



**AUBURN UNIVERSITY
AT MONTGOMERY**

Undergraduate Catalog 2022-23





**AUBURN UNIVERSITY
AT MONTGOMERY**

Auburn University at Montgomery presents this catalog to its undergraduate students, prospective undergraduate students, employees and others to inform them about the admission process, degree programs and requirements, course descriptions, regulations, faculty members and other pertinent information. The statements made in this catalog are for informational purposes only and do not constitute a contract between the student and AUM.

While Auburn University at Montgomery reserves the right to make changes to its policies, regulations, curriculum and other items listed in this catalog without actual notice to students, the information accurately reflects policy and progress requirements for graduation effective August 1, 2022. These changes will govern current and formerly enrolled students. Enrollment of all students is subject to these conditions.

Auburn Montgomery will make every effort to keep students advised on any such changes. Information on changes will be available online at www.aum.edu. It is important that each student be aware of their individual responsibility to keep apprised of current graduation requirements for their degree program.

I certify that this catalog is true and correct in content and policy as required by 38CFR21.4258(d)(1).

A handwritten signature in black ink that reads "Mrinal Mugdh".

Dr. Mrinal Mugdh Varma
Provost and Senior Vice Chancellor

Contents

Letter from the Provost.....	1
Table of Contents	2
Accreditation	10
Academic Calendars, Class Meeting Times and Final Examination Schedule	10
Baccalaureate Degrees	10
Minors.....	12
Certificate Programs	13
Mission of the University.....	13
University Identity and Core Values	13
AUM Library	14
Center for Disability Services	15
Counseling and Health Promotion Services (CHPS).....	15
Warhawk Academic Success Center	16
Bridge Program	16
Student Success Advisors	16
Curtiss Check In	16
Learning Center and Instructional Support Lab (LC.ISL)	16
Housing and Residence Life	17
Accountability and Advocacy	17
Career Development Center.....	17
Scholarship and Stipend Award Policy	18
New AUM Students	18
Continuing AUM Students	18
Tuition, Fees and Other Charges	19
Payment of Tuition, Fees, and Other Charges	19
Acceptance of Financial Responsibility.....	19
Checks	20
Student Account Holds	20
Request for Financial Clearance.....	20
Registration Cancellation.....	20
Re-registration	21
Resignation and Refunds.....	21
Course Waiver/Refund Policy	21
Veterans	21
Veterans Access, Choice and Accountability Act of 2014.....	22
Complaint Policy	23
Yellow Ribbon Program Agreement	23
Office of Financial Aid	23
Federal Financial Aid Programs.....	24
Grants.....	24
Loans.....	24
Federal Work-Study Program.....	24
Satisfactory Academic Progress for Federal Financial Aid Recipients	24
Return of Title IV Funds Policy.....	25
Educational Benefits for Veterans	26

Admission Policies and Procedures	27
Application.....	27
First-Time Freshmen - Full Admission	28
First-Time Freshmen - Bridge Admission	28
Transfer Students	28
Dual Enrollment	29
Homeschool Students	29
Transient Students	29
AUM Students	29
Students from Other Colleges or Universities	29
Second Bachelor’s Degree Applicants	30
Unclassified Students	30
Audit Students	30
Senior Guest Program.....	30
Orientation Requirement.....	30
Exceptional Student Admission	30
Proof of Immunization.....	30
Graduate Course Work (Senior Privilege)	31
Admission of International Students.....	31
Admission Process	31
International Students Requiring the Issuance of an I-20/F-1 Visa or DS-2019/J-1 Visa	33
Enrollment Policies	33
International Student Employment Policies	33
Responsibility.....	33
International Transfer Credit Articulation	33
Alabama and Non-Alabama Student Policy	34
Initial Determination of Eligibility	36
Change in Eligibility for Resident Tuition	36
General University Policies.....	36
Equal Opportunity	36
Accommodation for Individuals with Disabilities	36
Drug-Free Campus and Workplace Policy	37
Prohibited Discrimination & Harassment Policy.....	37
Civil Rights Compliance.....	38
Non-discrimination Statement	38
Title IX (Sex/Gender Discrimination)	38
Smoke/Vaping Free and Tobacco-Free Campus Policy.....	40
Dangerous Weapons and Firearms Policy.....	40
Notification of Rights under FERPA	40
General Information.....	42
Medical Treatment for AUM Students	42
Speech and Hearing Clinic.....	43
Division of Student Affairs	43
Office of Diversity and Inclusion.....	43
Office of Student Involvement and Leadership Programs.....	43
Office of Orientation and Transitions	43

Student Government Association.....	43
Intramural Programs	44
Auburn Montgomery Alumni Association	44
Student Email Policy	45
University Academic Regulations and Procedures	45
Catalog of Concern.....	45
Administrative Holds	45
Credit Hour Policy.....	45
Course Numbering System	45
Student Conduct.....	46
Academic Honesty Code	47
UNIV	47
Experiential Education and Engagement Center (EEEEC).....	48
AUM Core Curriculum	48
Purpose	48
Goals	48
AUM Core Curriculum Requirements	49
AUM Core Courses	50
Area I. Written Composition.....	50
Area II. Humanities and Fine Arts	50
Area III. Natural Sciences and Mathematics.....	51
Area IV. History, Social Sciences and Behavioral Sciences	51
English Composition Grade Requirement	52
English Composition Placement	52
Mathematics Placement Testing.....	52
What is ALEKS?	53
How is ALEKS PPL offered?	53
So how do I register?	53
How to take a proctored ALEKS Placement Test.....	53
General Requirements.....	54
Advising	54
Attendance.....	54
Auditing Privilege	54
Enrollment and Degree Verification.....	55
Certification of Student Status.....	55
Classification	55
Curriculum Transfer	55
ID Card.....	55
Prerequisites	55
Restrictions.....	56
Registration.....	56
Schedule Adjustment	56
Late Withdrawal/Medical Withdrawal	56
Student Load.....	56
Examinations and Grades	56
Examinations	56

Multiple Exams Policy	57
Grading System	57
Appeal of Grades	58
Grade Adjustment Policies	59
Grade Forgiveness	59
Repeat-to-Replace Policy.....	59
Grade-Point Average	60
Good Standing.....	60
Continued Status.....	60
Dean’s List	60
Academic Eligibility	60
Academic Probation	60
Clearing Probation.....	60
Academic Suspension.....	60
Indefinite Suspension.....	61
Residence Requirement	61
Graduation and Degree Requirements	61
Applying for Graduation.....	61
Degree Requirements	62
Second Degree.....	62
Double Major	62
Graduation Honors	62
Transferring Within the University System	63
Transfer Credit	63
Advanced Placement.....	63
Credit by Examination	63
CLEP.....	63
International Baccalaureate	64
Proficiency Examinations	64
Military Services	64
Credit for Military Schools.....	64
Credit for USAFI/DANTES Level Tests and Subject Standardized Tests	64
Credit Recommended by the American Council on Education (ACE)	64
Army ROTC Cross Enrollment Program.....	64
Air Force Reserve Officers Training Corps	65
Division of Aerospace Studies — Alabama State University.....	65
The Four-Year Program	65
The AFROTC Scholarship Program	65
AFROTC Curriculum.....	66
General Military Courses	66
Professional Officer Courses	66
Aerospace Studies Courses	66
Leadership Laboratory.....	67
Field Training.....	67
University Honors Program	68
Mission.....	68

Eligibility.....	68
Service and GPA Requirement	68
UHP Core Requirements	68
University Honors	68
Warhawk Honors	69
College of Business	70
Programs.....	70
Mission.....	71
AACSB–International Accreditation	71
Undergraduate Programs.....	71
Rules and General Requirements	72
College of Business Undergraduate Advising Office	73
School of Accountancy - Accounting Specialization.....	73
Grade Requirements for Upper Division Accounting Specialization Courses	73
Entrepreneurship Specialization	74
Finance Specialization	74
Management Specialization	75
Human Resource Management Major	75
Marketing Specialization	76
Hospitality and Tourism Option	76
General Business Specialization	76
International Business Specialization	77
Information Systems Specialization.....	77
General Information Systems Option.....	78
Enterprise Network Management Option.....	78
Enterprise Data Management & Applications Option.....	78
Accelerated Master’s Degree Option.....	78
College of Education	80
Programs.....	80
Accreditation	81
Bachelor of Science in Education.....	81
Field Experiences Program.....	81
Admission to the Professional Education Program.....	82
Admission to the Professional Internship Program.....	83
Teacher Certification	85
Transient Work.....	85
Reciprocity	85
Courses, Credits, and/or Programs Acceptable to Meet State Approved Program Requirements	85
Student Affairs Committee.....	85
Student Load.....	85
Programs in Education.....	86
Certification Programs: Elementary Education	86
Concentrations in Childhood Education, Early Childhood Education, and Elementary Education	86
Physical Education (P-12)	87
Secondary Education	88
General Science (6-12).....	88

English Language Arts (6-12)	88
Mathematics (6-12)	89
History/Social Science (6-12).....	89
Special Education.....	90
Early Childhood Special Education (Birth – Age 8)	90
Collaborative Teacher (K-6)	91
Collaborative Teacher (6-12).....	91
Non-Certification Programs:.....	92
Kinesiology Exercise Science	92
Sport Management	93
Minor in Sports Nutrition.....	93
Minor in Human Nutrition	93
Minor in Sport Management.....	94
Minor in Strength and Conditioning	94
College of Liberal Arts and Social Sciences.....	95
Programs.....	96
General Considerations	97
Communication and Theatre.....	97
Option 1: B.A. in Communication Emphasis in Communication.....	98
Option 2: B.A. in Communication Emphasis in Theatre	99
Minor in Communication	99
Minor in Theatre	100
Criminal Justice Major.....	100
Criminal Justice Concentration	100
Minors in Criminal Justice	101
Legal Studies Concentration	101
Minor in Legal Studies	103
Economics Major	103
Traditional Economics Option.....	104
International Economics and Commerce Option.....	104
Political Economy Option	104
Minor in Economics.....	104
English and Philosophy	105
Minor in English Language and Literature	105
Minor in Creative Writing.....	106
Minor in Writing and Editing.....	106
Minor in Philosophy.....	106
Certificate in Professional and Technical Writing	106
Fine Arts.....	106
Bachelor of Arts in Fine Arts and Bachelor of Fine Arts (B.F.A.) in Art.....	107
B.A. in Fine Arts	107
Visual Art Concentration.....	107
Art History Concentration.....	107
B.F.A. in Art	108
Graphic Design Concentration	108
Painting and Drawing Concentration	108

Photography Concentration	108
Sculpture Concentration.....	109
Ceramics Concentration	109
Minors.....	109
History & World Cultures	111
History Major	111
History Minor	112
Bachelor of Interdisciplinary Studies Degree	112
Health Studies Concentration, B.I.S	113
Leadership and Professional Studies Concentration, B.I.S	113
Liberal Arts and Social Sciences, B.I.S.....	113
Teaching and Learning Concentration, B.I.S	113
Political Science Major	113
Pre-Law.....	114
Political Science Minor	114
International Relations Minor.....	114
Public Administration.....	114
Army Reserve Officers Training Corps/Military Science (MILS).....	114
Department of Military Science	114
General Leadership Course (Basic Program).....	115
Simultaneous Membership Program (SMP).....	115
Basic Camp.....	115
Advanced Course.....	115
Advance Camp	116
Scholarships.....	116
Army ROTC as an Academic Minor	116
Social Work Major	116
Minor in Social Work	116
Sociology Major	117
Minor in Sociology.....	119
Minor in Anthropology.....	119
Minor in Child Advocacy Studies.....	119
Pre-Social Work Program.....	119
Interdisciplinary Minors and Certificates	120
Minor in Gender, Race and Ethnic Studies.....	120
Minor in Medieval Studies	121
Minor in Organizational Leadership	121
Minor in Religious Studies	121
Certificate in American Society and Culture.....	122
Certificate in Museum Studies	122
Certificate in Professional and Technical Writing	122
Certificate in Substance Abuse Prevention.....	123
Pre-Law	123
College of Nursing and Health Sciences	124
School of Nursing.....	124
Accreditation.....	124

General Requirements for the Bachelor’s Degree	125
Traditional BSN Program	125
RN to BSN Track	125
Admission to the School of Nursing	126
Application Information for the traditional BSN Program	126
RN to BSN Program	127
Progression Through the Program	128
Traditional BSN Curriculum	128
Upper Division Curriculum – RN to BSN Program	129
Medical Laboratory Science	129
Communication Disorders	132
Admission to the Communication Disorders Program	132
Audiology	132
Speech-Language Pathology	132
Requirements for Students - Communication Disorders Program	133
Speech and Hearing Clinic	135
Warhawk Health Services	135
College of Sciences	136
Programs	136
General Considerations	137
Special Requirements for Majors	137
Pre-Health Sciences	137
Biology Major	139
Minors in Biology	139
Chemistry Major	140
Chemistry/Professional	141
Chemistry/Health Sciences	141
Computer Science Major	142
Minor in Computer Science	143
Environmental Science Major	143
Alabama Marine Environmental Sciences Consortium	144
Marine Environmental Sciences	144
Minor in Geographic Information Systems	145
Certificate in Geographic Information Systems	145
Mathematics Major	145
Minor in Mathematics	146
Minor in Statistics	147
Minor in Data Science	147
Psychology Major	148
Minor in Psychology	149
Description of Courses	157
Board of Trustees	262
Faculty	263
Emeriti Faculty	278
Index	285

Accreditation

Auburn University at Montgomery is accredited by the Commission on Colleges of the Southern Association of Colleges and Schools to award baccalaureate, masters, educational specialist and doctoral degrees. Inquiries related to the university's accreditation by the commission may be directed to the Commission on Colleges, 1866 Southern Lane, Decatur, Ga., 30033-4097, 404-679-4500 or www.sacscoc.org. Questions related to admissions, programs and practices of AUM should be directed to the university's offices, publications or websites.

Academic Calendars, Class Meeting Times and Final Examination Schedule

Current AUM academic calendars, class meeting times and final examination schedules are available online at www.aum.edu.

Baccalaureate Degrees College of Business

Degree

B.S.B.A.

Curriculum

Accounting

Entrepreneurship

Finance

General Business

General Business

International Business

Human Resource Management

Information Systems

General Information Systems

Enterprise Network Management

Enterprise Data Management and Applications

Management

Marketing

General Marketing

Hospitality and Tourism

College of Education

Degree

B.S./Elementary Education

B.S./Kinesiology

B.S./Secondary Education

B.S./Special Education

Curriculum

Elementary Education

Childhood Education (P-6)

Elementary Education (K-6)

Early Childhood Education (P-3)

Kinesiology

Exercise Science

Physical Education (P-12)

Sport Management

Secondary Education (6-12)

English Language Arts Education

General Science Education

History/Social Sciences Education

Mathematics Education

Special Education

Early Childhood Special Education (B-8)

Collaborative Teacher (K-6)

Collaborative Teacher (6-12)

College of Liberal Arts and Social Sciences

Degree

B.A./Communication

B.A./English

B.A./Fine Arts

B.F.A./Art

B.S./Economics

B.A./History

B.I.S./Interdisciplinary Studies

B.S./Criminal Justice

B.S./Political Science

B.A./Sociology

B.S.W./Social Work

Curriculum

Communication

Communication

Communication Studies

Theatre

English

Fine Arts

Art History

Visual Arts

Art

Ceramics

Graphic Design

Painting and Drawing

Photography

Sculpture

Economics

International Economics and Commerce

Political Economics

Traditional Economics

History

Interdisciplinary Studies

Health Studies

Leadership and Professional Studies

Liberal Arts and Social Sciences

Teaching and Learning

Criminal Justice

Legal Studies

Political Science

Sociology

Anthropology

Marriage and Family

Pre-Social Work

Sociology

Social Work

College of Nursing and Health Sciences

Degree

B.S.N.

(Must be admitted to upper division by the School of Nursing)

B.S./Communication Disorders

B.S./Medical Laboratory Science

Curriculum

Nursing

Communication Disorders

Medical Laboratory Science

College of Sciences

Degree

B.S./Biology

Curriculum

Biology

Biology Health Sciences

General Biology

Molecular Biology

Public Health and Microbiology

B.S./Chemistry

B.S. /Computer Science

B.S./Environmental Science

B.S./Mathematics

B.S./Psychology

Chemistry

Chemistry
Chemistry/Professional
Chemistry/Health Sciences

Computer Science

General Computing
Computer Arts, Animation, and Game Design
Artificial Intelligence and Robotics Engineering

Environmental Science

Environmental Biology
Environmental Chemistry
Environmental Health and Toxicology
Environmental Geographic Information Systems

Mathematics

Mathematics Education
Pre-Engineering
Mathematics

Psychology

Minors

Accounting (for business majors)
Accounting (for non-business majors)
Anthropology
Art History
Biology
Business Administration (for non-business majors)
Ceramics
Child Advocacy Studies
Communication
Computer Science
Creative Writing
Criminal Justice/Corrections
Criminal Justice/Juvenile Justice
Criminal Justice/Law Enforcement
Criminal Justice/Security Administration
Data Science
Economics
English Language and Literature
Fermentation
Finance (for business majors)
Finance (for non-business majors)
French
Gender, Race and Ethnic Studies
(Interdisciplinary)
Geographic Information Systems
Graphic Design
History
Human Resource Management (for business majors)
Human Resource Management (for non-business majors)
Information Systems (for business majors)
Information Systems (for non-business majors)
International Business (for business majors)
International Relations
International Studies

Legal Studies
Mathematics
Management (for business majors)
Management (for non-business majors)
Marketing (for business majors)
Marketing (for non-business majors)
Medieval Studies
Military Science and Leadership
Music
Nutrition
Organizational Leadership
Painting and Drawing
Philosophy
Photography
Political Science
Project Management
Psychology
Religious Studies
Sculpture
Social Work
Sociology
Sport Management
Sport Nutrition
Statistics
Theatre
Writing and Editing

Certificate Programs

American Society and Culture
American Bar Association (ABA) Paralegal Certificate
Geographic Information Systems
Museum Studies
Professional and Technical Writing
Substance Abuse Prevention Studies

Mission of the University

The mission of Auburn University at Montgomery is to provide quality and diverse educational opportunities at the undergraduate and graduate levels through use of traditional and electronic delivery systems, and to foster and support an environment conducive to teaching, research, scholarship, and collaboration with government agencies, our community, and other educational institutions.

University Identity and Core Values

Auburn University at Montgomery is a fully accredited comprehensive, public university with a diverse student population that includes a blend of traditional and non-traditional learners awarded degrees in a variety of disciplines from its programs. Our personalized and caring learning environment offers academically strong undergraduate and graduate programs designed and taught by faculty who are active researchers in their fields and who play a vital role in each student's success. We stand apart from our peers as an institution with an applied emphasis, having a history of producing leaders prepared to make a positive impact in their chosen fields.

As a critical partner in our community, we provide expertise that enhances economic development and the quality of life for individuals in the region and beyond. These partnerships strengthen not only our community, but our students and faculty as well.

Core Values

Auburn University at Montgomery values and promotes:

- A Student-Centered Experience
- Citizenship & Community Engagement
- Excellence as Our Standard
- Commitment to Constant Improvement
- Diversity of People & Perspective with a Culture of Inclusiveness
- Lifelong Learning
- Environment of Collaboration

AUM Library

The AUM Library is located in the 10-story Ida Belle Young Library Tower. The library collection contains over 500,000 volumes, over 75,000 e-books, and more than 70,000 full-text journals available in print and/or electronic format. The library provides online access to more than 155 databases covering all academic disciplines. The library also has extensive collections of documents and periodicals in electronic format and on microfilm, and a growing collection of manuscripts and archival materials. In addition, it maintains a collection of browsing materials consisting of bestseller and popular fiction items. The library is one of two regional federal documents depository libraries in Alabama, with more than 2 million publications dating from the mid-19th century to the present.

The library provides access to its holdings through its online catalog, as well as providing access to the catalogs of libraries within the state and throughout the world. For remote access to library collections, visit the library homepage at aumnocat.aum.edu.

The library supplements its holdings by providing interlibrary loan services for students, faculty, and staff. The campus community also has direct, online borrowing privileges for books from the libraries at Auburn University, Jacksonville State University, the University of Alabama, and the University of Alabama at Birmingham. The AUM Library is a member of OCLC Inc., an international online bibliographic database with more than 100 million records; Lyris, the nation's largest regional membership organization serving libraries; and NAAL, the Network of Alabama Academic Libraries.

The AUM Library is also a member of the Montgomery Higher Education Consortium, which allows AUM students, faculty, and staff to check materials out from the libraries at Alabama State University, Faulkner University, Huntingdon College, and Troy University's Montgomery campus.

The library's reference service offers instruction for students in the use of library resources and assistance in beginning a research project. The library's reference assistance is offered in person, by phone, or online, using the library's "Ask a Librarian" service, which provides online chat, email, and texting options available at <http://askus.library.aum.edu>. The library faculty and staff also provide assistance finding information, using online databases, and in the use of library equipment. The library provides news and updates through its various social media platforms (Facebook, Twitter, Instagram).

Seating is available for more than 600 students, including study tables and chairs and comfortable soft seating. For quiet study there are individual study carrels located on floors three, four, and five of the tower. The library provides equipment to assist those with visual impairments, listening carrels, and a combined computer lab/classroom that can seat 31 patrons. The library is also configured for wireless access and provides comfortable seating on all floors.

The library is open 80 hours a week during the semester and is staffed by capable and friendly professional librarians and paraprofessional staff eager to assist you in locating information both in person and online.

Center for Disabilities Services

The Center for Disability Services (CDS) provides reasonable accommodations to students with disabilities. Their services include test proctoring, interpreting, captioning [CART], note taking, assistive technology, electronic text (e-text), Braille and other alternative formats and accommodations designed to meet the specific needs of each individual.

Students with documented disabilities should register with CDS prior to the beginning of each semester of enrollment at AUM. More information regarding specific documentation requirements can be found at the CDS website at www.aum.edu/cds

Disability Services also provides training and technical assistance regarding disabilities, accommodations, accessibility, or other services for individuals with disabilities. In addition, the Center for Disability Services acts as the campus' monitoring agency for compliance with the Americans with Disabilities Act of 1990 and the ADA Amendments Act and Section 504 of the Rehabilitation Act of 1973.

For additional information about the Center for Disabilities Services, contact us at cds@aum.edu.

Counseling and Health Promotion Services (CHPS)

Counseling and Health Promotion Services (CHPS) provides free confidential counseling services to all current AUM students. We offer crisis interventions, individual counseling, group counseling, assessments and referrals to students, and consultation and outreach to members of the AUM community. Our staff of licensed counselors, administrative support, and interns are committed to providing a safe, nonjudgmental, and confidential space.

College life is exciting and rewarding; however, the challenges, demands, and responsibilities can feel overwhelming. It's not uncommon to feel you need help. Many students visit us for help with homesickness, stress, relationship concerns, depression, anxiety, sexual identity and gender matters, substance use, eating and body image, and overall adjustment to college life. CHPS counselors are here to help students achieve academic success and personal growth in order to ensure that students remain healthy and thriving during their college years and beyond.

Counseling is available by appointment. Hours of operation are Monday through Friday 8 a.m. to 5 p.m. The counseling process can be initiated by the student or through referral by a teacher, family member, friend, or professional in the community. However, the choice to begin or continue counseling is left to the student. Referrals will be made to community mental health providers when the needs of the student cannot be met by CHPS.

CHPS also functions as a training facility. Each academic year, graduate and pre-doctoral interns train at CHPS. They receive supervision from our staff of licensed professional counselors.

We have a strong commitment to meeting the needs of diverse people; therefore, we strive to create an environment where all individuals feel welcome. If you need to talk, receive support, or problem-solve, please call on us. We are passionate about assisting our students with concerns related to personal, emotional, social, and mental health matters.

For more information concerning Counseling and Health Services, please contact us at counselingcenter@aum.edu

Warhawk Academic Success Center

The purpose of the Warhawk Academic Success Center (WASC) is to provide a central location where students can find academic support services designed to promote their academic success. Located on the second floor of the IBY Library, the WASC is home to the Bridge Program, Student Success Advisors, the Curtiss Check In program, and the Learning Center and Instructional Support Lab. All programs operating in the WASC are designed to provide support for students in their academic endeavors.

Bridge Program

The Bridge program is a conditional admission program that provides qualified students with extra academic support for one semester prior to gaining full admission to AUM. During the Bridge semester, students are enrolled in courses designed specifically to “bridge the gap” for a continued and successful college career. Bridge courses consist of a University Success course, as well as a Math and/or English course. Throughout the semester, faculty and staff on the Bridge team assist students by implementing skill-building exercises for success in college. Bridge students receive full-time access to an academic advisor, along with weekly one-on-one tutoring at no extra charge. The Bridge program is designed to help familiarize students with our campus resources, while showing students how to thrive at AUM.

Student Success Advisors

Student Success Advisors are professional staff members who reach out to students and foster connections between the students, faculty, and institutional academic support services. Student Success Advisors assist students with their concerns including but not limited to personal support, adjusting to college, study skills, time management, and advocacy. Student Success Advisors proactively reach out to students and connect them with support services as well as collaborate with them in establishing a plan of action to gain the knowledge and skills needed to succeed at AUM.

Curtiss Check In

Curtiss Check In is an early alert program through which faculty and staff members refer students to the Warhawk Academic Success Center. A Student Success Advisor will contact the student via e-mail or phone call and encourage the student to meet for an appointment during which advice, support, advocacy, other student-focused interventions are enacted in order to promote academic success.

Learning Center and Instructional Support Lab (LC.ISL)

The Learning Center and Instructional Support Lab is a unit of the WASC that provides free individual tutoring for currently enrolled AUM students. The Learning Center (LC) is located in the WASC (2nd Floor Library Tower) in rooms 225 and 226. This location offers tutoring in most AUM courses, including mathematics, accounting, economics, statistics, sociology, psychology, music, art, history, communications, English and English as a Second Language. The Learning Center also provides writing consultations for courses in all disciplines, as well as online asynchronous writing consultations for students enrolled in online courses. In addition to one-on-one tutoring, the LC provides small group tutoring sessions for students in the same course, workshops on topics like study skills and specific course test prep sessions as well as accounting small group sessions, called Extending the Classroom (ETC). Students who live on campus may be tutored in campus residence halls. Walk-ins are welcomed on a space-available basis. For information or to make an appointment for a session at the LC call 334-244-3470 or stop by the center.

The Instructional Support Lab (ISL), located in Rm 202-203 Goodwyn Hall, offers free, one-on-one or small group tutoring in biology, anatomy, chemistry, computer science, physics, statistics and all mathematics courses. Sessions are on a first-come, first-served basis. This location also has an extensive collection of cellular, chemical, and anatomical models available during open hours for student use. No appointments are necessary. For more information about ISL services call 334-244-3265. Check out Facebook, Instagram and Twitter for current activities, news and announcements for the LC.ISL.

Housing and Residence Life

Housing and Residence Life at AUM gives students the full college experience. Residents are within easy walking distance of classes, the library, the Taylor Center, extracurricular activities and friends. In order to meet residents' needs, on-campus housing includes: free parking, free laundry, ADA accessibility, and digital cable services.

AUM Housing offers four vibrant residential communities in order for students to choose their perfect fit. The Commons, AUM's eight-story apartment tower, features secure, suite-style apartments with private bedrooms and fully furnished kitchen and living areas. The Courtyards offers roomy, open-concept, fully furnished apartments at an affordable price in private, double and quad occupancy. Warhawk Hall features fully furnished one, two and three bedroom apartments. P-40 Place features loft-style apartments with a community feel. These also include fully furnished living and common areas. Some of the AUMazing events planned annually for the residential community include the Professors 'n' Pajamas: Late Night Study Breakfast, Resident Appreciation Cookout and Kill-a-Watt Sustainability Challenge. AUM Housing is available to any enrolled student. Applications for housing are available online by logging in to MyAUM.

For more information about Housing and Residence Life, contact us at housing@aum.edu.

Accountability and Advocacy

The Office of Accountability and Advocacy works to ensure that students are knowledgeable regarding the guidelines that govern student conduct. Staff serve as advocates in empowering students in their academic and social development through programming, personal interaction and resource guidance.

How We Support Students:

- Provide clarity on university policies and procedures
- Create an opportunity for communication among those involved in resolving a problem or conflict
- Help students to develop problem-solving skills and promote critical thinking
- Provide referral to sources that can assist in creating a helping network
- Provide training and programming on topics related to communications, conflict, university policy, judicial resolution and areas of advocacy which impact academic and social development
- Assist students through the judicial process

For more information about Accountability and Advocacy, contact us at accountability@aum.edu

Career Development Center

The Auburn University at Montgomery Career Development Center exists to educate, empower, and create opportunities for all Warhawks to achieve individual professional success. The Center can help you with all the important steps in developing your career: assessing personal interests, values and priorities; exploring majors and career options; developing a career action plan; building professional skills and competencies; and then organizing and conducting a job or graduate school search.

Engagement in the career development process begins as soon as you enter Auburn University at Montgomery. Career advisors within the Center are available to help you unpack the factors in your life that are or will be important to you, including your interests, values, personality characteristics, and other priorities in your life that need to be considered to make an informed career decision. You and your career advisor will develop criteria to measure your fit with different major and career options.

Once you have chosen your major/career path, career advisors will help you create a career action plan. Along with your academic course of study, your career action plan will include experiential learning activities (internships, student involvement, service learning projects, study abroad assignments and more) that allow you to gain professional accomplishments in your chosen field during your time at Auburn Montgomery.

Throughout the academic year, the Center will facilitate various workshops, seminars and other educational activities designed to help you navigate through your action plan. Some examples include:

- Shadow Montgomery – an excursion to regional employer locations, where you can see professionals in action and identify valuable workplace activities and norms.
- Life-After-College Conference – an immersion into the experiences and challenges of the “real world”; topics include financial planning/budgeting, managing professional expectations, and thriving in a diverse society/workplace
- Experiential Education Expo – an interactive showcase of experiential learning opportunities and how they can help you prepare for your career

When the time comes to start searching for your next opportunity after college, the Center helps you develop a targeted job or post-graduate program search strategy. Career advisors will assist you with creating personal marketing materials that articulate your value to employer or graduate program organizations, including resumes, cover letters, LinkedIn profiles, and more. The Center hosts various workshops and programs throughout the year that prepare you for interacting with recruiters, including our Career Boot Camp and Mock Interview Workshops.

The Center helps create opportunities for students to interact with employer organizations through multiple platforms and services. Auburn University at Montgomery is a member of Handshake – a global network of universities and employer organizations with career and internship opportunities for students. Center team members can assist you with creating a Handshake account where you will have access to all opportunities and employer organizations within the network. You can engage with employer representatives face-to-face through our Employer Spotlight series.

Employer Spotlight events include career fairs, employer information sessions, classroom/club presentations, and more. Just look for the Employer Spotlight logo to see when employers will be on campus. For more information about Career Development, visit our website at <https://www.aum.edu/career-resources/>

Scholarship and Stipend Award Policy

AUM offers a variety of scholarship opportunities for entering freshman from high schools, community college transfers, active duty military dependents stationed in Alabama, and for currently enrolled students. Most scholarships require full-time attendance and are based on the applicant’s academic or extracurricular record, while some are based on financial need. To ensure consideration for all scholarship opportunities, a student should complete a Free Application for Federal Student Aid (FAFSA) annually.

New AUM Students

Application Procedures for New AUM Student Scholarships:

- Apply for admission to AUM.
- Request that official ACT or SAT scores be mailed to the AUM Office of Admissions and Recruiting, P.O. Box 244023, Montgomery, AL, 36124.
- Request that an official high school transcript (or community college transcript) be mailed to the AUM Office of Admissions Processing. The transcript must show grades through the junior year (or most recent term for community college transfers).
- March 1 is the freshman scholarship deadline for competitive scholarships (separate scholarship application required).
- June 1 is the non-competitive freshman scholarship deadline.

Continuing AUM Students

Auburn Montgomery offers a variety of merit scholarships to currently enrolled students. These scholarships are limited in number, and are generally awarded for one academic year. Students who maintain eligibility

must reapply for consideration each year. Students can also speak to their academic department regarding department scholarship availability. For updated information and application deadlines on scholarships for continuing students, please visit www.aum.edu/scholarships.

Tuition, Fees and Other Charges

Current AUM tuition and charges are available online at www.aum.edu. As operating costs rise, small increases in tuition and fees are authorized by the Board of Trustees to meet these increased costs. Every effort is made to hold these changes to the minimum.

Payment of Tuition, Fees, and Other Charges

Students are expected to meet all financial obligations to the university when due. AUM has a centralized billing system for student accounts. Students should receive a statement two to three weeks prior to the first day of classes. If a student registers after this time, a billing statement will not be received. However, students are responsible for paying all charges by the due date. Billing statements for currently enrolled students are issued via e-bill only. An e-mail notification will be sent to the student's university issued e-mail address and to all authorized users when a new billing statement is issued.

It is the student's responsibility to monitor his or her outstanding charges through Web Pay throughout the term and to check his or her AUM email box regularly for correspondence related to billing statements, due dates and other financial matters.

Payment of all billed charges must be made by each statement's due date to avoid late charges. Payments may be made via Web Pay, by mail, or by direct delivery to the Office of Student Accounts. Payments made by mail should allow for delivery on or before the due date. Students may pay by cash, check or credit card (VISA, MasterCard, Discover or American Express). International payments can also be made by wire transfer.

Acceptance of Financial Responsibility

AUM reserves the right to deny continuing admission and to hold grades and transcripts of students who fail to meet their financial obligations. Students are required to acknowledge an Acceptance of Financial Responsibility statement each semester. This Acceptance of Financial Responsibility reads as follows:

I understand that registration in classes at Auburn Montgomery will create tuition and other associated fees being assessed to my student account. By registering for classes at Auburn Montgomery or otherwise receiving good and valuable services from Auburn Montgomery, I understand and agree to the following:

- If I fail to pay any unpaid balance on my student account, I will be personally responsible for the debt, and agree to pay, all costs and fees of collection, including interest, late payment fees, transcript hold fees, collection fees of third party collection agencies or attorneys (which may be based on a percentage of up to 40% of the principal, interest, late payment fees, and transcript hold fees accrued prior to referral to such agency or attorney), court costs, and/or any other charges necessary for the collection of this debt.
- I authorize the University and/or their respective agents and contractors to contact me regarding my student account at the current or any future number that I provide including my cellular phone or other wireless device using automated telephone dialing equipment or artificial or pre-recorded voice or text messages.
- This agreement is subject to the laws of the State of Alabama, without regard to its conflict or choice of law provisions. I irrevocably consent to the jurisdiction of the state and federal courts located in Montgomery County, Alabama, in any lawsuit arising out of or concerning this agreement, or the enforcement of any obligations under this agreement, including any lawsuit to collect amounts that I may owe as a result of this agreement.

The process of acknowledging the Acceptance of Financial Responsibility is completed online through the registration process in Webster. In the event it is not possible to complete it online, a signed form will be required.

Checks

Checks given in payment of fees and charges are accepted subject to final payment. If the bank on which the check is drawn does not honor the demand for payment and returns the check unpaid, the student will be assessed a handling charge of \$30. The university has the right but not the obligation to redeposit any returned check without notice.

Stop-payment and account-closed checks will be processed as returned items and subject to the same fees and collection costs. A stop-payment placed on a check does not constitute withdrawal from courses. Official withdrawal must be made through the Office of the Registrar.

Student Account Holds

A hold may be placed on student accounts for the following reasons

- Past due balances
- Financial aid reversals
- Missing social security or tax identification numbers, and/or
- Returned checks.

The hold may be placed on the student account at the point-in-time one of the above conditions is identified. In some cases, the hold (a registration hold) will prevent a student from performing registration activities for current and future academic terms and will prevent the release of a transcript. A transcript hold always prevents the release of transcripts until the account balance is reduced to zero.

All student accounts will be reviewed before the next academic registration period opens to identify and post the necessary registration and transcript holds. Student accounts with balances of \$3,000 or less will receive a transcript hold. Student accounts with balances over \$3,000 will receive a registration hold and transcript hold, which will block registration and the release of transcripts.

Request for Financial Clearance

Students with an account balance of \$3,000 or below will automatically be granted financial clearance and will have a hold type that allows registration.

Students with balances above \$3,000 will be unable to register until the balance is reduced to \$3,000. Once the account balance has been reduced to \$3,000 or below, financial clearance will automatically be granted and the hold type will be updated to allow registration.

Students who receive financial clearance to register must ensure their account balance or projected account balance, less all pending financial aid and/or scholarships and including all past and new charges, is \$3,000 or below by the registration cancellation deadline of the academic term for which they are registering.

All requests for a hold removal should be directed to: studentaccounts@aum.edu or 334-244-3286.

Registration Cancellation

Registration cancellation is a process by which the University cancels class schedules for students that fail to meet their financial obligations by the posted deadlines. The term due date is seven days prior to the class start date. All charges become due and payable at that time. Students will have a payment grace period until the registration cancellation deadline which is the fifth calendar day of each academic term.

Students registered for the academic term will have their class schedules cancelled if their account balance or projected account balance, less all pending financial aid and/or scholarships, exceeds \$3,000. To avoid registration cancellation the student account can be:

- Paid in full
- Covered in full by financial aid or scholarships, or
- Enrolled in a payment plan.

At a minimum the account balance or projected account balance must be below \$3,000.

Note: Awarded financial aid may be used to avoid a student's schedule being cancelled. However, the student remains responsible for the outstanding balance in the event all necessary financial aid steps are not completed or there is a change in amount of financial aid awarded.

Re-registration

Students whose schedules are cancelled may re-register for classes once the payment requirement is satisfied. Written permission from the instructor and department may be required.

Resignation and Refunds

Students dropping/resigning before regular classes start are eligible for a refund/ waiver of all tuition and fees. Students dropping/resigning during the refund period after classes begin will be eligible for a partial refund/waiver. The eligible percentage of refund/waiver depends on the day of drop/resignation. The only exception to this policy occurs in the case of personal illness or call to active military duty. Supporting written documentation (i.e., medical reports or military orders) in both instances is required. Refunds for medical withdrawals/resignations may be granted if the effective date of withdrawal is prior to the last day to withdraw from the term and will be prorated based on the number of class days a student is registered. A full waiver/refund of tuition and fees may be granted if a student is called to active military duty.

Course Waiver/Refund Policy

Full-Term Classes

- 100% refund through the 5th class day
- 50% refund through the 13th class day

Half-Term Classes

- 100% refund through the 2nd class day
- 50% refund through the 5th class day

Each course or section of a course is considered to be a separate registration with its own course registration number. Thus, switching from one course to another is a separate registration as is switching sections of the same course.

Veterans

Veterans enrolled under the federal GI Bill® receive allowances directly from the government and are responsible for paying their fees and charges on the same basis as other students (this does not apply to the Veteran's Rehabilitation Employment Services (Chapter 31) Program and Post 9/11 (Chapter 33) Programs).

In accordance with "Section 103 of Public Law 115-407, penalties, including the assessment of late fees, the denial of access to classes, Libraries, or other institutional facilities, or the requirement that a covered individual borrow additional funds, on any covered individual because of the individual's inability to meet his or her financial obligations to the institution due to the delayed disbursement funding from VA will not be imposed. Covered individuals are students receiving VA benefits under Chapters 31 or 33.

Students receiving the following benefits will be charged the in-state tuition rate:

- In accordance with Section 702 of the Veterans Access, Choice, and Accountability Act of 2014 and Section 105 of Public Law 116-35, students receiving Post 9/11 (Chapter 33), to include transfer entitlements, are eligible for in-state tuition.
- In accordance with Section 301 of Public Law 115-251, students receiving Vocational Rehabilitation and Employment (Chapter 31) benefits are eligible for in-state tuition.
- In accordance with Public Law 117-68, students receiving Dependent Education Assistance (Chapter 35) are eligible for in-state tuition.

Veterans Access, Choice and Accountability Act of 2014

Section 702 of the Veterans Access, Choice and Accountability Act of 2014 (“Choice Act”), requires VA to disapprove programs of education for payment of benefits under the Post-9/11 GI Bill and Montgomery GI Bill-Active Duty at public institutions of higher learning if the schools charge qualifying Veterans and dependents tuition and fees in excess of the rate for resident students for terms beginning after July 1, 2015.

These new requirements will ensure that our Nation’s recently discharged Veterans, and their eligible family members, will not have to bear the cost of out-of-state charges while using their well-deserved education benefits.

Do public schools have to offer in-state rates to all veterans and dependents to meet the requirements of section 702?

No. To remain approved for VA’s GI Bill programs, schools must charge in-state tuition and fee amounts to “covered individuals.” A “covered individual” is defined in the Choice Act as:

- A Veteran who lives in the state in which the institution of higher learning is located (regardless of his/her formal state of residence) and enrolls in the school within three years of discharge from a period of active-duty service of 90 days or more.
- A spouse or child using transferred benefits who lives in the state in which the institution of higher learning is located (regardless of his/her formal state of residence) and enrolls in the school within 3 years of the transferor’s discharge from a period of active-duty service of 90 days or more.
- Anyone using transferred Post-9/11 GI Bill benefits who lives in the state where the institution of higher learning is located and the transferor is a member of the uniformed service who is serving on active duty.
- A spouse or child using benefits under the Marine Gunnery Sergeant John David Fry Scholarship who lives in the state in which the institution of higher learning is located (regardless of his/her formal state of residence) and enrolls in the school within three years of the Service member’s death in the line of duty following a period of active-duty service of 90 days or more.

Note: Individuals who initially meet the requirements above will maintain “covered individual” status as long as they remain continuously enrolled at the institution of higher learning, even if they are outside the 3-year window or enroll in multiple programs.

What happens if a state does not offer in-state tuition and fees to all “covered individuals”?

The law requires VA to disapprove programs of education for everyone training under the Post-9/11 GI Bill and the Montgomery GI Bill-Active Duty (MGIB-AD) if in-state tuition and fees are not offered to all “covered individuals.”

What steps must be taken to ensure that veterans and their family members can receive GI benefits at public schools in my state?

States must ensure all public institutions of higher learning offering VA-approved programs charge in-state tuition and fees to “covered individuals” as described, to include same-sex spouses and children (biological, adopted, pre-adoptive, and stepchildren of same-sex spouses) after July 1, 2015. To ensure compliance, States should consider offering in-state tuition and fees to all individuals eligible for benefits under the Post-9/11 and MGIB-AD programs.

When do state have to meet these requirements?

Public institutions must offer in-state tuition and fees to all “covered individuals” for Veterans and family members to be eligible to receive GI Bill benefits for training beginning after July 1, 2015. VA will not issue payments for any students eligible for the Post-9/11 GI Bill or the MGIB-AD until the school becomes fully compliant. VA is in the process of developing waiver criteria for States that are actively pursuing changes to comply with these provisions. More information regarding the waiver criteria will be included in a regulation published in the Federal Register.

If my school becomes compliant after July 1, 2015, when will VA begin issuing payments?

VA will not issue payments under the Post-9/11 GI Bill and MGIB-AD for all students in terms beginning after

July 1, 2015, if the requirements of Section 702 are not met, unless a waiver is granted. If the in-state tuition and fee policies are brought into compliance with the requirements after July 1, 2015, and no waiver was previously granted, VA will begin making payments for terms, quarters, or semesters that begin on or after the date that the compliant policies take effect.

Where can I go to get more information?

Questions regarding the provisions of Section 702 may be submitted to Section702.Vbavaco@va.gov. VA will provide updates on its website at www.benefits.va.gov/gibill.

Effective August 1, 2021, Section 105 of Public Law 116-35 removes the requirement for “covered individuals” to enroll in a course at a public institution of higher learning within three years of being discharged to receive in-state-tuition.

Effective August 1, 2022, in accordance with Public Law 117-68, students receiving Chapter 35 (Dependent Education Assistance) benefits are considered “covered individuals” to be charged in-state tuition.

Complaint Policy

Any complaint against the school should be routed through the VA GI Bill Feedback System by going to the following link: <http://www.benefits.va.gov/GIBILL/Feedback.asp>. The VA will then follow up through the appropriate channels to investigate the complaint and resolve it satisfactorily.

Yellow Ribbon Program Agreement

AUM agrees to participate in the Yellow Ribbon Program under the Post-9/11 GI Bill (authorized under title V of Public Law 110-252) subject to the following terms, conditions and representations and applicable VA regulations:

1. Provide contributions to all eligible individuals who apply for such program in the AUM Office of Veteran Services, regardless of the training rate (i.e., full time versus less than full time) during the academic year.
2. Provide contributions on behalf of a participating individual during the current academic year and all subsequent academic years in which AUM participates in the Yellow Ribbon Program, provided that the individual maintains satisfactory progress, conduct and attendance according to the university’s prescribed standards.
3. Agree to limit contributions made on behalf of a participant to funds with unrestricted control (e.g., a scholarship sent directly to AUM on behalf of an individual or specific group of individuals from a third party may not be included in Yellow Ribbon Program contributions). Funds received directly or indirectly from federal sources may not be counted towards contributions.
4. Agree to provide the maximum amount of contributions payable toward the unmet established charges to each participating individual during each term or semester the individual is enrolled. The maximum amount is 50 percent of the individual’s unmet established charges.
5. AUM agrees to provide contributions for each Yellow Ribbon Program participant through a university grant.

Office of Financial Aid

The Office of Financial Aid administers and coordinates various types of undergraduate financial aid at Auburn Montgomery: grants, loans, and work-study. The Office of Financial Aid also works with university departments and outside agencies to coordinate disbursement of scholarship funds.

Students may apply for federal financial assistance for the next academic year beginning on October 1. Financial Aid requests are based on the results of a processed Free Application for Federal Student Aid (FAFSA). The FAFSA may be completed at www.studentaid.gov and must be renewed annually. Students are encouraged to submit the FAFSA by the school’s March 1 priority date each year.

Attendance monitoring is required by the U. S. Department of Education to support any disbursements made to eligible students receiving federal financial aid. Failure to begin attendance in any course for which a student is registered may require a reduction and/or cancellation in financial aid awarded.

Students receiving federal financial aid (Title IV funds) who withdraw from the University are subject to the Return of Title IV regulations. If a student withdraws (or ceases to attend) prior to completing over 60 percent of the term, a prorated portion of the federal financial aid must be considered unearned and returned to the federal program(s), and could cause the student to owe the University a balance upon withdrawal. See the Return to Title IV Funds Policy later in this section for more details.

Federal Financial Aid Programs Grants

Grants are a type of financial aid that does not have to be repaid, and are typically based on demonstrated financial need. Auburn University at Montgomery offers several types of grants:

- The Federal Pell Grant is available to undergraduate students who have not received a baccalaureate degree and demonstrate financial need as determined by the results of the FAFSA.
- The Federal Supplemental Educational Opportunity Grant (FSEOG) is available to Pell Grant recipients who demonstrate extreme need as determined by the results of the FAFSA. Since FSEOG funds are limited, students meeting the March 1 priority date are given priority consideration.
- The Alabama Student Assistance Program (ASAP) is available to Pell Grant recipients who demonstrate extreme need as determined by the results of the FAFSA. Since ASAP funds are limited, students meeting the March 1 priority date are given first consideration.
- The Federal TEACH Grant is available to students who are completing or plan to complete coursework needed to begin a career in teaching. Details on the requirements and service obligation attached to the TEACH Grant are available on the Financial Aid section of the Auburn University at Montgomery website at www.aum.edu. The grant may be converted to a Federal Direct Unsubsidized Loan if the service obligation is not met by the recipient.

Loans

Student loan programs provide long-term, low-interest loans for students and/or parents. Students must be degree-seeking and enrolled at least half-time (six undergraduate hours) each term to qualify for federal loans. Not all students are eligible to borrow from all loan programs. Auburn University at Montgomery offers several types of federal loans:

- The Federal Direct Subsidized Stafford Loan is available to students who demonstrate financial need as determined by the results of the FAFSA. Interest on this loan does not accrue during eligible periods of enrollment.
- The Federal Direct Unsubsidized Stafford Loan is based on the cost of education as well as annual and aggregate loan limits. Students do not have to demonstrate financial need to be eligible for this loan. Interest on this loan begins to accrue upon disbursement.
- The Federal Direct Parent Loan for Undergraduate Students (PLUS) is available to the parents or adopted parents of a dependent student to meet the cost of education not met by other financial aid assistance. Students do not have to demonstrate financial need for the parent to apply for this credit-based loan. The repayment period on this loan begins 60 days after the loan is fully disbursed.

Federal Work-Study Program

The Federal Work-Study Program is a federally funded program that provides part-time employment opportunities in various offices on campus and in the community to students who demonstrate financial need as determined by the results of the FAFSA. Students are paid at an hourly rate (typically minimum wage). Since funds are limited, students meeting the March 1 priority date are given priority consideration.

Satisfactory Academic Progress for Federal Financial Aid Recipients

Students must maintain satisfactory academic progress to be eligible for federal financial aid. This policy contains qualitative (grade-point average), quantitative (credit hour completion rate), and reasonable length of time measure requirements. To review the Satisfactory Academic Progress (SAP) Policy, please visit the

Financial Aid section of the Auburn University at Montgomery website at www.aum.edu for more details. Students wishing to appeal their satisfactory academic progress status should follow the instructions outlined within the policy.

Return of Title IV Funds Policy

Title IV funds are awarded to a student under the assumption that the student will attend school for the entire period for which the assistance is awarded. When a student withdraws or ceases to attend, the student may no longer be eligible for the full amount of Title IV funds that the student was originally scheduled to receive.

The Return to Title IV Funds Policy applies to recipients of Title IV financial aid who withdraw or cease attending all classes for the payment period or term after aid has been disbursed. Repayment of aid is determined according to this policy. Financial aid recipients considering withdrawing from all coursework are advised to contact the Office of Financial Aid prior to withdrawal.

When a student is considered to have totally withdrawn during a payment period or term in which he/she has begun attendance and received federal Title IV financial aid, the University is required to determine the amount of earned and unearned Title IV aid. A student is only eligible to retain the percentage of Title IV aid disbursed that is equal to the percentage of the payment period or term that was completed by the student. The unearned Title IV aid must then be returned to the appropriate federal aid program(s). If more than 60 percent of the payment period or term has been completed by the student, no Title IV aid needs to be returned.

In accordance with federal regulations, unearned Title IV aid shall be returned to these programs in the following order:

- Federal Direct Unsubsidized Stafford Loan
- Federal Direct Subsidized Stafford Loan
- Federal Direct Parent or Graduate PLUS Loan
- Federal Pell Grant
- Federal Supplemental Educational Opportunity
- Other Title IV Programs

The unearned portion of the aid will be charged back to the student's billing account and must be repaid by the student. A hold will be placed on the student's account by the Office of Student Accounts, if the outstanding balance is not repaid. The Office of Financial Aid will send notification to the student's University email account notifying the student of the withdrawal date, the percent of the payment period or term completed, the amount of aid returned to the federal program(s), and the balance the student currently owes.

There are three types of withdrawals that fall under the Return to Title IV Funds federal calculation regulations:

- **Official Withdrawals** — Student has completed the formal withdrawal process via the Withdrawal Authorization Form at the Registrar's Office in person, mail, fax, email, or has dropped all courses through their Webster account. The withdrawal date is the date the student notifies the school of intent to withdraw (Withdrawal Authorization Form received by school) or the date the student resigns from all courses online.
- **Unofficial Withdrawals** — If a student begins to attend class, receives federal Title IV aid, but then ceases to attend class without providing official notification to the University, the federal government considers this to be an "unofficial withdrawal." This includes students who earn failing grades in all classes, if it is determined the student ceased attending classes prior to the end of the payment period or term. The withdrawal date for students who unofficially withdraw is the last date of attendance reported by the student's instructor(s). The refund rules for Title IV aid recipients who withdraw are then followed to determine the unearned portion of Title IV aid that must be returned to the appropriate aid program(s).
- **Module Withdrawals** — A module withdrawal refers to a course or courses in a program that do not span the entire length of the payment period or term. If a student withdraws from an individual module and does not complete all of the days he/she was initially scheduled to prior to ceasing attendance, a return of Title IV funds calculation must be performed to determine the percentage of financial aid earned and unearned.

If a student provides written confirmation of his/her intent to attend a future module within the semester, it is not necessary to perform the recalculation, however, the student's future attendance within the semester must be tracked. If it is determined that the student failed to attend a future module, a recalculation must be performed.

Additional Information

For more information on the application process, policies, and other general financial aid information, please visit the Financial Aid section of the Auburn Montgomery website at www.aum.edu/admissions.

Educational Benefits for Veterans

Auburn University at Montgomery is approved by the Alabama State Approving Agency (SAA) to offer VA Educational Benefits (GIBill®) to eligible individuals in approved programs, and provide certification for Federal VA benefits. Veterans who plan to attend school and expect to receive Federal VA should visit the VA Manager in the Office of Veteran Services, located in the Office of Financial Aid to complete the paperwork necessary for AUM to submit enrollment certification for benefit payments.

Eligible veterans receive a monthly stipend that can vary according to the student's benefit, enrollment level, and length of the term. Typically, students receive full-time benefits if enrolled for at least 12 credit hours, three-quarter time benefits for 9-11 hours and half benefits for at least six hours for a standard term. For non-standard 8-week term 6 hours is considered fulltime and a 4-week term 3 hours is considered fulltime. Post 9/11 recipients will not receive a monthly stipend if their level of enrollment is half-time or less.

When possible, those enrolling and using Federal VA benefits to pay for educational costs should have sufficient funds to finance themselves for one semester or at least until payments begin coming from the Veterans Administration (approximately six weeks) after the start of the term.

For complete information about these programs, please contact the VA Manager at 334-244-3288.

The following regulations will apply to all AUM students who receive veterans' educational benefits:

I. Withdrawal

After a student's certification has been submitted, any changes to the schedule must be reported to the VA in accordance with VA policies and federal law. Such changes could result in a student debt with the VA. The determination of a debt and the amount is made by the VA. At the time of a debt notification, the student may submit applicable mitigating circumstances to the VA for consideration. Students receiving Post 9/11 benefits whose schedule is changed resulting in a debt pertaining to tuition and fees will be a school debt between AUM and the VA. However, the amount of the debt will be passed onto the student and added to their AUM account. Any debt for housing and/or book stipend will continue to be a student's debt with the VA.

In accordance with VA policies and federal law, a student's academic suspension will be reported to the VA and will result in the suspension of benefits until the student is reinstated.

II. Satisfactory Progress

Students receiving VA educational benefits are expected to make satisfactory progress toward a degree. Normal standards of progress as stated in this catalog are in effect for all students. The VA will not pay to repeat a course that was successfully passed (in accordance with the department's policy) or a course taken for the purpose of improving a student's GPA. To maintain satisfactory progress, the following should be carefully considered:

- A. Develop a close advising relationship with your department advisor.
- B. Take courses essential to your degree program. Veterans or eligible persons cannot receive VA benefits for courses that are not essential to their degree program.

III. Certification

In accordance with VA policies and federal law, students receiving VA benefits will have their enrollment certified and reported to the VA Regional Office within 30 days of the term start date. Changes such as dropping or adding courses, dropping out of school, and renewing enrollment, change in VA Chapter, change in major or degree, change in grades, change in transfer credit, or change in attendance must be reported to AUM's VA Manager.

IV. Declared Majors

To receive VA educational benefits at AUM students must be enrolled in a degree program leading to a degree. Students enrolled as "undeclared" will not be eligible for VA educational benefits.

V. Remedial Courses

The VA will pay benefits for remedial courses, as long as, there is a documented need for the remedial course such as ACT/SAT and placement test scores. Remedial courses offered online cannot be certified for VA benefits.

VI. Transcripts

The VA requires the school to evaluate and maintain transcripts from previous schools the student has attended. For those students who have served or are currently serving in the military this includes transcripts for military training. Official military transcripts may be ordered at:

Air Force, Air Force Reserves, and the Air National Guard: <https://www.airuniversity.af.edu/Barnes/CCAF/Display/Article/803247/community-college-of-the-air-force-transcripts/>

Other branches of service: <https://jst.doded.mil/jst/>

As a result of security restrictions it may be best to use the Firefox browser.

VII. Alabama National Guard Education Assistance Program (ANGEAP)

ANGEAP is a program established by the State of Alabama to assist the members of the Alabama National Guard with the cost of education. Each year the state establishes a maximum dollar amount an eligible student may receive in tuition and fees. To receive ANGEAP, the student must submit an application for the current award year to the Office of Veteran Services each semester. The Office of Veterans Services will process the student's application according to the guidelines provided by the State of Alabama.

VIII. Alabama G.I. Dependents' Scholarship Program and Military Tuition Assistance (TA)

The Alabama G.I. Dependent Scholarship Program and TA is administered by the Office of Student Accounts.

For more information, please visit the Office of Student Accounts Third Party Billing webpage at <http://www.aum.edu/current-students/records-registrars-office/student-accounts/third-party-billing>

For further information about veterans benefits, visit our financial aid website at <http://www.aum.edu/admissions/scholarships-and-financial-aid/financial-aid/veteran-services>.

Admission Policies and Procedures

Application

Auburn Montgomery encourages online application for admission at www.aum.edu. Students may apply for admission prior to the start of any semester. In order to ensure that your application is reviewed in a timely manner, it is strongly recommended that supplemental items are submitted at least three weeks prior to the opening of the semester in which admission is desired. In submitting admission credentials, applicants must give complete and accurate information. False or misleading statements can result in denial of admission or cancellation of the student's registration.

Commensurate with available faculty and facilities, favorable consideration for admission will be given to secondary school graduates who hold either a standard or advanced diploma or the equivalent and whose college ability test scores and high school grades indicate a potential for success in fields of study in which enrollment is sought. All students planning to apply for admission should emphasize English, mathematics, social studies, sciences and foreign languages in their high school programs.

All prospective undergraduate students are required to submit the following:

1. a completed application,
2. appropriate academic credentials (See following sections),
3. a completed health information form, (See 'Proof of Immunization').

Prospective undergraduate students fall into one of the categories mentioned below and must submit the requirements associated with their category for consideration:

First-Time Freshmen - Full Admission

1. Applicants who graduated from high school less than three years prior to initial enrollment at AUM must have a minimum ACT composite score of 18 (SAT score of 940) to be considered for full admission. A combination of ACT/SAT scores and GPA will be used to determine admission. A minimum ACT composite score of 18 (SAT score of 940) would require a GPA of no less than 2.3 for full admission.
2. Applicants who graduated from high school more than three years prior to initial enrollment at AUM do not have to submit ACT or SAT scores and may gain full admission with a GPA of not less than 2.3.
3. Applicants with a GED whose high school class graduated within the three years prior to initial enrollment at AUM must have a minimum ACT composite score of 18 (SAT score of 940) to be considered for full admission. A combination of ACT/SAT scores and GED score will be used to determine admission. A minimum ACT composite score of 18 (SAT score of 940) would require a GED composite score of not less than 500 for full admission.
4. Applicants with a GED whose high school class graduated more than three years prior to initial enrollment may gain full admission with a GED composite score of 500.
5. In order to ensure that your application is reviewed in a timely manner, it is strongly recommended that credentials/supplemental items are filed at least three weeks prior to the first day of class.

First-Time Freshmen - Bridge Admission

Applicants who do not meet requirements for full admission may be granted admission to our Bridge Program. A limited number of applicants will be invited to enroll.

All applications are evaluated on an individual basis, and exceptions can be made based on the particular merits of an application.

Complete admission credentials must be filed at least three weeks prior to the first day of class of the semester in which admission is desired.

All Bridge students must sign a contract in order to complete the admission process. The contract restricts students from utilizing AUM's grade forgiveness policy and from taking courses as transient/cross enrollment students at other institutions (ROTC cross enrollment at Alabama State University is an exception) until they obtain full admission. Additional contract requirements do apply.

Transfer Students

To gain admission, transfer students must have attempted 24 or more hours of college level credit at a regionally accredited institution(s) with at least a 2.0 on all GPA hours (all graded hours) from all universities attended. Any applicant who does not meet these requirements must meet the requirements for first-time freshmen.

Transfer course work will be evaluated and applied towards the student's degree plan. Although all acceptable transfer credit may appear on the student's transcript, only 50% of the credit hours earned at a community college will be applied towards the student's degree plan.

The student must be in good standing (eligible to return) to the last institution attended and will need to verify that standing to the AUM Admissions Office with official notification from the previous institution's registrar's office.

Dual Enrollment

A student who has completed the sophomore year of high school may apply for dual enrollment in order to take classes and earn college credit while still in high school. Students who seek dual enrollment must submit the documents required for first-time freshman applicants. Dual enrollment requires a minimum high school GPA of 3.0 and a minimum ACT composite score of 18 (SAT score of 940), an English score of 18. To enroll in college level math requires a sub score of 20.

Homeschool Students

Applications are welcomed from students who are home-schooled. These individuals must meet the ACT/SAT and grade point average requirements of the general admission policies for beginning freshmen. They must also present certified transcripts of their courses and grades that have been documented by an agency that has been approved by the State Department of Education to operate within the state in which the agency is located. Students who cannot present certified transcripts of their home-schooling must successfully complete the GED.

Transient Students

AUM Students

A student in good standing may, with written permission of the department head of his or her major and of the dean of the college in which he or she is majoring (or his/her designee), qualify to enroll as a transient student to another institution for one term. Credits earned elsewhere without a fully approved Student Transient Authorization form might not be accepted for degree credit at AUM. A student who is not in good academic standing is not authorized to go to another school in transient status. International students can only use three credits of transient classes toward full-time enrollment at AUM. The conditional classification does not constitute good standing. Immediately upon completion of the transient course, the student must request an official transcript be sent to the AUM Admissions Office.

Students from Other Colleges or Universities

A student in good standing at an accredited college or university may be allowed to take AUM courses as a transient student when available faculty and facilities permit. To be eligible, an applicant must complete the on-line transient application. It is the student's responsibility to contact the necessary individuals at his or her current institution regarding the transferability of course work taken at AUM. International students holding a non-immigrant visa must meet AUM's language proficiency requirement for international students.

It is also the responsibility of the transient student to request an official AUM transcript be mailed to the home institution.

Permission to enroll in courses on a transient basis is granted for one semester only and a student seeking re-entry in the transient classification must complete the on-line transient application and submit transient student forms for any additional semesters. It should also be understood that transient student permission does not constitute admission or formal matriculation as a regularly enrolled student; that courses taken and credit hours earned in a transient student classification do not meet residency requirements should the student subsequently decide to transfer to AUM; and that a transient student is subject to the same fees and regulations as a regular student except for standards applied for academic continuation.

It is the responsibility of the transient student to ensure he or she has met all prerequisites for the courses in which he or she wishes to enroll. If at any time a transient student desires admission as a regular student at AUM, a formal application as a transfer student must be made (see previous information regarding admission).

Second Bachelor's Degree Applicants

Students who wish to pursue a second (or subsequent) bachelor's degree must submit the same admission credentials as transfer applicants. Residency requirements for the awarding of an additional bachelor's degree begin with enrollment after admission in this classification.

Students who were awarded an initial bachelor's degree at AUM and wish to pursue a second degree at AUM must complete a second undergraduate degree application and submit it to the Office of Admissions prior to beginning work on the second degree.

Unclassified Students

Admission as an unclassified student may be granted on the basis of a bachelor's (or higher) degree from an accredited institution. Admission as an unclassified student can also be granted to students involved in any special programs and/or partnerships. Students wishing to enroll in this classification must submit the same admission credentials as transfer applicants. A degree cannot be granted to students in the unclassified status.

Audit Students

A student may be allowed to audit a lecture course or the lecture portion of a combined lecture/laboratory course only with the approval of the instructor, department head and dean of the college in which the course is offered and when available faculty and facilities permit.

Senior Guest Program

Senior adults, age 60 and over, have the opportunity to enroll in many regular college courses as guests of the university. Offered through the AUM Office of the Registrar, this special program allows enrollment at no cost on a space-available basis.

Science lab classes, studio courses in fine arts, study abroad, nursing, computer, and online classes are not available in this program. Senior guests will not receive credit, will not normally take tests and will not be required to complete assignments. The level of participation is agreed upon by the senior guest and the instructor.

Senior college represents a unique opportunity to pursue learning for its own sake. The university welcomes senior guests as members of the university community, where their ideas, insights and inspiration contribute to lifelong learning.

Orientation Requirement

All new undergraduate students admitted to AUM (full or conditional) must attend new student orientation. A mandatory orientation fee will be automatically added to each student's university account. Specific information regarding orientation will be provided upon admission to the university.

Exceptional Student Admission

When an applicant does not meet the established admissions criteria but has demonstrated potential for successful college work, he or she may be eligible to be evaluated for admission by the Exceptional Student Admissions Committee. This committee consists of a representative from the Office of the Provost, the University Registrar, the Director of Admissions and a faculty representative from the student's prospective area of study. The committee's review of the applicant's academic eligibility will include but not necessarily be limited to standardized tests and past classroom performance. Prospective applicants may be required to be interviewed by the committee.

Proof of Immunization

Effective Fall 2012, Auburn Montgomery will require all incoming students born after January 1, 1957 to provide documentation of proof of immunity to rubella (measles), rubella and mumps by laboratory immunity or evidence of two injections of the Measles, Mumps and Rubella (MMR) vaccine.

Students are also required to submit documentation of a diphtheria, tetanus toxoid and pertussis (TDaP) booster that must not be longer than five years since administration upon entering and through completion of their studies at AUM. Finally, students will submit documentation of either a negative Mantoux tuberculosis skin test or a chest x-ray performed within the 6 months prior to their admission to AUM.

Graduate Course Work (Senior Privilege)

An AUM undergraduate who is within the last semester of bachelor's level study and has a 3.0 or above undergraduate GPA, may be eligible to register for graduate courses. If the student is accepted into one of the graduate programs, upon graduation, such graduate course work taken as an undergraduate may be applied to the master's degree. The senior privilege is limited to six semester hours. The graduate work taken during senior privilege must generate at least a 3.0 GPA to be eligible for transfer into the graduate program; senior privilege transfer follows the same requirements as transfer of graduate credit from another university. Such work is creditable to a master's degree at AUM upon completion of nine semester hours of graduate work taken after admission to a graduate program. Approval of an undergraduate student to take graduate courses should in no way be construed to constitute admission to a graduate program.

Admission of International Students

AUM welcomes admission inquiries from international students. International application processing is conducted by AUM Office of Global Initiatives. After a full evaluation, the prospective student will be notified of an admission decision. If the international student is currently in the United States, the student must be "in status" according to U.S. immigration regulations before AUM can process the application.

Admission Process

1. All documentation for admission must be received by the Office of Global Initiatives at least 45 days prior to the beginning of the term for which the student wishes to enroll.
2. If the evaluation indicates the student can be admitted and meets all admission and immigration requirements, he or she will be sent an acceptance notice and an I-20 Form/DS-2019 Form (if appropriate).
3. Students transferring from a U.S. college or university or wishing to change their course of study at AUM (including attaining a second or higher degree) must be issued a new I-20/DS-2019. Transferring students must complete the Transfer Eligibility Form and return it to AUM with the required information and signatures.

The following items are required for evaluation (students requiring the issuance of an F-1 or J-1 visa have additional requirements identified below):

1. Completed online International Undergraduate Application for Admission.
2. Official transcripts from all schools previously attended (high school and university). If not in English, transcripts must be translated into English by an official translation service.
3. Transcript evaluation by a recognized, expert service or qualified AUM individual(s) in the field of foreign credential evaluations and international admissions as follows:
 - a. For first-time freshmen: A document-by-document evaluation that indicates a minimum 2.3 grade-point average on a 4.0 scale.
 - b. Eligible international transfer students who have 24 semester hours of college level work from an accredited U.S. college or university with no transfer credit from outside the U.S. A course-by-course evaluation of academic credentials that indicates a minimum GPA of 2.0 on a 4.0 scale.

Exceptions:

- Students enrolling in programs included in a contract between AUM and a foreign government/institution, education agency/company, and/or U.S. military organization.
 - Eligible international transfer students who have 24 semester hours of college level work from an accredited U.S. college or university with no transfer credit from outside the U.S.
4. Satisfactory completion of any one of the following as evidence of English proficiency:

- a. The Test of English as a Foreign Language (TOEFL). The minimum acceptable score for admission is 500 for paper-based testing (including the Auburn or AUM Institutional TOEFL) or 61 for Internet-based testing. The TOEFL results should be sent directly to the Office of Global Initiatives by the testing agency and must not be more than 2 years old.
- b. The International English Language Testing System (IELTS). The minimum acceptable score for admission is 5.5. IELTS results must not be more than 2 years old.
- c. The Pearson Test of English (PTE). The minimum acceptable score for admission is 44. PTE results should be sent directly to the Office of Global Initiatives by the testing agency and must not be more than 2 years old.
- d. Cambridge English Exams (Preliminary, First, Advanced, Proficient, Business Preliminary, Business Vantage, and Business Higher). The minimum acceptable score for admission is CEFR Level B2. Test results should be sent directly to the Office of Global Initiatives by the testing agency and must not be more than 2 years old.
- e. International Test of English Proficiency (iTEP). The minimum score for admission is 3.7. The test results must not be more than 2 years old.
- f. The Scholastic Aptitude Test (SAT). The minimum acceptable score for admission is a composite score of 860 (Critical Reading and Mathematics only) with a minimum sub-score of 450 on the Critical Reading section.
- g. The American College Testing Program (ACT). The minimum acceptable score for admission is a composite score of 18 with a minimum sub-score of 18 on the English section.
- h. Completion of Auburn University at Montgomery English as a Second Language (ESL) program along with certification by the director of the ESL program that the student has achieved sufficient English proficiency for college level academic courses.
- i. Certificate of Completion of ELS Language Centers' Level 112 Intensive English Program.
- j. Completion of AUGlobal's GLOB0310/GLOB0410 course at Auburn University. A minimum grade of C is required.

Exceptions:

Students who fit into any one of the following categories are exempt from requirement #4.

- Students enrolling in programs included in a contract between AUM and a foreign government/institution, education agency/company, and/or U.S. military organization.
- International students who have satisfactorily completed a high school diploma, a bachelor's degree or master's degree at an accredited U.S. institution.
- International students who have satisfactorily completed 24 semester credit hours or the equivalent of AUM English composition requirements at an accredited U.S. institution.
- International students who are citizens of one of the Exempt Countries listed below.
- International students who have satisfactorily completed the equivalent of a U.S. high school diploma, a bachelor's degree or a master's degree at an institution where English is the medium of instruction in one of the Exempt Countries.

Exempt Countries:

Anguilla, Antigua, Australia, Bahamas, Barbados, Belize, Bermuda, British Solomon Island, British Virgin Islands, Canada (except Quebec), Cayman Islands, Channel Islands, Dominica, Ghana, Grenada, Guyana, Jamaica, Liberia, Montserrat, New Zealand, Republic of Ireland, St. Kitts and Nevis, St. Lucia, St. Vincent and the Grenadines, Trinidad and Tobago, Turks and Caicos Islands, and United Kingdom.

- International students who have scored 488 to 499 on paper-based TOEFL, 57 to 60 on Internet-based TOEFL, 42 to 43 on PTE, 3.5 on iTEP, or 5.0 on IELTS can be admitted into AUM, but they will take a combined load of undergraduate courses and appropriate English as a Second Language (ESL) courses. Students will continue with ESL courses until they meet any one of the criteria listed in #4.

5. Specific academic programs might have additional requirements for admission. Contact the Office of Global Initiatives for program-specific admission requirements.

Note: Students who do not meet the English proficiency requirement for full admission to an AUM academic program may apply for admission to the AUM English as a Second Language (ESL) program. Please visit the AUM ESL website for application information: <http://www.outreach.aum.edu/english-second-language>

International Students Requiring the Issuance of an I-20/F-1 Visa or DS-2019/J-1 Visa

International undergraduate students who will be attending AUM on an F-1 or J-1 student visa, including those transferring from another accredited U.S. college or university, must meet all of the requirements identified above and also provide the following documentation:

1. Evidence in the form of an official letter from a bank or other financial institution of sufficient financial resources to meet college expenses for the first year of study. If a sponsor's account is used, a letter from the sponsor stating the intent to assist with the student's educational expenses is also required. International students will be required to pay non-resident tuition.
2. Copy of passport (bio page only).
3. Supplemental Student Information Form

Enrollment Policies

An international student on an F-1 or J-1 visa must attend AUM on a full-time basis in the program identified on the I-20 Form/DS-2019 Form. In addition, academic degree students must attend AUM for the fall and spring semesters during the year in order to remain in current status with U.S. immigration regulations.

English as a Second Language students must attend AUM for four consecutive ESL terms during the year in order to remain in current status with U.S. immigration regulations.

All AUM international students (F-1/J-1 visas) and their dependents (F-2 and J-2 visas) are required to participate in the AUM Group Health Insurance Plan. The cost of insurance plans for international students and their dependents is the responsibility of the student, as appropriate.

International Student Employment Policies

A student issued an I-20 may accept on-campus employment at AUM without prior approval from the U.S. Immigration Service as soon as he/she is enrolled in a full-time program at AUM. On-campus employment undertaken pursuant to the terms of a scholarship, fellowship or assistantship is considered to be part of a student's program of study if the student is in good academic standing and is enrolled in a full-time course of study. On-campus employment is limited and should not be relied upon to assist the student financially while attending AUM. In addition, on-campus employment is limited to a maximum of 20 hours per week.

Off-campus employment is specifically prohibited during the first two semesters of continuous, full-time enrollment in F-1 student status. After the first year, an F-1 student may apply for Optional Practical Training (OPT) or Curricular Practical Training (CPT). Employment must be directly related to the field of study, and CPT must be an integral part of the student's curriculum. A student may also apply for economic hardship work permission, which requires demonstration of economic necessity due to unforeseen circumstances arising subsequent to arrival in the United States. In all cases, the student must be in good academic standing and must demonstrate that acceptance of employment will not interfere with a full-time course load.

Responsibility

It is the international student's responsibility to ensure that he or she is "in status" in accordance with U.S. immigration regulations and that the I-20 Form/DS-2019 Form has the necessary signature and is valid each time the student desires to temporarily leave the United States.

International Transfer Credit Articulation

1. Post-secondary work in a country other than the United States must be recognized by the respective Ministry of Education or governing educational body to be eligible for articulation.
2. Any student, domestic or international, that completes any post-secondary coursework at an international institution shall have their potential transfer credit articulated through the Registrar's office. At the present time, this will not include articulation of Study Abroad credits within the expected scope of work.
3. AUM will accept the following sources of transfer credit:
Cambridge International A and AS level Exams: Transfer credit may be awarded for AS-level or A-level examinations with a grade of E and above.

German Abitur (Zeugnis der Allgemeinen Hochschulreife): Transfer credit may be awarded to students who have scored passing grades on the Abitur examination administered during the 13th year of secondary school. No Abitur score below the minimum passing grade of 4 will be considered. No advanced standing will be offered to students whose secondary school education terminates at the 12th year, regardless of Abitur results.

International Baccalaureate: Students who complete the IB may be eligible for transfer credit.

Colleges and Universities: There is no limit on the number of credits that can be transferred from a university. However, students must complete a minimum of 25% of the total credit hours required for graduation in residence at AUM.

4. AUM shall view the completion of secondary school in the home country as equivalent to US completion of secondary school with no additional credit offered regardless of time required to complete home country's secondary school level. The only exceptions to this rule are the following exams: Abitur following thirteen years of primary and secondary education, International Baccalaureate, and Advanced Subsidiary (AS) and Advanced (A) Level results from the General Certificate of Secondary Education. The AS and A Level results must be issued by one of the following examination boards: Assessment and Qualifications Alliance (AQA), Oxford, Cambridge and RSA Examinations (OCR), Edexcel, Welsh Joint Education Committee (WJEC), and the Council for the Curriculum, Examinations & Assessment (CCEA).
5. Every student admitted to AUM shall have an educational credential evaluation completed by AUM's credential evaluator, regardless if student has already had an evaluation completed by an accredited evaluation agency such as WES, ECE, Lisano, etc. In order to increase transparency and equity, credential evaluations completed by outside agencies shall be used for admissions purposes only.
6. The number of credits awarded shall not exceed the number offered at AUM even if the student's credential appears to indicate hours exceeding the average credit standard (i.e. 3.0 credit hours) for a specific course.
7. Coursework that closely matches the descriptions of classes taught at AUM shall transfer as direct course equivalency credits.
 - a. Amount of credit awarded is the same credit hour amount listed in the current AUM catalog regardless of transcript evaluation normalization to US semester hours (i.e. if credential evaluation indicates 1.4 US semester hours and there is a direct AUM equivalent, then the AUM number of credit hours will be awarded).
 - b. If a faculty chair deems a course to be equivalent to an AUM core curriculum requirement, then that class shall automatically be accepted as core unless overruled by the Associate Provost of Undergraduate Studies.
8. Transfer courses that do not have direct course equivalents at AUM will transfer as elective credits within the appropriate academic department or as general elective credits. General elective credits will apply only toward the total number of credits required for graduation, but not toward fulfilling core or major requirements.
9. Transfer credit shall not be given for English classes taken in a country where the native language is not English.
10. Once course articulation has been evaluated by a designated faculty member and a decision made, the student must supply additional information in order to have the coursework reviewed a second time.
11. Credit shall be articulated in two places in AUM's Banner system:
 - 1) individual student records, and
 - 2) as a single institutional record similar to a university catalog.
12. All international transfer students or international freshman who have the potential for advanced standing shall be required to follow the AUM transfer articulation process except in those cases where there is an unexpired, fully executed written agreement with a complete transfer articulation of all potential coursework embedded within the document.

Alabama and Non-Alabama Student Policy

For the purpose of assessing fees, applicants shall be classified as Alabama or non-Alabama students. Non-Alabama students are required to pay a non-resident tuition fee. All students registering at Auburn University at Montgomery (AUM) who come to the state of Alabama from another state for the purpose of attending school will be considered a "non-resident student" for tuition purposes. Classification of students as a non-

resident shall be made at the time of their initial admission to the university and the non-resident status shall continue unchanged through all registrations at the university until and unless satisfactory evidence is provided supporting that the student's reason for coming to and remaining in the state has changed. Documents which are at least one (1) year old from the date of issue are often, but not always, more probative than those that are less than one year old. In determining Alabama student status for purposes of assessing fees, the burden of proof is on the applicant.

Any student who attended or graduated from an out-of-state high school, attended online college or university or attended a higher education institution in another state will be coded as a non-resident upon admission and must file a residency appeal. Please provide documentation if the educational program is residency based or online.

An Alabama student/resident is a citizen of the United States, or legal permanent resident who, at the time of admission to the university:

- Is not a “minor” and is a resident of the state of Alabama and has been a resident of the state for at least 12 consecutive months immediately preceding the date of initial registration; or
 - Is a “minor” and whose “supporting person(s)” is a resident of the state of Alabama and has been a resident of the state for at least 12 consecutive months immediately preceding the date of initial registration; or
 - One who, at the time of registration, is not a “minor” and:
 - Is a full-time, permanent employee of AUM or is the spouse of such an employee;
 - Can verify full-time permanent employment within the State of Alabama or is the spouse of such an employee and will commence said employment within 90 days of registration with the institution;
 - Is a spouse by legal marriage of a bona fide Alabama resident;
 - Is a member or the spouse of a member of the United States military on full-time active duty stationed in Alabama under orders for duties other than attending school (members of the National Guard or Reserves are not included in this provision);
 - Has been a member of the Alabama National Guard for a period of at least two years immediately preceding the student qualifying for resident tuition and continues to be a member of the Alabama National Guard while enrolled at the public institution of higher education;
 - Is an accredited member or the spouse of an accredited member of a consular staff assigned to duties in Alabama;
 - Is a non-resident undergraduate student who has been awarded a full-time academic, athletic or other similar performance tuition scholarship by AUM, or a graduate student appointed on assistantships of at least one-fourth time;
 - Is a non-resident student enrolled in programs included in the Southern Regional Education Board Academic Common Market, provided the student does not change to another program that does not fall under this category. In a case of change, the student will be classified as nonresident for tuition purposes;
- OR
- One who, at the time of initial registration, is a “minor” and whose “supporting person(s)”:
 - Is a full-time, permanent employee of AUM;
 - Can verify full-time permanent employment within the State of Alabama and will commence said employment within 90 days of student's registration with AUM;
 - Is a member of the United States military on full-time active duty stationed in Alabama under orders for duties other than attending school. (Members of the National Guard or Reserves are not included in this provision);
 - Is an accredited member of a consular staff assigned to duties in Alabama.

A non-resident student is one who does not meet the criteria for a “resident student” as specified in the preceding section.

Questions regarding resident and non-resident status for tuition change purposes should be directed to Auburn University at Montgomery, Admissions Office, PO Box 244023, Montgomery, AL 36124-4023; (334) 244-3615; admissions@aum.edu or by visiting us on the web at <https://www.aum.edu/undergraduate-student-admissions/#ResidencyRequirements>.

Initial Determination of Eligibility

In order to be initially classified as eligible for resident tuition, students must demonstrate that they or their parent, guardian or spouse qualify for one of the eligibility categories prior to the first day of class. A signed statement is required, attesting that qualification for the eligibility category claimed has been met prior to registration.

Change in Eligibility for Resident Tuition

Students determined to be eligible for resident tuition will maintain that eligibility upon re-enrollment within 12 months of their most recent enrollment unless there is evidence that the student subsequently has abandoned resident status (for example, registering to vote in another state). Students failing to re-enroll within 12 months must establish eligibility upon re-enrollment.

Students initially classified as ineligible for resident tuition will retain that classification for tuition purposes until they provide clear and convincing evidence they have established permanent domicile in Alabama. The burden of proof of change in eligibility rests on those requesting change. Evidence relevant to an initial determination of eligibility is also relevant to establishing a change in eligibility.

Non-resident students who carry a full academic load considered normal (12 or more hours per term) for students at AUM will be presumed to be in Alabama primarily for the purpose of gaining an education and, thus, have not demonstrated the intent to establish a true domicile in Alabama. Clear and convincing proof may overcome this presumption, but again, the burden of proof rests on those requesting change in eligibility. Any change in resident tuition eligibility occurring during an academic term will not become effective until the registration for the succeeding term.

The following types of evidence may contain data to establish 12-month residency in Alabama. In all cases the person must be at least 19 years of age or married and financially independent. Otherwise, the person's residency will be based on that of the parent or guardian.

1. Ownership or rental of residential property in Alabama and continuous occupation thereof on an extended term of not less than 12 consecutive months.
2. Full-time permanent employment in Alabama.
3. Possession of Alabama licenses required to do business or practice a profession in Alabama.
4. Legal marriage to a bona fide Alabama resident.
5. Registration to vote in Alabama.
6. Filing of Alabama resident income tax returns.
7. Holding of a current Alabama driver's license.
8. Registration of a vehicle in Alabama and payment of property taxes thereon.
9. Evidence of banking activity within Alabama for 12 consecutive months prior to making application for residency change.

The Admissions Office at AUM determines whether a student will be classified as an Alabama or non-Alabama student. The decision is subject to review by the chancellor at AUM or his designated representative, upon written request of the applicant.

General University Policies

Equal Opportunity

Auburn University at Montgomery is committed to providing a working and academic environment free from prohibited discrimination and harassment and to fostering a nurturing and vibrant community founded upon the fundamental dignity and worth of all its members.

Accommodation for Individuals with Disabilities

The AUM Center for Disability Services has the responsibility of determining a student's need for academic accommodations. This determination is made through the reviewing of disability documentation and an interactive meeting with the student requesting academic adjustments. For students receiving academic

accommodations through the Center for Disability Services, informal grievance procedures are available to resolve accommodation and other disability related complaints in a timely manner. The University will not discourage students from pursuing a formal grievance in lieu of the informal grievance procedures. The informal and formal grievance procedures that follow apply to students who believe their rights may have been violated under Section 504 of the Rehabilitation Act of 1973 (Section 504) and/or the Americans with Disabilities Act of 1990 (ADA). Students not registered with the Center for Disability Services also have the opportunity to file a formal grievance when they believe their rights may have been violated.

If a student believes he or she has been discriminated against regarding academic accommodations on the basis of a disability by a student, employee, or third party, the student should contact:

Dr. Phill Johnson
504 Compliance Officer
211A Library Tower
Phone: 334-244-3200
E-mail: pjohns23@aum.edu

Dr. Johnson is the person designated to coordinate the University's compliance with Section 504 of the Rehabilitation Act and Title II of the Americans with Disabilities Act and to handle inquiries regarding the non-discrimination policies.

Drug-Free Campus and Workplace Policy

Auburn University at Montgomery (AUM) remains committed to providing an academic and work environment free of alcohol abuse and illegal drugs within which to 1) achieve the University's mission for our students; 2) maximize the skills and talents of our employees; 3) create a culture that respects and supports individual freedom and 4) promote individual responsibility, health and safety, and community welfare. To that end, the unlawful use, possession, sale, distribution, or manufacture of alcohol or controlled substances is strictly prohibited on University properties or as part of University activities. This policy is implemented in compliance with the Drug-Free Schools and Communities Act Amendments of 1989 to promote the mission of the institution.

All faculty, staff, and students of the AUM community are responsible for becoming familiar and complying fully with the requirements of federal, state, and local laws as well as all University policies related to alcohol and other drugs that prohibit the unlawful use, possession, sale, distribution, or manufacture of alcohol or controlled substances on University property or as part of University activities.

The University will impose sanctions (consistent with local, state and federal law) upon all students who are found in violation of Auburn University at Montgomery's Student Discipline Code to include the University's Drug Free Campus and Workplace policy.

- Warning
- Community Service
- Restitution
- Education
- Probation
- Suspension

A link to the Biennial Report and the complete Drug-Free Campus and Workplace Policy can be found in the student handbook.

Prohibited Discrimination & Harassment Policy

In accordance with applicable federal law, Auburn University at Montgomery (AUM) is committed to providing a work and educational environment free of Discrimination and Harassment. AUM is equally committed to the principle of equal opportunity in education and employment. The University does not discriminate or tolerate Discrimination or Harassment against individual son the basis of sex, gender

(sexual orientation, gender identity, and gender expression), race, color, ethnic, religion, or national origin, age, disability, genetic information or veteran status (collectively, “Protected Status”) in its employment, admissions, and/or education programs and activities.

This Policy applies to Prohibited Conduct in all University education programs and activities and to all participants in such education programs and activities, including administrators, faculty, staff, students, volunteers, contractors, and guests. This Policy covers Prohibited Conduct that occurs on campus, in connection with an official University program or activity (regardless of location), and to off-campus conduct when the conduct could deny or limit a person’s ability to participate in or benefit from the University’s programs and activities or when the University, in its sole discretion, has an identifiable interest in the off-campus conduct.

Students who believe they have been discriminated against or harassed on the basis of their protected class by faculty, staff members, students, or third parties (such as members of the general public or University contractors while on University property or while engaged in University sponsored activities) should immediately report incidents to the Office of Human Resources or Student Affairs as indicated below:

Leslie Meadows
Chief Human Resources Officer
AA/EEO/ADA and Title IX Coordinator
Office of Human Resources
912 Library Tower
Phone: 334-244-3657
E-mail: lmeadows@aum.edu

Leon Higdon
Dean of Students
Office of Student Affairs
163D Taylor Center
Phone: 334-244-3028
Email: lhigdon@aum.edu

Civil Rights Compliance

AUM is an equal opportunity/equal access educational institution. The university complies with the regulations of Titles VI and VII of the Civil Rights Act of 1964, the Age Discrimination Act, the Age Discrimination in Employment Act, Title IX of the Education Amendments of 1972, Sections 503/504 of the Rehabilitation Act of 1973, the Vietnam Era Veterans Readjustment Assistance Act and the Americans with Disabilities Act of 1990.

Any employee wishing to file a complaint covered by the above should contact the Chief Human Resources Officer who serves as the EEOC/Affirmative Action Officer in the Office of Human Resources Office, 334-244-3657, between 8 a.m. and 5 p.m., Monday through Friday. Any student wishing to file a complaint covered by the above should contact the Dean of Students, 334-244-3028, between 8 a.m. and 5 p.m., Monday through Friday.

Non-discrimination Statement

In compliance with Title IX of the Education Amendments of 1972, Title VI and VII of the Civil Rights Act of 1964, Section 504 of the Rehabilitation Act of 1973, and other federal, state, and local laws, Auburn University at Montgomery does not discriminate against students on the basis of race, color, sex (which includes sexual orientation, gender identity, and gender expression), national origin, age, religion, or disability or veteran status in admission or financial aid programs, educational programs or activities, or employment processes.

Title IX (Sex/Gender Discrimination)

All personnel including faculty, administrators, staff members, and students will be expected to comply with Title IX of the Education Amendments of 1972 (20 U.S. Code § 1681) which mandates that no person in the United States shall, on the basis of sex, be excluded from participation in, be denied the benefits of, or be subjected to discrimination under any educational program or activity receiving federal financial assistance. Appropriate disciplinary action, up to and including termination or expulsion, will be taken against anyone who violates this policy or procedures in accordance with relevant AUM disciplinary procedures for that person's association with the University (faculty, administrators, staff members, or students).

The AUM Title IX Coordinator and is responsible for overseeing all Title IX complaints and identifying and addressing any patterns or systematic problems that arise during the review of such complaints. The Title IX Coordinator also ensures that adequate, reliable, and impartial investigations are conducted on all complaints. The Title IX Coordinator is available to meet with students and employees as needed.

Inquiries regarding Title IX Sexual Harassment Policy can be made directly to:

Leslie Meadows, Title IX Coordinator
Office of Human Resources and Affirmative Action
7430 East Drive, 9th Floor Library Tower
Montgomery, Alabama 36117
Phone: (334) 244-3657
Fax: (334) 244-3751
Email: lmeadows@aum.edu

Alternatively, Title IX complaints can be reported directly to any one of the following Deputy Title IX Coordinators:

Kenneth Jones, Deputy Title IX Coordinator
Campus Police
7400 East Drive
Montgomery, Alabama 36117
Phone: (334) 244-3487
Fax: (334) 244-3419
Email: kjone108@aum.edu

Tonya Dupree
Office of Human Resources and Affirmative Action
7400 East Drive, 9th Floor Library Tower
Montgomery, Alabama 36117
Phone: (334) 244-3641
Fax: (334) 244-3751
Email: Tonya.dupree@aum.edu

Bradley Robbins, Deputy Title IX Coordinator
Career Development Center
7400 East Drive, Taylor Center
Montgomery, Alabama 36117
Phone: (334) 244-3345
Fax: (334) 394-5937
Email: brobbin2@aum.edu

Lindsay Kennington
Office of Human Resources and Affirmative Action
7400 East Drive, 9th Floor Library Tower
Montgomery, Alabama 36117
Phone: (334) 244-3641
Fax: (334) 244-3751
Email: Lindsay.kennington@aum.edu

Dr. Glen Ray, Deputy Title IX Coordinator
School of Sciences - Psychology
7400 East Drive, 210 Goodwyn Hall
Montgomery, Alabama 36117
Phone: (334) 244-3690
Fax: (334) 244-3826
Email: gray@aum.edu

Individuals with complaints of this nature also always have the right to file a formal complaint with the:
United States Department of Education
Office for Civil Rights (OCR)
400 Maryland Avenue, SW
Washington, DC 20202-1100
Customer Service Hotline: 800-421-3481
Fax: 202-453-6012
TDD: 877-521-2172
Email: OCR@ed.gov
Web: <http://www.ed.gov/ocr>

Smoke/Vaping Free and Tobacco-Free Campus Policy

In recognition of tobacco health risks and environmental hazards, Auburn University at Montgomery intends to provide a smoke/vaping free and tobacco-free environment for its faculty, staff, students, and visitors. This policy applied to all students, faculty, staff, consultants, contractors, and visitors. For the purpose of this policy, “smoking” is defined as inhaling, exhaling, burning, or possessing lighted tobacco products, including cigarettes, cigars, pipe tobacco, and hookahs. This policy also prohibits the use of electronic or e-cigarettes. For purpose of this policy “smokeless tobacco” is defined as chewing tobacco or tobacco powder.

1. Smoking or the use of smokeless tobacco is prohibited within all University buildings, facilities, and University-owned vehicles, as well as on the grounds of the University and on the grounds of and within property leased to or managed by the University (regardless of accepted policy or practices established by other parties with whom the University and its employees may share space) with the exception of:
 - a. Controlled research, or educational, theatrical, or religious ceremonial purposes, with prior approval from the Dean, Provost, or Vice Chancellor responsible for the unit.
 - b. Privately-owned vehicles.
 - c. Locations outside of the defined Auburn Montgomery campus perimeter.
2. Littering the campus with the remains of disposable tobacco products is prohibited.
3. Assistance with smoking cessation for students, faculty and staff is available through Auburn University Harrison School of Pharmacy, “Pack It Up” cessation program (334-844-4099) or through the state of Alabama QUITNOW program (1-800-QUITNOW).

Dangerous Weapons and Firearms Policy

AUM prohibits the possession, use and transportation on university properties of any dangerous or potentially dangerous weapons, including but not limited to firearms, fixed-blade knives, shotguns, rifles, handguns, bows and arrows, crossbows, brass knuckles, air guns, swords and fireworks or explosive devices.

The complete Weapons Policy can be found in the AUM student handbook.

Notification of Rights under FERPA

The Family Educational Rights and Privacy Act (FERPA) affords eligible students certain rights with respect to their education records. (An “eligible student” under FERPA is a student who is 18 years of age or older or who attends a postsecondary institution at any age.) These rights include:

1. The right to inspect and review the student’s education records within 45 days after the day Auburn University at Montgomery (“University”) receives a request for access. A student should submit to the registrar, dean, head of the academic department, or other appropriate official, a written request that identifies the record(s) the student wishes to inspect. The university official will arrange for access and notify the student of the time and place where the records may be inspected. If the records are not maintained by the university official to whom the request was submitted, that official shall advise the student of the correct official to whom the request should be addressed.
2. The right to request the amendment of the student’s education records that the student believes is inaccurate, misleading, or otherwise in violation of the student’s privacy rights under FERPA. A student who wishes to ask Auburn University at Montgomery to amend a record should write the university official responsible for the record, clearly identify the part of the record the student wants changed, and specify why it should be changed. If Auburn University at Montgomery decides not to amend the record as requested, the university will notify the student in writing of the decision and the student’s right to a hearing regarding the request for amendment. Additional information regarding the hearing procedures will be provided to the student when notified of the right to a hearing.
3. The right to file a complaint with the U.S. Department of Education concerning alleged failures by Auburn University at Montgomery to comply with the requirements of FERPA. The name and address of the office that administers FERPA is:
Family Policy Compliance Office
U.S. Department of Education
400 Maryland Avenue, SW Washington, DC 20202

4. The right to provide written consent before Auburn University at Montgomery discloses personally identifiable information (PII) from the student's education records, except to the extent that FERPA authorizes disclosure without consent. Auburn University at Montgomery discloses education records without a student's prior written consent under the FERPA exception for disclosure to university officials with legitimate educational interests. A university official is typically a person employed by Auburn University at Montgomery in an administrative, supervisory, academic, research, or support staff position (including law enforcement personnel and health staff); a person serving on the board of trustees; or a student serving on an official committee, such as a disciplinary or grievance committee. A university official also may include a volunteer or contractor outside of the university who performs an institutional service of function for which the university would otherwise use its own employees and who is under the direct control of the university with respect to the use and maintenance of PII from education records, such as an attorney, auditor, or collection agent or a student volunteering to assist another university official in performing his or her tasks. A university official typically has a legitimate educational interest if the official needs to review an education record in order to fulfill his or her professional responsibilities for the Auburn University at Montgomery. Upon request, the university also discloses education records without consent to officials of another university in which a student seeks or intends to enroll. FERPA permits the disclosure of PII from students' education records, without consent of the student, if the disclosure meets certain conditions found in § 99.31 of the FERPA regulations. Except for disclosures to university officials, disclosures related to some judicial orders or lawfully issued subpoenas, disclosures of directory information, and disclosures to the student, § 99.32 of FERPA regulations requires the institution to record the disclosure. Eligible students have a right to inspect and review the record of disclosures. A postsecondary institution may disclose PII from the education records without obtaining prior written consent of the student —
- i. To other university officials, including professors, within Auburn University at Montgomery whom the university has determined to have legitimate educational interests. This includes contractors, consultants, volunteers, or other parties to whom the university has out-sourced institutional services or functions, provided that the conditions listed in § 99.31(a)(1)(i)(B)(1) - (a)(1) (i)(B)(3) are met. (§ 99.31(a)(1))
 - ii. To officials of another university where the student seeks or intends to enroll, or where the student is already enrolled if the disclosure is for purposes related to the student's enrollment or transfer, subject to the requirements of § 99.34. (§ 99.31(a)(2))
 - iii. To authorized representatives of the U. S. Comptroller General, the U.S. Attorney General, the U.S. Secretary of Education, or State and local educational authorities, such as a State postsecondary authority that is responsible for supervising the university's State-supported education programs. Disclosures under this provision may be made, subject to the requirements of §99.35, in connection with an audit or evaluation of Federal- or State-supported education programs, or for the enforcement of or compliance with Federal legal requirements that relate to those programs. These entities may make further disclosures of PII to outside entities that are designated by them as their authorized representatives to conduct any audit, evaluation, or enforcement or compliance activity on their behalf. (§§ 99.31(a)(3) and 99.35)
 - iv. In connection with financial aid for which the student has applied or which the student has received, if the information is necessary to determine eligibility for the aid, determine the amount of the aid, determine the conditions of the aid, or enforce the terms and conditions of the aid. (§ 99.31(a)(4))
 - v. To organizations conducting studies for, or on behalf of, the university, in order to: (a) develop, validate, or administer predictive tests; (b) administer student aid programs; or (c) improve instruction. (§ 99.31(a)(6))
 - vi. To accrediting organizations to carry out their accrediting functions. (§ 99.31(a)(7))
 - vii. To parents of an eligible student if the student is a dependent for IRS tax purposes. (§ 99.31(a)(8))
 - viii. To comply with a judicial order or lawfully issued subpoena. (§ 99.31(a)(9))
 - ix. To appropriate officials in connection with a health or safety emergency, subject to § 99.36. (§ 99.31(a)(10))
 - x. Information the university has designated as "directory information" under § 99.37. (§ 99.31(a)(11))

- xi. To a victim of an alleged perpetrator of a crime of violence or a non-forcible sex offense, subject to the requirements of § 99.39. The disclosure may only include the final results of the disciplinary proceeding with respect to that alleged crime or offense, regardless of the finding. (§99.31(a)(13))
 - xii. To the general public, the final results of a disciplinary proceeding, subject to the requirements of § 99.39, if the university determines the student is an alleged perpetrator of a crime of violence or non-forcible sex offense and the student has committed a violation of the university's rules or policies with respect to the allegation made against him or her. (§ 99.31(a)(14))
 - xiii. To parents of a student regarding the student's violation of any Federal, State, or local law, or of any rule or policy of the university, governing the use or possession of alcohol or a controlled substance if the university determines the student committed a disciplinary violation and the student is under the age of 21. (§99.31(a)(15))
5. At its discretion, Auburn University at Montgomery may also provide directory information. Directory information is defined as information contained in an education record of a student that would not generally be considered harmful or an invasion of privacy if disclosed. Designated directory information at Auburn University at Montgomery includes the following:
- i. Student's name
 - ii. Address
 - iii. Telephone listing
 - iv. Electronic mail address
 - v. Photograph
 - vi. Date and place of birth
 - vii. Major field of study
 - viii. Dates of attendance
 - ix. Grade level
 - x. Enrollment status (e.g. undergraduate or graduate, full-time or part-time)
 - xi. Participation in officially recognized sports
 - xii. Weight and height of members of athletic teams
 - xiii. Degrees, honors and awards received
 - xiv. Most recent educational agency or institution attended
6. Students may block the public disclosure of directory information by notifying the Office of the Registrar in writing.
- i. Please consider very carefully the consequences of a decision to withhold directory information. A non-disclosure block will call for AUM not to release any of this directory information; thus, any future request for such information from non-institutional persons or organizations will be refused. AUM will honor your request to withhold directory information but cannot assume responsibility to contact you for subsequent permission to release this information. Regardless of the effect upon you, AUM assumes no liability as a result of honoring your instructions that such information be withheld. Although the initial request may be filed at any time, a request for non-disclosure will be honored by the university until removed, in writing, by the student.

General Information

Medical Treatment for AUM Students

A primary care student health clinic is available to students at the Warhawk Health Services Clinic in Irma B. Moore Hall, Room 102. For a nominal co-payment, students can be seen for problem-oriented visits by a certified registered nurse practitioner. Preventive health services, including health screening, physical examinations, immunizations, women's health examinations, contraceptive counseling and laboratory testing are available at reasonable rates. Regularly scheduled health education programs, distribution of protective devices and health education materials are offered through the clinic.

The clinic is open during regularly scheduled university semester sessions for currently enrolled AUM students with a valid student I.D. The clinic hours are 8 a.m. to 5 p.m., Monday through Friday, and patients are seen from 8:15 a.m. to 4:30 p.m. by appointment. Please call 334-244-3281 to make an appointment. TDD users may call 334-244-3801.

Health insurance is highly recommended to all students attending AUM to cover accidents and emergency illnesses. Those students who are not covered under an insurance program are encouraged to participate in the voluntary low-cost student health insurance program available to enrolled AUM students. Additional information can be obtained from the Office of Student Affairs, 334-244-3620. TDD users may call 334-244-3801. Note: At this time, Warhawk Health Services is able to accept cash or major credit cards (excluding American Express) as forms of payment.

Speech and Hearing Clinic

Operated by the Department of Communication Disorders, the AUM Speech and Hearing clinic is a comprehensive facility serving central Alabama. The clinic provides complete diagnostic and therapeutic services for children and adults with speech and hearing delays or difficulties. The Speech and Hearing Clinic benefits students in Communication Disorders by offering supervised clinical practicum hours working with individuals who display a wide range of communication disorders.

Division of Student Affairs

The Division of Student Affairs encompasses the areas of student involvement and leadership, counseling services, services for students with disabilities, career development resources, Greek life, international student activities, student accountability and advocacy, diversity and inclusion, orientation, a Global Education Center, over 60 student organizations, and much more. The office of the Dean of Students of Student Affairs is in the Taylor Center Room 163 and our email is studentaffairs@aum.edu. Please contact us for more information.

Office of Diversity and Inclusion

The Office of Diversity and Inclusion works to achieve institutional diversity through campus-wide partnerships and collaborations. We believe all people are unique and should be treated with respect and dignity. We also recognize the diversity of individuals and their experiences, ideas, beliefs and cultures, and we're committed to cultivating an environment which fosters respect and dignity for all. The Office of Diversity and Inclusion provides leadership in three specific areas: Educational awareness, community partnerships, supplemental recruitment/retention strategies, and enhanced diversification of curricular and co-curricular initiatives. For more information, please email diversity@aum.edu

Office of Student Involvement and Leadership Programs

The Office of Student Involvement and Leadership provides leadership and coordination for co-curricular programs on campus to enhance and complement the academic experience. These programs include the Student Government Association, Campus Activities Board, fraternities and sororities, registration of student organizations, service to the community and event authorization. Students wishing to receive information about campus life or establishing a new student organization should contact us at studentinvolvement@aum.edu.

Office of Orientation and Transitions

The Office of Orientation and Transitions provides programs and services to help new students make successful personal, academic and social adjustments to Auburn University at Montgomery. Some of the programs supported by the Office of Orientation and Transitions are: New Student Orientations, Warhawk Welcome Weeks, and the S.W.O.T. Team (Successful Warhawk Orientation Transition Team). For more information, please email orientation@aum.edu or call 334-244-3279.

Student Government Association

The Student Government Association (SGA) is composed of AUM students of all majors and rankings. Each enrolled AUM student is a member of the Student Government Association, which is the official governing body of the students. The SGA serves the university by representing the entire spectrum of the student body, organizing and directing student concerns through proper channels and working to provide students with the resources they need to succeed. Through the SGA, students are involved in the decision-making process of

the university. In addition, the SGA cultivates students to become successful peer leaders by promoting academic and social engagement. It works in partnership with many university and community committees and organizations and encourages student involvement in student activities and campus initiatives.

Additional information about the SGA can be found on the SGA webpage at <https://www.aum.edu/student-leadership-opportunities>.

AUM offers a comprehensive program for student-athletes who wish to participate in intercollegiate athletics. Men's varsity sports include baseball, basketball, cross country, soccer and tennis. Women's varsity sports include basketball, cross country, soccer, softball, tennis and volleyball.

The Warhawks compete in the Gulf South Conference (GSC) and are governed by National Collegiate Athletic Association (NCAA) Division II rules. While the NCAA has established standards for student-athletes to compete in intercollegiate sports, each institution must also fit the standards into its mission and academic standards.

Intramural Programs

AUM offers a number of individual and team sports for both men and women. They range from flag football to basketball, from softball to non-traditional sports like table tennis, dodgeball and sand volleyball.

Intramural Sports offers a great opportunity to engage in competition and meet other students, faculty and staff. Everyone is welcome regardless of your skill level. For more information on Intramural Sports visit www.imleagues.com/aum or call 334-244-3933.

Auburn Montgomery Alumni Association

The Auburn Montgomery Alumni Association was established in 1979. When you join, you are in good company. You are part of a group of friends and family who play a vital role in making Auburn Montgomery an even stronger university. The alumni association has awarded more than \$200,000 in scholarships and also funds a professorship that recognizes and helps retain dedicated, exceptional professors.

All former students, alumni and friends of the university may join the association as either an annual member for \$35 or lifetime member for \$500 (this may be paid at once or given over a five-year period). Student memberships are also available at a discounted rate. In addition to membership, your annual fund participation helps the university meet unrestricted needs, provide scholarships and enhance educational programs.

Your membership supports Auburn Montgomery and its programs, but members benefit also. Members may participate in events that bring the family closer together and also receive these advantages:

- Access to the Auburn University and Auburn Montgomery Alumni Hospitality Tent, which offers food and entertainment during the Auburn football season. The tent opens three hours prior to every home game and is free to all members.
- Job placement and résumé assistance from Auburn Montgomery Career Services.
- Access to the Auburn Montgomery library.
- Use of on campus computer labs for Internet access and software
- A \$10 discount on Continuing Education courses.
- A 10 percent discount at the Auburn Montgomery bookstore, including textbooks.
- Half-price admission to Auburn Montgomery sporting events.
- Free admission for you and a guest to Theatre AUM productions.
- Opportunity to join the Wellness Center
- The opportunity to carry Bank of America's Auburn Montgomery Affinity credit card, which generates funds for association programs.

For further information regarding the alumni association, call the Office of Advancement, 334-244-3369, email them at alumni@aum.edu or visit <http://www.aum.edu/alumni/alumni-home>.

Student Email Policy

At Auburn Montgomery, email is considered an official medium for communicating with students. All students are responsible for checking their AUM-issued email accounts in a timely fashion and on a regular basis. The official email system for students is identified by username@aum.edu and can be accessed via the AUM website.

University Academic Regulations and Procedures

Students must comply with regulations and follow procedures prescribed by the university. Regulations relating to registration, class attendance, grading system, examinations, degree requirements, honors and other academic matters are presented in the following pages. It is the student's responsibility to comply with his or her specific program requirements.

The university reserves the right to change or modify the curriculum, admission standards, course content, degree requirements, regulations, tuition or fees at any time without prior notice. Specific academic programs might have additional requirements for admission; this could include additional testing. The information in this catalog is not to be regarded as creating a binding contract between the student and the university.

Catalog of Concern

A student will be bound by the program requirements published in the catalog in effect at the time of the student's first registration at the university and in consideration of the student's valid admission to a program unless:

1. The student has not attended AUM for a period of one calendar year, in which case the catalog in effect at the time of the student's return and registration will be the catalog of concern;
2. The university changes program requirements while the student is attending, in which case the student will be given the option of choosing either the program requirements of the initial catalog of concern or those of the new program;
3. The student decides to change program and/or major, in which case the catalog in effect at the time of the change will be the catalog of concern.

Administrative Holds

A student may be denied the opportunity to register or make a schedule adjustment, use university facilities or be issued an official transcript, statement of credits or diploma if he or she has been identified as having significant academic deficiency, is in default or is identified as being in default on any payment, has not submitted required documents, has not met Discipline Committee sanctions or is otherwise in default by virtue of fees or property owed to the university or any of its schools or divisions. Administrative holds may be placed on a student by units such as the Provost Office, Admissions, Bookstore, Student Accounts, Financial Aid, Housing, Library, Registrar or Campus Police.

Credit Hour Policy

Auburn University at Montgomery defines one credit hour as the unit of work that includes no less than one 50-minute period of classroom or direct faculty instruction and completion of assignments that typically requires 2 to 2.5 hours of out-of-class student work each week for approximately fifteen weeks for one semester (or the equivalent amount of work over a different amount of time). AUM expects that for each credit hour awarded, an appropriately prepared student will complete an average of 3-3.5 hours of academic work per week over the length of a 15-week semester. The same general expectation of student work exists for credits awarded for practica, internships, activity courses, laboratory experiences, and distance learning courses, although there will be variations to accommodate differences among academic disciplines.

Course Numbering System

The "Course Number" is the four-digit number for a specified course. Each course number must follow the Course Numbering System detailed below.

XXXX 1st Digit – This digit is used to designate the level of the course.

- 0XXX Developmental/Remedial – Non-college level
- 1XXX Undergraduate level courses primarily for freshman
- 2XXX Undergraduate level courses primarily for sophomores
- 3XXX Undergraduate level courses primarily for juniors
- 4XXX Undergraduate level courses primarily for seniors
- 5XXX Undergraduate level courses primarily for seniors/graduates
- 6XXX Graduate level courses
- 7XXX Graduate level courses
- 8XXX Graduate level courses

XXXX 2nd and 3rd Digits – These two digits are generally available for departments and schools to assign to courses. The following range of numbers restricted for use for common University courses.

- X89X – Elective Credit for transfer courses for which AUM does not have equivalent courses
- X90X – Independent Study (A course that is designed to be taught to an individual as a part of their degree requirements, outside the classroom setting, usually broad in scope, and content determined by the faculty member. The independent study is also used in lieu of a regularly scheduled base course when scheduling conflicts impair a student’s timely graduation.)
- X91X – Practicum, Preceptorship
- X92X – Internship
- X93X – Directed Studies (On Campus)
- X94X – Directed Field Experience (Field Studies away from campus)
- X95X – Seminar/Colloquium
- X96X – Readings
- X97X – Special Problems/Special Topics (A course that is designed to be taught to an individual as part of their degree requirements, in or out of the classroom setting; courses are normally narrow in scope and focus on a particular area of course content.)
- X98X – Non-Thesis Project/Comprehensive Examinations
- X99X – Research, Thesis, and Dissertation

XXXX 4th Digit – This digit designates the type of the course.

- XXX0 – Base/Lecture Courses
- XXX1 – Lab Supplement for Base/Lecture Courses
- XXX2 – Performance Courses (Courses in which the student is the primary participant/presenter based on Instructor direction/guidance. Types of courses in this category include, but are not limited to, problem, recitation, studio, design, performance, and comprehensive examinations.)
- XXX3 – Combination, Lab/Lecture Courses
- XXX4 – Structured Application Courses (Courses, required or optional, that are designed to be applications in a workplace environment.)
- XXX5 – Non-Thesis Project
- XXX6 – No Designation
- XXX7 – Honors Course
- XXX8 – Honors Laboratory Course
- XXX9 – Elective Credit for transfer courses for which AUM does not have equivalent courses

Student Conduct

Each student, by act of registration, agrees to conform to all rules and regulations of the university. Students are expected to conduct themselves as good citizens by obeying the laws of the United States, the State of Alabama, the City of Montgomery and the university. Enrollment as a student in no way exempts any person from penalty in case of violation of local, state or national laws. The Student Discipline Code can be found in the AUM student handbook.

Academic Honesty Code

Students are expected to maintain academic honesty and integrity in all work pursued at AUM. Students should not condone violations of academic honesty and should act in a manner to prevent opportunities for violations. The complete Academic Honesty Code is located in the Student Handbook located at <https://www.aum.edu/current-students/student-handbook>

Violations of the Academic Honesty Code are defined as:

1. The possession, receipt or use of any material or assistance not authorized in the preparation of any essay, laboratory report, examination or class assignment, to be submitted for credit as a part of a course or to be submitted in fulfillment of a university requirement;
2. The possession, receipt or use of unauthorized material while an exam or quiz is in progress;
3. Knowingly giving unauthorized assistance to another person during an examination or other graded or credit activities;
4. Selling, giving, lending or otherwise furnishing to any other person any unauthorized material which can be shown to contain the questions or answers to any examination scheduled to be given at some subsequent date in any course of study, excluding questions and answers from tests previously administered and returned to a student by the instructor;
5. The submission of themes, essays, term papers, design projects, theses and dissertations, similar requirements, or parts thereof, that are not the work of the student submitting them. In the case of a graduate thesis or dissertation, submission is defined as the time at which the first complete draft of such is submitted to the major professor for review. Plagiarism is a violation of this Code. When the ideas of another are incorporated into a paper, they must be appropriately acknowledged. In starkest terms, plagiarism is stealing—using the words or ideas of another as if they were one’s own. For example, if another person’s complete sentence, syntax, key words or the specific or unique ideas and information are used, one must give that person credit through proper documentation or recognition, as through the use of footnotes;
6. Altering or attempting to alter an assigned grade on any official Auburn University at Montgomery record. This violation may also be subject to review and action by the Committee on Discipline;
7. An instructor may delineate in advance and in writing other actions he or she considers a violation of the code. For example, the instructor may consider dishonest or unethical the submission of papers substantially the same in content for credit in more than one course, unless specific permission has been given in advance. Actions so delineated must be reasonable and in the spirit of the Student Academic Honesty Code;
8. Altering or misusing a document (e.g., university forms, physician’s excuse) for academic purposes. This violation may also be subject to review and action by the Committee on Discipline;
9. Knowingly submitting a paper, report, examination or any class assignment which has been altered or corrected, in part or in whole, for reevaluation or re-grading without the consent of the instructor;
10. Serving as or enlisting the assistance of another as a substitute in the taking of examinations.

Presenting false data or intentionally misrepresenting one’s record for admission, registration, graduation or withdrawal from the university or from a university course is also considered a violation of the Academic Honesty Code. Any instances in violation of academic honesty shall be processed in accordance with the procedures outlined in the AUM student handbook under the title “Academic Honesty Code.”

UNIV

The purpose of the UNIV course is to provide new AUM students with opportunities to successfully transition into college, both academically and personally. UNIV is designed to support students as they foster a connection of belonging at AUM, as well as the skills needed to engage with their curriculum in manners that promote academic advancement and persistence through graduation. Specifically, the course will orient students to academic expectations associated with University study, introduce students to AUM services in place to support their academic success, guide the students through professional, academic, and personal goal-setting processes, and provide students with a peer cohort with which they experience their first semester.

All new undergraduate students are required to successfully complete UNIV 1000, 1004, or 1007 depending upon admission status, within the first academic year that the student attends AUM unless they are a:

- freshman transfer student who has passed a comparable course with a "D" or higher or
- transfer student with a standing of sophomore or higher.

In order to continue enrollment in AUM courses beyond the freshman status, students must have successfully completed UNIV 1000, 1004, or 1007 by earning the grade of a "D" or better. UNIV 1004 students should refer to the AUM Bridge policy regarding program-specific requirements. UNIV 1007 students should refer to the University Honors Program regarding program-specific requirements. Any exceptions to the aforementioned policy must be approved through the Provost's Office.

Experiential Education and Engagement Center (EEEC)

The Experiential Education and Engagement Center (EEEC) is an on-campus resource that works to find new experiential learning opportunities for students, with a primary focus on service learning, undergraduate research, and internships. We are supported by a Title III ("Strengthening Institutions") grant from the U.S. Department of Education with the purpose of increasing student retention, persistence, and graduation by enhancing opportunities for students to make connections with peers, faculty, the campus, and the community through experiential learning. In collaboration with the UNIV Student Success Program, the EEEEC sponsors Mentor Collective, an initiative for freshmen and transfer students through which each new student is matched with a student mentor who can guide the mentee through first-year challenges. Further support is offered through peer mentors embedded within core courses. Experienced students may apply to be a paid peer mentor in a course in which they have previously excelled to help other students succeed in that course. For more information about peer mentoring or any of the EEEEC's sponsored initiatives, please email eeec@aum.edu, stop by the EEEEC office (114 Administration Building), or check us out on the web: <http://www.aum.edu/eeec>.

AUM Core Curriculum

Purpose

The AUM Core Curriculum component of the undergraduate curriculum is designed to develop a shared experience of knowledge, skills, and values for all undergraduate students at the University. Because these courses are generally taken within the first two years at the University, the Core Curriculum also provides an opportunity for students to explore the concepts within the humanities, sciences and mathematics, and the social sciences.

Goals

Through their core curriculum courses, students will develop competencies in the areas of:

- Communication;
- Critical Thinking;
- Quantitative Reasoning; and,
- Intercultural Knowledge.

These four broad General Education Goals are associated with six specific student learning outcomes. Each course approved for the Core Curriculum focuses on helping students build the skills associated with at least one specific Student Learning Outcome (SLO).

The approved Core courses are listed below, grouped by the General Education Student Learning Outcome they address. Courses ending in "7" are Honors courses.

1. Students will be able to formulate and support an assertion and organize major ideas to defend that assertion in written form. (SLO1)

ANTH 2110, COMM 2100, ENGL 1010, ENGL 1020, ENGL 2530, ENGL 2540, ENGL 2570, ENGL 2580, ENGL 2600, ENGL 2610, GEOG 2050, GEOG 2150, HIST 1010, HIST 1020, HIST 1060, HIST 1070,

HIST 1080, HIST 1090, HONR 1757, HONR 1857, HONR 2757, PHIL 2000, PHIL 2010, PHIL 2100, POLS 1020, POLS 1200, PSYC 1000, RELI 2010, SOCI 2000, SOCI 2010, ARTH 2030, ARTH 2040

2. Students will be able to formulate and support an assertion and organize major ideas to defend that assertion in oral form. (SLO2)
 COMM 1010, COMM 1017, COMM 2212, ENGL 1020, HONR 1757, HONR 1857, HONR 2757, POLS 1020
3. Students will be able to clarify, analyze, evaluate, and extend arguments. (SLO3)
 ANTH 2110, COMM 2100, ECON 2000, ECON 2010, ECON 2017, ECON 2020, ECON 2027, ENGL 1010, ENGL 1020, ENGL 2530, ENGL 2540, ENGL 2570, ENGL 2580, ENGL 2600, ENGL 2610, GEOG 2050, GEOG 2150, HIST 1010, HIST 1020, HIST 1060, HIST 1070, HIST 1080, HIST 1090, HONR 1757, HONR 1857, HONR 2757, JUST 1270, MATH 1020, MATH 1050, MATH 1100, MATH 1120, MATH 1150, MATH 1610, MATH 1620, MATH 2630, MATH 2660, PHIL 2000, PHIL 2010, PHIL 2030, PHIL 2100, POLS 1020, POLS 1200, PSYC 1000, RELI 2010, SOCI 2000, SOCI 2010, STAT 2670
4. Students will be able to understand and apply methods and issues of science (SLO4)
 BIOL 1000/1001, BIOL 1010/1011, BIOL 1017/1018, BIOL 1020/1021, BIOL 1027/1028, BIOL 1050/1051, BIOL 2010/2011, BIOL 2100/2101, BIOL 2093, CHEM 1100/1101, CHEM 1200/1201, PHYS 2100/2101, PHYS 2200/2201, PSCI 1100/1101, PSCI 1300/1301, PSCI 1400/1401, PSCI 1500/1501
5. Students will be able to use quantitative reasoning to solve mathematical problems. (SLO5)
 ECON 2000, ECON 2010, ECON 2017, ECON 2020, ECON 2027, MATH 1020, MATH 1050, MATH 1100, MATH 1120, MATH 1150, MATH 1610, MATH 1620, MATH 2630, MATH 2660, PSYC 1000, STAT 2670
6. Students will be able to demonstrate an understanding of aesthetic, historical, philosophical, and ethical issues of diverse communities (SLO6)
 ANTH 2110, COMM 2100, ENGL 2570, ENGL 2580, ENGL 2600, ENGL 2610, FREN 1010, FREN 1020, FREN 2010, FREN 2020, GEOG 2050, GEOG 2150, GERM 1010, GERM 1020, HIST 1010, HIST 1020, HIST 1060, HIST 1070, HIST 1080, HIST 1090, HONR 1757, HONR 1857, HONR 2757, MATH 1020, MUSI 2110, PHIL 2000, PHIL 2010, PHIL 2030, PHIL 2100, PSYC 1000, RELI 2010, SOCI 2000, SOCI 2010, SPAN 1010, SPAN 1020, SPAN 2010, SPAN 2020, THEA 2040, VISU 1000, ARTH 2030, ARTH 2040, VISU 2600

Students must also satisfy Core requirements in terms of broad academic areas. Approved Core courses are grouped by four required academic areas:

AUM Core Curriculum Requirements	Semester Hours
Area I. Written Composition (ENGL 1010 and ENGL 1020) ¹	6
Area II. Humanities and Fine Arts	12
Literature ² - minimum of 3 semester hours	
Fine Arts ³ - minimum of 3 semester hours	
Humanities and Fine Arts Elective(s)	
Area III. Natural Sciences and Mathematics	11
Natural Sciences ⁴ - minimum of 8 semester hours	
Mathematics ⁵ – minimum of 3 semester hours	
Area IV. History, Social Sciences and Behavioral Sciences	12
History ⁶ – minimum of 3 semester hours	
History, Social Science and Behavioral Science Electives	
Area V. Determined by Major and Degree Requirements ⁷	23

¹ A grade of C or better must be earned in each class. Students in the University Honors Program must earn a B or higher in Honors courses.

² One mandatory literature course. Students must complete a 6 semester hour sequence either in literature or in history. If two literature courses are taken in a sequence, then only one history course is required (Minimum of 12 semester hours required in Area II.)

³ One mandatory fine arts course selected from the following: Art Appreciation or Art History, Architecture Appreciation, Music Appreciation, or Theatre Appreciation.

⁴ Each course must include a lab.

⁵ MATH 1020, MATH 1050, MATH 1100, MATH 1120, MATH 1150, MATH 1610, MATH 1620, MATH 2630, MATH 2660, or STAT 2670

⁶ One mandatory history course. Students must complete a 6-semester hour sequence either in literature or in history. If two history courses are taken in a sequence, then only one literature course is required. (Minimum of 12 semester hours required in Area IV.)

⁷ Computer literacy: one semester hour minimum or by challenge, handled in the major.

AUM Core Courses

The courses can be used to fulfill the AUM Core Curriculum requirements. Students should check with their advisor for other courses that may have been approved after the publication of this catalog.

Area I: Written Composition (6 Total Hours)

Semester Hours

ENGL 1010 English Composition.....	3
ENGL 1020 English Composition II.....	3
HONR 1757 Honors Freshman Seminar.....	3
HONR 1857 Honors Freshman Seminar.....	3

Area II. Humanities and Fine Arts

CHIN 1010 Elementary Mandarin Chinese I.....	4
CHIN 1020 Elementary Mandarin Chinese II.....	4
COMM 1010 Introduction to Human Communication.....	3
COMM 1017 Introduction to Human Communication, Honors.....	3
COMM 2100 Media and Culture.....	3
COMM 2212 Public Speaking.....	3
ENGL 2530 Survey of English Literature I.....	3
ENGL 2540 Survey of English Literature II.....	3
ENGL 2570 Survey of American Literature I.....	3
ENGL 2580 Survey of American Literature II.....	3
ENGL 2600 Survey of World Literature I.....	3
ENGL 2610 Survey of World Literature II.....	3
FREN 1010 Elementary French I.....	4
FREN 1020 Elementary French II.....	4
FREN 2010 Intermediate French I.....	4
FREN 2020 Intermediate French II.....	4
GERM 1010 Elementary German I.....	4
GERM 1020 Elementary German II.....	4
GERM 2010 Intermediate German I.....	4
GERM 2020 Intermediate German II.....	4
HONR 1957 Honors Colloquium.....	1,1,1
HONR 2757 UHP Seminar.....	3
HONR 3757 UHP Seminar.....	3
LATN 1010 Elementary Latin I.....	4
LATN 1020 Elementary Latin II.....	4
MUSI 2110 Music Appreciation ¹	3
PHIL 2000 Reasoning and Critical Thinking.....	3
PHIL 2010 Introduction to Philosophy.....	3
PHIL 2100 Applied Ethics.....	3
RELI 2010 Introduction to World Religions.....	3
SPAN 1010 Elementary Spanish I.....	4
SPAN 1020 Elementary Spanish II.....	4
SPAN 2010 Intermediate Spanish I.....	4
SPAN 2020 Intermediate Spanish II.....	4

THEA 2040 Theatre Appreciation	3
VISU 1000 Introduction to the Visual Arts ¹	3
ARTH 2030 Art History I ¹	3
ARTH 2040 ArtHistory II ¹	3
VISU 2600 Introduction toWorld Architecture ¹	3
Area III. Natural Sciences and Mathematics	
BIOL 1000/1001 Introduction to Biology/Lab	4
BIOL 1010/1011 Cellular and Molecular Basis of Life/Lab	4
BIOL 1017/1018 Cellular and Molecular Basis of Life/Lab, Honors	4
BIOL 1020/1021 Organisms, Adaptations, and the Environment/Lab	4
BIOL 1027/1028 Organisms, Adaptations, and the Environment/Lab, Honors	4
BIOL 1050/1051 Introduction toEnvironmental Biology/Lab	4
BIOL 2093 Essentials of Anatomy and Physiology/Lab	4
BIOL 2010/2011 Fundamentals of Microbiology/Lab	4
BIOL 2100/2101 Anatomy and Physiology ¹ / Lab	4
CHEM 1100/1101 GeneralChemistry I/Lab	4
CHEM 1200/1201 GeneralChemistry II/Lab	4
MATH 1020 Contemporary Math	3
MATH 1050 College Algebra	3
MATH 1100 Finite Mathematics	3
MATH 1120 Precalculus Algebra	3
MATH 1150 Precalculus Algebra and Trigonometry	4
MATH 1610 Calculus I	4
MATH 1620 Calculus II	4
MATH 2630 Multivariable Calculus	4
MATH 2660 Linear Algebra	3
STAT 2670 Elementary Statistics	3
PHIL 2030 Logic	3
PHYS 2100/2101 General Physics I/Lab	4
PHYS 2200/2201 General Physics II/Lab	4
PSCI 1100/1101 Introduction to Physical Science/Lab	4
PSCI 1300/1301 Introduction to Earth Science	4
PSCI 1400/1401 Introduction to Astronomy/Lab	4
PSCI 1500/1501 Introduction to Chemistry/Lab	4
Area IV. History, Social Sciences and Behavioral Sciences	
ANTH 2110 Cultural Anthropology	3
ECON 2000 Essentials of Economics	3
ECON 2010 Economics I (Micro)	3
ECON 2017 Economics I (Micro), Honors	3
ECON 2020 Economics II (Macro)	3
ECON 2027 Economics II (Macro), Honors	3
GEOG 2050 Geography ofWorld Regions	3
GEOG 2150 Human Geography	3
HIST 1010 World History I to 1648	3
HIST 1017 World History I to 1648, Honors	3
HIST 1020 World History II Since 1648	3
HIST 1027 World History II Since 1648, Honors	3
HIST 1060 History of the Western World I	3
HIST 1070 History of the Western World II	3
HIST 1080 U.S. History to 1865	3
HIST 1090 U.S. History Since 1865	3
HONR 1957 Honors Colloquium	1,1,1
HONR 2757 UHP Seminar	3

HONR 3757 UHP Seminar	3
INTL2050 Geography of World Regions.....	3
INTL 2110 Cultural Anthropology.....	3
INTL 2150 Human Geography	3
JUST 1270 Introduction to the American Legal System.....	3
POLS 1020 Introduction to American Politics.....	3
POLS 1200 International Relations.....	3
PSYC 1000 General Introductory Psychology.....	3
PSYC 2780 Human Growth & Development	3
SOCI 2000 Introduction to Sociology	3
SOCI 2007 Introduction to Sociology, Honors	3
SOCI 2010 Social Problems	3

¹ *Approved Fine Arts course.*

English Composition Grade Requirement

Correct English usage is expected of all students in both their oral and written work. Instructors in all curricula are directed to insist on clear, effective and grammatically accurate speaking and writing in all class work. A grade of C or higher in both of the required English composition courses is necessary for enrollment in any other English courses, as well as for graduation.

English Composition Placement

You must take the AUM English Placement Test only if you have not taken the ACT or SAT in the last three years. All other students' English placement will be decided based on their ACT or SAT score.

If you scored 18 or higher on the English portion of the ACT (or 450 or higher on the critical reading portion of the SAT) in the last three years, you will be placed in English Composition I (ENGL 1010). If you scored lower, you will be placed in Introduction to Composition (ENGL 0103) but are permitted to take the Placement Test to determine preparedness for ENGL 1010.

For more information, refer to <https://www.aum.edu/placement-testing> or email Ms. Tara Edwards at twoods11@aum.edu.

Mathematics Placement Testing

All students are placed in their first AUM math course based on their ACT (or SAT) Math sub score or ALEKS PPL score. ALEKS PPL score is valid for one year. The better result between a student's ACT/SAT Math score and a proctored ALEKS test score (before the first day of classes) will be used for placement in a first math course. Those students without a current ACT (or SAT) test score will be required to take a proctored ALEKS math placement test in a math lab or test center before being placed. Students with AP credit or college course credit may be exempt from placement testing pending review of their college transcripts.

Students with an ALEKS score below 41, or ACT Math sub score below 20 (SAT Math below 480 [before March 2016] or 530 [since March 2016]) will initially be placed in a developmental math, either MATH 0703 (Elementary Algebra) or MATH 0803 (Intermediate Algebra), for their first AUM math course. Students can also take an accelerated developmental math course MATH 0902 in lieu of MATH 0703 and MATH 0803. MATH 0902 is taught in an emporium mode, in which no traditional lecture is given, and students work in a software individually and on a self-pace. Students should talk with their advisors to determine which developmental math course best suits their academic goal. Developmental math is not-for-credit and does not count toward graduation, but one or both courses are required before being permitted to take a credit-bearing college level math course at AUM. Please refer to the current Mathematics Placement Table <https://www.aum.edu/collegeofsciences/departments/department-of-mathematics/policies-and-procedures/> for more details.

What is ALEKS PPL?

ALEKS (Assessment and LEarning in Knowledge Spaces) PPL is a placement and preparation program that enables students to refresh previously learned math skills so as to avoid being under placed in an incorrect math course. ALEKS provides an initial placement test (typically 60-90 minutes, 30 questions), then directs students through learning modules focused on remediating their individually weakest math skills. Students can then take a second placement test (proctored or practice) which, in many cases, yields an improved score. Students are allowed to take three more tests (following at least 3 hours in the learning modules each time). Practice tests and learning module work can be completed anywhere with an internet connection, but the test score used for placement must be from a proctored test. Students must wait at least 48 hours before attempting the next test.

How is ALEKS PPL offered?

The ALEKS PPL program is offered through AUM Math Boot Camps. AUM Math Boot Camp is a non-credit, web-based math placement preparation program for undergraduate Warhawk students to improve their placement in their first AUM math course or placement into an advanced mathematics course. We encourage new incoming Warhawks to complete the boot camp before a semester begins. The AUM Math Boot Camp is FREE!

Any AUM student who has not previously taken the ALEKS placement test can join the AUM Math Boot Camp. You can complete AUM Math Boot Camp online or in a math lab. Students are strongly encouraged to attend the math boot camp on campus, as we will have faculty and tutors on hand to assist you understand the materials. An on-campus math boot camp is offered in three convenient formats: students either meet three hours a day for two days a week for a period of three weeks, or three hours a day for three days a week for a period of two weeks, or three hours on Fridays only for a period of six weeks. The total amount of hours students meet on campus is 18 hours.

So How Do I Register?

You will need the following items to register:

*AUM User ID and Password

*Computer with web browser (Google Chrome is recommended)

1. Enter the following link into the browser address box:

https://secure.aleks.com/shiblogon/sso?sso_account=0118471&enroll_class_code=VKNXU-HDKTX

(Note: You may need to use Google Chrome or Microsoft Edge to access the ALEKS website.)

2. After the MyAUM screen appears, log in using your AUM user ID and password

3. Review and Accept Terms of Use (this only appears with first login)

4. Enter the course that is listed on your screen

5. Then take a short survey (only for the first time) and follow the prompts to complete registration

Note: This is how you will access your ALEKS PPL account in the future.

6. Begin working through the ALEKS modules until your instructor contacts you and provides you with the camp syllabus.

How to take a proctored ALEKS Placement Test?

There are two ways for students to take a proctored ALEKS test:

1. Students can take a proctored test with the instructor of an on-campus math boot camp.

2. Students can also schedule a proctored placement test in the math lab using AdvisorTrac. Tests occur in Taylor 310.

Students should bring the following items when taking a proctored test:

1. AUM Student ID Number (S number)

2. Photo ID

3. Pencil or pen

No external calculators are allowed in a proctored test.

General Requirements

Advising

All students are required to seek the guidance of an academic advisor before registering for courses. At their appointment, the student will be issued a PIN that will give them access to the Webster registration system. A student's major determines which advisor to which they are assigned. Newly admitted students should register for New Student Orientation in order to get connected to their academic advisor for advising and registration support. Current students should plan to meet with their academic advisor a minimum of twice a year for advising and registration, however, advisors are available year-round to answer questions and provide support.

The Office of Central Advising is located at 125 Taylor Center. Students with advising questions may call the center at 334-244-3969 or email at centraladvising@aum.edu. Advisors in this office are able to assist students with basic advising and registration-related questions or can help students locate and connect with their assigned advisor. Students must meet with the advisor assigned to them based on their major in order to receive their PIN for registration.

Students should be aware that pre-professional curricula (e.g., pre-medicine, pre-pharmacy, pre-law) are not majors. Individuals completing one of these curricula are required to declare a major (biology, chemistry, political science, etc.) at which point they can indicate their intended concentration. Academic advisors who work with students in pre-professional programs will help guide students through this process.

Unclassified or degree-seeking students who have not declared a major are advised by the Undeclared Academic Advisor. Undeclared students at AUM are required to declare a major within their first 41 semester hours of credit. Undeclared students are guided to complete core classes and are supported in the process of discerning their major. Since undeclared students will be advised without the direction of their major, all classes taken as an undeclared student may not be applicable to the major for which they declare.

It is the student's responsibility to meet with his or her assigned academic advisor prior to course registration for guidance in selecting courses that comply with his or her specific program/major requirements. In order to register for courses, students must obtain their advisor's signed approval of the courses for which they intend to register. Once the advisor gives this approval, the student can obtain personal identification numbers (PINs) that will allow him or her to register on WEBSTER, AUM's online registration system.

Although all students are required to seek the guidance of an academic advisor, it is ultimately the students' responsibility to ensure that their degree requirements are met.

Attendance

Students are expected to attend punctually every lecture, laboratory exercise and other classroom activity. Each instructor can indicate additional attendance requirements in his or her syllabus. If additional attendance requirements are posted in the syllabus, the instructor is required to monitor and inform the students of their attendance status. Attendance verification is required for the first three classes to comply with federal financial aid requirements. Instructors must also report the "last day attended" for students who stop attending class and do not complete the withdrawal process. The complete Class Attendance Policy can be found in the student handbook.

Auditing Privilege

The privilege of auditing courses is restricted. Students may audit a lecture course or the lecture part of a combined lecture and laboratory course with the approval of the dean and the head of the department in which the course is offered. The auditing privilege is rarely permitted in laboratory or combined lecture and laboratory courses. It is not permitted in studio courses in the Department of Fine Arts.

Auditors are admitted and enrolled by the Registrar's Office and are listed on class rolls, but they are not required to participate in classroom discussions, take tests or final examinations or make reports. However, regular attendance at class meetings is required. The grade of AU (Audit) is awarded to those meeting these requirements. The grade of NR (No Grade Reported) is assigned for those not meeting the attendance requirement. Auditors who are not regularly enrolled students will register on the last day of the final registration period. A fee will be charged for auditing a course. Members of the faculty and staff may audit lecture courses without payment of the auditing fee with approval of the head of the department in which the course is offered and the dean; however, the regular registration process must be completed.

Enrollment and Degree Verification

AUM contracts with the National Student Clearinghouse to serve as a third party agent in providing enrollment and degree verifications. The Clearinghouse may be contacted at 703-742-4200 or via the Web at www.studentclearinghouse.org or www.degreeverify.com. Currently enrolled students may download free enrollment verifications via WEBSTER.

Certification of Student Status

Undergraduate students are certified for enrollment and student status based upon the number of credit hours the student is taking each term (Note: All three terms — fall, spring and summer — are counted the same) and to be classified as such must be taking:

Full-time: 12 or more semester hours
Half-time: 6 - 11.99 semester hours
Less than half-time: Fewer than 6 semester hours

This certification is used for student loans, insurance, military ID cards and other types of certification. Note: For veteran certification, please see the section under Financial Aid in this catalog. If you have any questions concerning this section, please contact the Office of the Registrar at 334-244-3125.

Classification

Each undergraduate student will be classified according to the number of semester credit hours earned at AUM and other institutions as follows: freshman, 27 or fewer; sophomore, 28 to 57; junior, 58 to 87; senior, 88 or more.

Any student who has been awarded one baccalaureate degree and pursues another course of study for a second baccalaureate degree will be classified as an undergraduate student.

Students who, for reasons acceptable to the dean, do not wish to pursue a regular course of study with respect to course load or curriculum will be admitted as unclassified students.

Curriculum Transfer

A student who transfers from one curriculum, major or degree program to another must meet the degree requirements specified in the catalog in effect at the time of the transfer.

ID Card

Each student must have an AUM ID (identification) card. ID cards may be obtained through the AUM Bookstore, 334-244-3578.

Prerequisites

Course prerequisites or co-requisites are listed with the course description in the catalog. It is the responsibility of the student to know these requirements and to comply with them when registering. Any waiver of these requirements must be approved by the instructor of the course and/or the dean of the college in which the course is taught.

Restrictions

Some courses have restrictions that preclude some students from registering for these courses. For example, there are level restrictions (undergraduate or graduate); major restrictions (only certain majors are allowed to take courses); class restrictions (an example of this would be only seniors could register for a course). These are not all the restrictions. Check with your advisor prior to registering to find out if a course has a restriction.

Registration

Every student is required to be registered at AUM when taking course work of any type, including but not limited to thesis work; co-op; making up an incomplete grade; auditing; or when use is made of the instructional staff and/or facilities of the university.

A student is considered registered when his or her class schedule is entered into the BANNER system. A student is responsible for all tuition and fees at this point. If a student wishes to withdraw or resign from all or any of the courses, he or she must follow the procedures for resignation/withdrawal identified in this catalog.

Schedule Adjustment

Add: A student may add a course prior to the second meeting of the class for full-term and half-term classes. After these periods, no student may register for a class except by permission of the head of the department or dean of the school in which the class is taught.

Resignation: Resignation occurs when a student decides to withdraw from all courses for which he or she is registered. If a student resigns prior to the day identified as the fifth day of classes (for the full term) or the second day of classes (for a half term), the courses will be deleted from the transcript. Resignation from classes after these dates will result in a student receiving a grade of W (Withdrawal).

The deadline for withdrawing/resigning from a course is specified on the student registration system WEBSTER and in the academic calendar. In order to withdraw before the deadline, a student must complete the process in the school of his or her major/advisor. After the last day for refunds, a grade of W will be recorded on the student's official academic record.

Late Withdrawal/Medical Withdrawal

When a student, as a result of exceptional or emergency circumstances, is forced to withdraw from a course after the withdrawal date for the term, he or she may petition, in writing, to the Office of the Provost. The request should be addressed to the Associate Provost for Undergraduate Studies and must include a completed Withdrawal Authorization Form, supporting documentation of the exceptional or emergency circumstances, and the date the student was last able to attend class.

Student Load

A typical semester load for full-time students is 12 to 15 hours. Fully admitted students may schedule up to 18 hours in one semester, but must receive written permission from the dean of the school of their major to schedule more. Conditionally admitted students can schedule no more than 12-13 hours per semester.

Examinations and Grades

Examinations

Examinations are classified as final examinations, which occur at the end of each term, special examinations and other course examinations as determined by the instructor. A student absent from an examination for any reason other than personal illness must obtain the permission of the instructor prior to the absence in order to take the examination at a later time. Grades in all subjects are reported to the student at the end of each term, through WEBSTER.

Multiple Exams Policy

The possibility exists for a student to be scheduled to take three final examinations on the same day. This may place an undue burden on the student. Therefore, the Office of the Provost and the deans have instituted the following policy:

- If a student has been scheduled for more than two final exams in one day, the student can ask his or her instructor to reschedule the middle exam to another day. The instructor may reschedule the exam taken with another section or class the instructor is teaching.
- The exam must be completed during the final exam week. The request must be submitted in writing to the instructor prior to the 12th week of the semester to allow for the reschedule.
- The authority to reschedule the exam rests with the instructor.
- If the instructor whose exam falls in the middle cannot make alternative arrangements, the student may go to one of the other instructors to reschedule a final exam.
- If the student is graduating at the end of the term when this policy is applied, then the exam would have to be administered, graded and the final grade turned into the Registrar's Office prior to the deadline to turn in the graduating student's grades.

Grading System

Final grades are assigned as follows: A, B+, B, C+, C, D+, D, D*, F, F*, F**, FA*, FA**, FAN, S, U, CR, NC, P, I, IP, W, AU and NR. The following explanations and grade points apply:

- A = Passing and 4 quality points per hour attempted.
- B+ = Passing and 3.33 quality points per hour attempted*.
- B = Passing and 3 quality points per hour attempted.
- C+ = Passing and 2.33 quality points per hour attempted*.
- C = Passing and 2 quality points per hour attempted.
- D+ = Passing and 1.33 quality points per hour attempted*.
- D = Passing and 1 quality point per hour attempted.
- D* = Grade has been replaced, not counted in GPA (see Grade Adjustment Policy).
- F = Failure and 0 quality points per hour attempted.
- F* = Grade has been replaced, not counted in GPA (see Grade Adjustment Policy).
- F** = Grade has been replaced, not counted in GPA (see Repeat-to-Replace Policy).
- FA = Failure due to absence and 0 quality points per hour attempted. FAN= Failure to attend developmental courses (not counted in GPA).
- FA* = Grade has been replaced, not counted in GPA (see Grade Adjustment Policy).
- FA** = Grade has been replaced, not counted in GPA (see Repeat-to-Replace Policy)
- S = Passing and 0 quality points, but the hours attempted are not included in grade point average determinations.
- U = Failure and 0 quality points, but the hours attempted are not included in grade point average determinations.
- CR = Passing for developmental course work and 0 quality points, but the hours attempted are not included in grade point determinations.
- NC = Failure for developmental course work and 0 quality points, but the hours attempted are not included in grade point determinations.
- P = Passing for nontraditional course work and 0 quality points, but the hours attempted are not included in grade point determinations.
- I = Incomplete and 0 quality points per hour attempted until resolution and a final grade is assigned. A one-year statute of limitations exists for grade changes.
- IP = In progress and 0 quality points, but the hours attempted are not included in grade point determinations. This grade is used only for AUM courses currently in progress, courses for which the student has preregistered and for students who have cross-enrolled at another institution but the final grades have not yet been received.
- W = Withdrawal and 0 quality points, but the hours attempted are not included in grade point average determinations.
- AU = Audit with 0 quality points and 0 hours attempted.

NR = No grade reported (administrative procedure) and also used for audit students not meeting the attendance requirement.

**Effective Fall 2020*

The grade of incomplete is not a right exercised by the student. It can be assigned only at the discretion of the instructor and may occur when the quality of work has been of passing grade, but the student has been prevented by illness or other justifiable cause from completing the work required prior to or including the final examination. It is recommended that a contract be developed between the instructor and the student to specify the terms for clearing the grade of Incomplete. Grades of Incomplete not cleared within one calendar year shall be changed to F by the registrar unless an extension is approved by the instructor and the dean and the registrar is so notified.

A student must be registered at the university during the semester in which an Incomplete grade is being resolved. The student should not register for that course again on a credit basis (but can register for it on an audit basis). If the student is not registered for any other courses during the semester of resolution of the Incomplete, the student should register for REGL 1110, "For Registration Only."

Students will not be permitted to graduate with Incomplete grades. These will be changed to F.

There is a time limit of one calendar year from the last day of the semester in which a grade was assigned for any changes in course grades. Grades assigned prior to the awarding of a degree cannot be changed after the degree has been awarded.

Appeal of Grades

Individual course instructors have the responsibility for assigning grades. Students wishing to appeal a grade should follow the procedure listed below.

The student must initiate the procedure in writing to the appropriate department head by the fifth week after the grade was filed in the Office of the Registrar.

1. Prior to appealing the grade, the student should meet with the instructor to discuss the matter.
2. If, after meeting with the instructor, the student wishes to appeal the grade, the student must prepare a letter to the department head of the instructor outlining reasons for the appeal and providing all relevant evidence. This letter and any supporting documentation must present all the facts the student wishes to make known concerning this matter. The letter should also include the student's mailing address and phone number.
3. The department head will organize a meeting between the student and instructor in order to seek a resolution to the dispute. If no resolution is found and the student wishes to continue the appeal process, the department head will form a departmental grievance committee and provide the committee with all relevant materials. After review of all materials, the committee will make a recommendation to the department head to raise, lower or leave the grade intact. The department head will inform both the instructor and student of his or her decision within three weeks of receipt of the student's letter.
4. Either the instructor or student may appeal the department head's decision within one week of receiving it.
5. A written appeal should be made to the dean within 10 working days of receiving the department head's decision. The dean will review the case and inform the parties of his or her recommendation within three weeks of receiving the appeal.
6. Individual course instructors have the responsibility for making the grade change determined by the appeals process.
7. The appeal will end at the Dean of College.

Grade Adjustment Policies

AUM has implemented the following grade adjustment policies for all currently enrolled, fully admitted undergraduate students: Grade Forgiveness and Repeat-to-Replace. Former students are not eligible for Grade Forgiveness or Repeat-to-Replace. Students should note that all grades will remain on their academic transcripts and be used for determining all academic honors.

Grade Forgiveness

AUM undergraduate students may request a maximum of three undergraduate course grades of D, F, or FA be excluded from the computation of their AUM grade point average. Grade Forgiveness can only be applied towards grades and credits earned at AUM. Transfer grades and credits are excluded from this policy. Grades and credits that are a result of academic violation are also excluded from this policy.

Guidelines:

- Policy applies to grades of D, F, and FA earned in AUM for-credit courses.
- All courses for which a grade is awarded will remain on the transcript with a notation that the grade has been excluded from the earned hours and AUM grade point average.
- If Grade Forgiveness is approved for a required course, the student must repeat the course at AUM before graduation.
- Where a specific course is required for the core or major, the same course must be repeated to replace the excluded grade. Courses covered by the policy that are needed to meet core area or elective course requirements within a major, may be replaced by any course accepted for that requirement (where applicable) if approved by the academic dean.
- Students may submit a written request for Grade Forgiveness to their academic dean's office at any time prior to graduation. Grade Forgiveness is not available to students who have graduated.
- Grades that have been excluded from the GPA calculation through Grade Forgiveness will be factored back into the GPA when determining graduation honors.
- Grade Forgiveness cannot be used for grades of F earned as a result of academic violation.
- Once a request for Grade Forgiveness has been granted and that grade has been excluded from the calculation of the AUM grade point average, the grade and credit cannot be restored.

Repeat-to-Replace Policy

AUM undergraduate students who retake undergraduate courses and earn a higher grade will have the previous grades excluded from their AUM grade point average under the Repeat-to-Replace policy.

Students are strongly encouraged to consult with an academic advisor to determine the potential impact of repeating a course on their financial aid, VA benefits, insurance, entrance to professional schools, participation in athletics, immigration status, and other matters.

Guidelines:

- Policy applies to grades of F or FA earned in AUM for-credit courses.
- The original and repeated courses remain on the academic transcript. The higher of the two grades for the repeated course will be included in the GPA and earned hours; the lower grade will be excluded from the GPA and earned hours.
- If the student earns the same grade in the repeated course, the grade from the original and repeated course will remain in the calculation of the student's GPA; students will not earn credit for the repeated course.
- Currently enrolled students or those seeking reinstatement are eligible for the repeat-to-replace policy. Repeat-to-Replace is not available to students who have graduated.

- Grades that have been excluded from the GPA calculation through the Repeat-to-Replace policy will be factored back into the GPA when determining graduation honors.
- The Repeat-to-Replace policy cannot be used for grades of F earned as a result of academic violation.

Grade-Point Average

AUM operates on a four-point system, where the number of grade points is divided by the number of hours attempted (less hours in which a grade of S, U, CR, NC, FAN, P or IP is issued).

Good Standing

Students must have a 2.00 grade point average (both at AUM and their cumulative GPA) to be in good standing academically at AUM. The conditional classification does not constitute good standing.

Continued Status

A student who falls below the criteria for good standing but who is not on academic probation or suspension will be allowed to continue at AUM in continued status.

Dean's List

A full-time undergraduate student (minimum of 12 semester hours not including developmental course work) passing all credit work carried during a semester and attaining a grade-point average of 3.5 for the semester may be designated a Dean's List student for that semester. Undergraduate students who are named to the Dean's List are invited to participate in the AUM Honors Program. See University Honors Program for details. These academic honors will be made a part of the student's permanent record.

Academic Eligibility

AUM may place a student on probation or suspension at any time if he or she neglects academic work or makes unsatisfactory progress toward graduation, as defined by the following categories.

Academic Probation

A student will be placed on academic probation whenever his or her cumulative grade-point average at AUM is less than the grade-point average identified below for the applicable level of cumulative graded hours:

<u>Cumulative Graded Hours¹</u>	<u>AUM GPA²</u>
0 - 27	GPA is less than 1.43
28 - 57	GPA is less than 1.73
58 - 87	GPA is less than 1.81
More than 87	GPA is less than 1.87

¹ Cumulative graded hours include hours attempted at AUM and attempted hours transferred from any other institution(s).

² Only the institution GPA earned at AUM is used to determine the probation and suspension status (regardless of what the overall GPA may be for transfer students).

No entering freshman or transfer student will be placed on probation at the conclusion of his or her first semester's work.

Clearing Probation

A student may clear probation by elevating the cumulative grade point average at AUM to equal to or greater than those identified above for the applicable class level. Credits and grades earned at another institution may not be used to clear probation.

Academic Suspension

A student will be placed on academic suspension whenever his or her cumulative grade point average at AUM is less than the grade point average identified below for the applicable level of cumulative graded hours:

Cumulative Graded Hours¹

0 - 27

28 - 57

58 - 87

More than 87

AUM GPA²

GPA is less than 1.00

GPA is less than 1.52

GPA is less than 1.61

GPA is less than 1.76

¹ Cumulative graded hours include hours attempted at AUM and attempted hours transferred from any other institution(s).

² Only the institution GPA earned at AUM is used to determine the probation and suspension status (regardless of what the overall GPA may be for transfer students).

A student will be suspended only if he or she was on academic probation the previously enrolled term. A student will not be placed on academic suspension at the end of a semester in which a 2.00 (C) average was earned but will be continued on academic probation. The first academic suspension will be for a period of one semester, summer term being counted as any other term. A student will be readmitted (by AUM's Office of the Registrar) on academic probation following the expiration of the academic suspension. No credit earned at another institution by a student on suspension from AUM will be used in clearing a suspension or in meeting requirements for an AUM degree.

Indefinite Suspension

A student who returns to AUM on academic probation after an academic suspension will be placed on indefinite suspension whenever his or her cumulative grade point average at AUM is less than the grade point average identified above (under the heading Academic Suspension) for the applicable class level. A student will not be placed on indefinite suspension at the end of a semester in which a 2.00 (C) average is earned but will be continued on academic probation. Indefinite suspension will be for a period of at least two terms (more than two terms if there are multiple indefinite suspensions), summer being counted as any other term. The student may be readmitted only after submitting a petition for readmission to the associate provost for undergraduate studies and interviewing with the Readmission Committee by providing adequate evidence of the student's ability, maturity and motivation.

No credit earned at another institution by a student on indefinite suspension from AUM will be used in clearing a suspension or in meeting requirements for an AUM degree.

Note: If a final academic or indefinite suspension decision cannot be made because of deferred grades or the resolution of Incomplete or In Progress grades, the student will be suspended but permitted to register for the next semester on a conditional basis. All deferred grades and resolutions of Incomplete and In Progress grades that may affect the suspension consideration must be resolved within two weeks of the beginning of the semester for which the conditional approval to register was granted. If the deferred grades and/or resolutions of Incomplete and In Progress grades are not recorded in the Office of the Registrar within the first two weeks or the grades are not of sufficient quality to override the suspension criteria, the student will be suspended and dis-enrolled from the university.

Residence Requirement

At least 25 percent of the total semester hours required for graduation must be taken at AUM. Generally, these hours must be taken in the student's final year unless the dean approves credits (up to a maximum of 9 hours) earned elsewhere during the final year. In any case, the residence requirement of 25 percent of the total semester hours at AUM must be met.

Graduation and Degree Requirements

Applying for Graduation

AUM students nearing completion of degree requirements must apply for graduation no later than the third week of the term in which they intend to graduate. Application may be made online by going to the AUM

website (www.aum.edu). The graduation fee will be billed to the student's account. University regulations require that all degree candidates be enrolled during the semester of graduation.

If a student fails to graduate in the semester for which application is made, the applicant must reapply to graduate in a subsequent semester. (The graduation fee will be retained by AUM and applied to the term of graduation.) Deadlines for graduation application are available online and in the Office of the Registrar.

Degree Requirements

To qualify for graduation, a student must:

1. Be in good standing.
2. Complete the courses and hours specifically required and accepted for the curriculum with a grade-point average (GPA) of 2.0(C).
3. Complete the Area I English composition core requirements with a minimum grade of C in each course. See the section on English requirements in this catalog for the limitation on acceptable transfer credit.
4. Complete Areas II, III and IV university core requirements with a GPA of at least 2.0 (C).
5. Complete all Area V courses identified in the major field of study with a GPA of at least 2.0 (C).
6. Complete a minimum of 120 semester hours of passing credit within the framework of the identified field of study. Credit earned in developmental courses (ENGL 0100, READ 0700, MATH 0700, MATH 0800) will be in addition to minimum degree requirements.
7. Complete UNIV 1000 (see UNIV policy in this catalog).
8. Be free of probation or suspension status at the end of the desired semester of graduation. Even though the GPA in specifically required and accepted courses for the curriculum may be 2.0 (C), the overall record of courses attempted may place the student in jeopardy.

Note: The requirements stated above are general university graduation requirements. Individual schools and departments may impose more stringent requirements. Schools and departments may not impose less stringent requirements.

Students should contact individual schools and departments to determine the exact graduation requirements for their desired major.

Second Degree

To earn a second baccalaureate degree, a student must complete a minimum of 30 semester hours in residence at AUM subsequent to the awarding of the first degree with a 2.0 GPA. Additionally, the student must satisfy all university, college, departmental and major course requirements for the second degree.

Double Major

Double majors are authorized in the academic schools upon approval of the dean when all requirements are met as specified by each college. When the above provisions are satisfied, both majors may be listed on the student's transcript and on the diploma. The student may choose the college from which the degree will be awarded.

Graduation Honors

Students with a minimum AUM GPA of 3.4 are graduated Cum Laude; 3.6, Magna Cum Laude; and 3.8, Summa Cum Laude. This distinction of high academic achievement is placed on the student's diploma and on his or her permanent record.

Only the AUM GPA is considered when determining graduation hours. Grades of S or U and noncredit courses are not used in the calculations. However, any courses that have been deleted from your GPA calculation through either the Grade Adjustment Policy or Repeat to Replace Policy will be factored back into your GPA. At least 50 hours of course work at AUM are required for graduation honors. GPAs are not rounded up when determining honors.

Transferring Within the University System

The Auburn University system is composed of two campuses — Auburn and Montgomery. A student enrolled in an undergraduate division at either campus who wishes to transfer to the undergraduate division at the other will be considered as a transfer student just as from any other accredited institution. Due to the difference in some curricula and courses, the amount of transfer credit and advanced standing will be determined by the appropriate academic unit and the registrar at the campus to which the student transfers.

Transfer Credit

Transfer credit is reviewed, evaluated and assigned for courses from regionally accredited institutions of higher education that translate to specific AUM courses or are eligible for elective credit. Students should have official transcripts sent directly to AUM's Office of Admissions and Recruitment from each college or university attended to begin the process.

Students receiving Federal VA education benefits who are currently serving in the military, active duty or reserve status, or are considered a veteran, must have an official military transcript sent to AUM. Failure to do so will prevent the student from receiving Federal VA benefits.

Advanced Placement

Both the disciplines of English and foreign languages have advanced placement programs. Advanced placement credit in English Composition I is available to students with appropriate scores on the College Board Advanced Placement Examination in English. For information about advanced placement in English, consult the chair of the Department of English and Philosophy or the director of English composition.

Students with written proficiency in French or Spanish who begin with an advanced foreign language class may, upon its completion with an appropriate grade, apply for a maximum of 16 semester hours of ungraded institutional credit for the bypassed courses. Proficiency in other languages (and hours of credit up to 16 semester hours) may also be established in accordance with the advanced credit/credit in passing procedure. For information about advanced placement in a foreign language, consult the Coordinator of World Languages and Cultures.

College Board Advanced Placement credit is granted to students with appropriate scores. Information on accepted credits, scores and AUM equivalencies can be found at <https://www.aum.edu/admissions/domestic-transfer-test-credits>.

Credit by Examination

AUM recognizes that students learn through a variety of experiences outside the traditional classroom. When these experiences are equivalent to specific courses at AUM, students may earn credit for these courses through two types of examinations: the subject examinations of the College Level Examination Program (CLEP) approved by the department in which the course is offered and departmental proficiency examinations. A student may not attempt credit by examination for a course in which a failing grade has been received or in an area in which the student has received college credit for a more advanced course.

A student may receive no more than 55 semester hours of credit on the basis of non-classroom experience. Semester hours of credit toward graduation earned through credit by examination are recorded on a student's transcript, but no grades or quality points are given; therefore, these credits will not affect a student's grade point average.

CLEP

Test scores on certain subject examinations approved by the department in which the courses are offered are equated with specific courses in the current AUM catalog and a student may receive credit in areas in which academic credit has not been earned.

Students transferring to AUM who have received college credit through the CLEP at other institutions may transfer such credit to AUM if scores on the CLEP meet the AUM requirements for awarding of such credit.

CLEP test scores must be submitted directly from the CLEP program before a determination of allowable credit can be made.

All requests for credit based on CLEP subject examinations are submitted to the Office of the Registrar. Test results are evaluated and recorded on a student's transcript if credit is earned. Students may retest after six months on any exam that they may have previously failed to achieve a satisfactory score.

International Baccalaureate

Students transferring to AUM who have received IB college credit may transfer such credit to AUM if the IB scores meet the AUM requirements for awarding of such credit. IB official transcripts must be submitted directly from the IB to the Registrar's Office. Test results are evaluated by the Registrar and recorded on a student's transcript if credit is earned.

Proficiency Examinations

Credit by examination may be earned for selected courses at AUM through departmental proficiency examinations. The student should contact the appropriate department to determine the availability of proficiency examinations. The minimum passing level for all such examinations is the mid-C range. To apply for a proficiency examination, a student must obtain the approval of the academic advisor, the department head and dean of the school in which the student is majoring and the head of the department in which the course is offered. The head of the department in which the course is offered will report successful completion of the proficiency examination to the Office of the Registrar, and the Office of the Registrar will record this credit on the student's transcript. Students who transfer to other institutions of higher education should realize that credit by examination for courses at AUM may not be recognized by other institutions.

Military Services

Credit for Military Schools

It is the policy of AUM to follow the recommendations of the American Council on Education on credit given for the successful completion of service schools, including AWC and ACSC. The applicability of such credit to a specific program will be determined by the dean of the school concerned. Additionally, AUM has in place a specialized articulation agreement that may allow for additional credits. Contact the Office of the Registrar if you think you may fall into this category.

Credit for USAFI/DANTES Level Tests and Subject Standardized Tests

Undergraduate credit may be allowed for college level courses completed by correspondence or for subject examinations administered by the Armed Forces Institute or institutions approved by the Armed Forces Institute and other accredited institutions as approved by the dean concerned. Contact the Office of the Registrar for specific subject areas that are eligible for DANTES.

Credit Recommended by the American Council on Education (ACE)

The ACE presently evaluates both military schools and civilian training programs for academic credit. Since this evaluation is handled by faculty members of accredited institutions of higher learning, AUM will accept the ACE recommendations for credit earned in nonacademic programs. The applicability of such credit to a specific program will be determined by the dean of the school and faculty advisor.

Army ROTC Cross Enrollment Program

AUM, in conjunction with Troy University, Huntingdon College, Alabama State University and Faulkner University, has a separate agreement for Army ROTC. A student who attends one of these schools and is interested in taking Army ROTC courses at AUM should contact military science at 334-244-3528. For the curriculum of military sciences see the College of Liberal Arts and Social Sciences section.

Air Force Reserve Officers Training Corps

A student can enroll in Air Force ROTC whether he or she is a full-time student at the host university or at a cross-town school. Auburn Montgomery has an Air Force ROTC cross-enrollment agreement with Alabama State University. This means students will be enrolled full-time at AUM and take ROTC classes each week at ASU.

Division of Aerospace Studies — Alabama State University

Air Force ROTC course offerings and military training leading to a commission as an Air Force second lieutenant are available to all AUM students through a cross-enrollment agreement with AFROTC Detachment 019 at Alabama State University.

The nationwide AFROTC program is the major source of Air Force officer procurement. The purpose of AFROTC Detachment 019 at ASU is to offer educational experiences which develop an appreciation for democracy, prepare students for responsible citizenship and train students for management and leadership in the Air Force. The Division of Aerospace Studies is available to students at AUM, Faulkner University, Troy University's Montgomery campus and Huntingdon College.

The Four-Year Program

Students desiring to participate in the four-year program should visit the detachment at Alabama State University to fill out the necessary paperwork. There is no military obligation connected with enrolling in the freshman and sophomore years of the four-year program. The freshman and sophomore years are referred to as the General Military Course (GMC).

Upon completion of the first two years, or GMC portion, of the four-year program, a student may be selected for enrollment in the Professional Officer Course (POC). All or a portion of the General Military Course may be waived by the professor of aerospace studies if the student has a Junior ROTC certificate, has participated in the Civil Air Patrol or has had military school training or prior active service in any branch of the U.S. Armed Forces.

Selection into the POC is based upon passing the Air Force Officer Qualifying Test, a minimum GPA of 2.5 on a 4.0 point scale, passing an Air Force medical examination and completing a field training session, usually between the sophomore and junior years. All summer field training costs are paid by the Air Force. (Field training is explained more fully below.) Other basic requirements for the four-year program are U.S. citizenship and possession of a sound moral character.

Cadets desiring to be pilots or navigator designees must be able to complete commissioning requirements prior to age 29. Scholarship recipients must fulfill commissioning requirements before reaching age 27 on June 30 in the estimated year of commissioning. All other cadets must receive an enrollment allocation prior to age 30.

Cadets admitted to the POC receive \$350 a month nontaxable allowance, up to \$4,800 per school year. They may also travel free on military aircraft on a space-available basis. All AFROTC uniforms and course materials are provided by the Air Force at no cost to students.

A cadet who enrolls in the Professional Officer Course agrees to accept a commission as a second lieutenant and serve for four years on active duty. Cadets accepted for pilot training agree to serve on active duty for 10 years after completing pilot training. Cadets accepted for navigator training must agree to serve on active duty for six years after completing navigator training.

The AFROTC Scholarship Program

Scholarships are available to qualified cadets in the four-year program. Scholarships in all programs cover full tuition, laboratory and incidental fees and a flat rate for books. Scholarship cadets also receive a nontaxable allowance each month ranging from \$350 to \$500. Final selection is made by a selection board at Air Force ROTC Headquarters.

An applicant's academic major and potential active duty career field are considered with respect to the needs of the Air Force.

Scholarships are awarded on a competitive basis. There is no limit to the number that can be awarded to cadets at a given college or university hosting Air Force ROTC's four-year program.

AFROTC Curriculum

The basic goal of the AFROTC curriculum is to provide the military knowledge and skills which cadets will need when they become Air Force officers.

General Military Courses

AS 101 and AS 102 (2 hours credit per semester). Survey courses introducing students to the U.S. Air Force and AFROTC. Topics include mission and organization of the Air Force, officership and professionalism, military customs and courtesies, Air Force officer opportunities, group leadership problems and an introduction to communication skills. Leadership Laboratory is mandatory for AFROTC cadets and complements this course by providing cadets with followership experiences.

AS 201 and AS 202 (2 hours credit per semester). Survey courses facilitating the transition from Air Force ROTC cadet to Air Force ROTC officer candidate. Topics include Air Force heritage and leaders; Quality Air Force; introduction to ethics, values and leadership; group leadership problems; and continuing application of communication skills. Leadership Laboratory is mandatory for AFROTC cadets and complements these courses by providing the first opportunity for applied leadership experiences discussed in class.

Professional Officer Courses

AS 301 and 302 (4 hours credit per semester). A study of leadership quality management fundamentals, professional knowledge, Air Force doctrine, leadership ethics and communication skills required of an Air Force junior officer. Case studies are used to examine Air Force leadership and management situations as a means of demonstrating and exercising practical application of the concepts being studied. A mandatory Leadership Laboratory complements these courses by providing advanced leadership experiences in officer-type activities by providing opportunity to apply leadership and management principles.

AS 401 and 402 (4 hours credit per semester). Examine the national security process, regional studies, advanced leadership ethics and Air Force doctrine. Focus on the military as a profession, officership, military justice, civilian control of the military, preparation for active duty and current issues affecting military professionalism. Continued emphasis is given to refining communication skills. A mandatory Leadership Laboratory complements these courses by providing advanced leadership experiences and the opportunity to apply the leadership and management principles.

Aerospace Studies Courses

General Military Course consists of the following courses:	Semester Hours
AS 101 The Foundations of the United States Air Force	2
AS 102 The Foundations of the United States Air Force	2
AS 201 The Evolution of the United States Air Force and Space Power.....	2
AS 202 The Evolution of the United States Air Force and Space Power.....	2
Total	8

The Professional Officer Course consists of the following courses:	Semester Hours
AS 300 Air Force Leadership Studies.....	4
AS 301 Air Force Leadership Studies.....	4
AS 400 National Security Affairs/Preparation for Active Duty.....	4
AS 401 National Security Affairs/Preparation for Active Duty.....	4
Total.....	16

Leadership Laboratory

Leadership Laboratory is open to ROTC members and students to pursue a commission as determined by the professor of aerospace studies. Attendance is normally two hours each week during the fall and spring semesters. Instruction is conducted within the framework of an organized cadet corps with a progression of experiences designed to develop each student's leadership potential. Leadership Laboratory involves a study of Air Force customs and courtesies, drill and ceremonies, career opportunities, and the life and work of an Air Force officer. Students develop their leadership potential in a practical, supervised laboratory, which typically includes field trips to Air Force installations throughout the U.S. Physical fitness training is field trips to Air Force installations throughout the U.S. Physical fitness training is also a mandatory part of Leadership Laboratory and must be attended by all cadets.

Field Training

AFROTC Field Training is offered during the summer months at Maxwell AFB, AL. Students in the four-year program participate in field training, usually between their sophomore and junior years.

The major areas of study included in the five-week field training are essentially the same as those conducted at four-week training and in the General Military Course, including Leadership Laboratory.

University Honors Program

Mission

Since 1981, the mission of the University Honors Program has been to serve highly motivated students from all five of Auburn Montgomery's academic colleges by facilitating their participation in a diverse community that will prepare them intellectually and socially for the challenges and responsibilities of global citizenship in the twenty-first century.

To accomplish this mission, the UHP enhances the experience of Honors Program students by engaging them in the development and demonstration of creative thinking, critical thinking, and teamwork and leadership in a context of global citizenship.

Eligibility

Entering freshmen with the following qualifications are encouraged to apply for the UHP:

- 3.5 or higher unadjusted GPA
- 27/1220 or higher ACT/SAT score

Any continuing Auburn Montgomery student with a cumulative GPA of 3.4 or higher may also apply for the UHP.

The application process includes a prompted essay and an interview. Interested students should apply at www.aum.edu/honors or contact the UHP at honors@aum.edu.

Service and GPA Requirement

Every student enrolled in the UHP is required to complete 12 hours of community service each semester and maintain a cumulative GPA of 3.4 or higher. Students who do not satisfy these requirements will be placed on probationary status. After one semester on probation, students who do not satisfy these requirements are liable for dismissal from the UHP.

UHP Core Requirements

Honors students who enter as freshmen are expected to take HONR 1757 in the fall semester and HONR 1857 in the spring semester of their first year. These courses substitute for ENGL 1010 and 1020, satisfying Area I of the AUM Core Curriculum. Freshman honors students who have already met this requirement when they enroll at AUM may use HONR 1757 and HONR 1857 to satisfy Area II or Area IV requirements instead.

Students may substitute HONR 1957, HONR 2757, or HONR 3757 for courses that satisfy Area II or Area IV requirements in the AUM Core Curriculum.

Departmental honors courses (e.g., BIOL 1017, COMM 1017, PHIL 2007, etc.) may also be used to satisfy AUM Core Curriculum requirements. Honors students should register for honors versions of core courses whenever possible.

University Honors

The highest recognition conferred by the UHP is University Honors, earned by students who maintain a cumulative GPA of 3.4 or higher and complete the following curriculum with a grade of 'B' or better in each course:

Courses:	Semester Hours
HONR 1757	3
HONR 1857	3
HONR 1957 (taken three times).....	3
HONR 2757 (taken twice)	6
HONR 3757 (taken twice)	6
HONR 3957	3
HONR 4957	3

Warhawk Honors

Alternatively, UHP students may earn Warhawk Honors, in either of the following ways:

1. by completing 21 semester hours of honors credit, of which at least 18 hours are honors seminar courses (HONR 1757, HONR 1857, HONR 2757, or HONR 3757)
or
2. by completing 15 semester hours of honors credit, only for Honors students in professional majors (e.g., nursing, education) with substantial practica in the junior and senior years.

Students must earn a grade of ‘B’ or better in each course to count toward the Warhawk Honors semester hours requirement, and must maintain a cumulative GPA of 3.4 or higher in order to graduate with Warhawk Honors.

College of Business

Dr. Ross Dickens, Dean

Faculty:

Accounting:

Professor Lang

Associate Professors Lane (Director) and W. Smith

Assistant Professors Adkins and Lyle

Senior Lecturers Daniel and Seay

Visiting Professor B. Smith

Finance:

Professors Dickens and Hahn

Associate Professor Harrington

Assistant Professor Lu

Information Systems:

Professors Amoroso and Ang (Department Chair)

Associate Professors He, Kim, Linna, and Oh

Assistant Professor Bang

Lecturer Anderson

Visiting Professor Locke

Management:

Professors Banning and M. Kiker

Associate Professors El Badawy, S. Kiker, and Roberts

Senior Lecturer White

Visiting Professor Naddra

Marketing:

Professors Funches and Ingram

Associate Professor Periat

Assistant Professor Bolton

Senior Lecturer Jackson (Graduate Program Director)

Visiting Professor McKell

Programs:

Accounting

Entrepreneurship

Finance

General Business

General Business

International Business

Human Resource Management

Information Systems

General Information Systems

Enterprise Network Management

Enterprise Data Management and Applications

Management

Marketing

- General Marketing
- Hospitality and Tourism

Mission

AUM's College of Business mission is to prepare students for successful careers by providing quality educational opportunities utilizing dedicated faculty, stakeholder collaboration, and small class sizes.

AACSB–International Accreditation

The degree programs, both undergraduate and graduate, offered by the College of Business have achieved business accreditation by AACSB—International, the nation's oldest and most prestigious business school accrediting body. In addition, the undergraduate accounting program has received separate AACSB accounting accreditation, which is an honor held by only 1 percent of schools worldwide.

Undergraduate Programs

The College of Business curricula are designed to provide the student with the foundation of a broad liberal education before beginning a more intensive study of specific areas of business. The student may elect to pursue programs that specialize in the areas of Accounting, Entrepreneurship, Finance, Information Systems (Options in Network Management and Applications), Human Resource Management, Management, Marketing (Options in Hospitality and Tourism) or General Business (Options in General Business and International Business). The respective programs are composed of the following: Lower Division Business Core, Upper Division Business Core and courses which comprise an area of specialization.

All majors in business administration will follow a plan of study that includes the courses and areas listed below:

AUM Core Curriculum Requirements	Semester Hours
Area I. Written Composition	
English Composition (ENGL 1010 and ENGL 1020)	6
Area II. Humanities and Fine Arts	
Option I	
Literature	3
Fine Arts	3
Humanities (to include option to take COMM 1010, languages, ethics, philosophy)	6
Total	12
OR	
Option II	
Literature Sequence (ENGL 2530/2540, ENGL 2570/2580, ENGL 2600/2610).....	6
Fine Arts (MUSI 2110, VISU 1000, or THEA 2040).....	3
Introduction to Human Communication (COMM1010)	3
Total	12
Area III. Natural Science and Mathematics	
Math (MATH 1050, 1120, 1150, 1510, or 1610)	3
Approved Science/Lab (2 courses with respective labs to include BIOL 1000, CHEM 1100, CHEM 1200, PSCI 1100, PSCI 1400, PSCI 1500, PHYS 2100, PHYS 2200)	8
Total	11
Area IV. History, Social Sciences and Behavioral Sciences	
Option I	
History Sequence (HIST 1010/1020, 1060/1070, 1080/1090).....	6
Economics I (ECON 2010)	3
Economics II (ECON 2020)	3
Total	12

OR	
Option II	
History (HIST 1010/1020, 1060/1070, 1080/1090).....	3
Social Sciences (ANTH 2110, PSYC 2110 or SOCI 2000).....	3
Economics I (ECON 2010).....	3
Economics II (ECON 2020).....	3
Total.....	12
Total AUM General Core Requirements.....	41
UNIV 1000 (Freshman and Transfer students who meet certain criteria).....	3
Total AUM General Core.....	44

Business Administration Core Courses (must make a C or better in all business core courses as well as MATH, ENGL, and ECON 2010/2020 from the AUM General Core):

Lower Level Business Core:

Introduction to Financial Accounting (ACCT 2010)	3
Introduction to Managerial Accounting (ACCT 2020)	3
Computer Applications in Business (INFO 2050).....	3
Legal Environment of Business (MNGT 2410)	3
Business Statistics I (QMTD 2740).....	3
Business Statistics II (QMTD 2750).....	3

Upper Level Business Core*:

Business Communication (BUSN 3060)	3
Managing Systems, Technology & Data (INFO 3070).....	3
Principles of Financial Management (FINA 3610)	3
Principles of Marketing (MKTG 3310).....	3
Managing Organizational Behavior (MNGT 3380)	3
Operations Management (QMTD 3600)	3
Strategic Management (BUSN 4800)	3
Ethical Leadership Development (BUSN 3000).....	1

Total Upper and Lower Level Business Core.....	40
Business/Approved Electives	9
Business/Approved Elective (3000/4000)**	3
Area of specialization requirements***	24
Total Business Hours	76

Minimum Total Hours Required for BSBA 120

*Students are required to complete lower division requirements prior to attempting upper level business core courses. In the semester of transition from lower to upper business core courses, students may enroll in FINA 3610, MKTG 3310 or MNGT 3380 if they have met the prerequisites for those courses and completed their core Mathematics and English composition requirements for the AUM general course courses.

**Business or approved electives at the 3000/4000 level require a C or better in completing this requirement.

***The area of specialization requirements is detailed under each option within the catalog. A grade of C or better must be earned to fulfill graduation requirements.

Rules and General Requirements

1. It is the student's responsibility to ensure that all course prerequisites are met.
2. Courses considered developmental in nature may not be used to fulfill the graduation requirements.
3. Students are required to complete lower division requirements with a grade of C or better prior to attempting upper division courses. In the semester of transition from lower to upper division, students may enroll in the following designated transition courses: FINA 3610, MKTG 3310 or MNGT 3380 if the required prerequisite courses are completed and if the students have completed their core mathematics and English composition requirements.
4. Courses required in the specialization must be taken in residence at AUM. With permission, two courses in a student's specialization may be completed at another AACSB accredited school.

5. Grades below C in upper division specialization subjects are not acceptable as prerequisites for other course work or for graduation. Upper division specialization courses are those which constitute the specific requirements for the specialization.
6. Non-business students may take up to 30 semester hours of business courses for graduation purposes in their non-business major.
7. The AUM College of Business has specified policies and procedures for grade grievance, incomplete grades, late withdrawal, independent studies and internships. Students needing information on these topics should contact the Department Chair of their specialization or the AUM College of Business Undergraduate Advising Office.
8. Students must comply with all other rules and general requirements found elsewhere in this catalog.

College of Business Advising Office

The College of Business Advising Office, located in Room 322 Clement Hall, is the college's centralized student advising, records and information center. Schedule advising, registration and schedule adjustment are just some services offered to business students. This office also evaluates transcripts for transfer students and for current AUM students switching their major to business. All questions concerning College of Business programs should be directed to this office by calling 334-244-3564 or via email at cobua@aum.edu.

School of Accountancy - Accounting Specialization

The accounting specialization prepares students to enter a variety of accounting careers. The program consists of ten courses: eight required courses to provide students with the knowledge and skills generally expected of all entry-level accountants and two accounting electives that students can choose based on their choice of careers. Students planning to sit for the Certified Public Accountant (C.P.A.) Examination in Alabama must satisfy the requirements of the Alabama Public Accountancy Act. These requirements are described on the Alabama State Board of Public Accountancy website, <https://www.asbpa.alabama.gov>.

Accounting Specialization Requirements	Semester Hours
ACCT 3000 Excel for Accounting.....	3
ACCT 3110 Intermediate Accounting I.....	3
ACCT 3120 Intermediate Accounting II.....	3
ACCT 3130 Intermediate Accounting III.....	3
ACCT 3200 Accounting Information Systems	3
ACCT 3210 Managerial Cost Accounting.....	3
ACCT 3310 Income Tax Accounting	3
ACCT 4410 Auditing Financial Statements	3
Accounting Electives ^[OB]	
Total Hours.....	30

Accounting Electives	Semester Hours
ACCT 4130 Advanced Financial Accounting.....	3
ACCT 4380 Taxation Serving the Community.....	3
ACCT 4510 Government and Nonprofit Accounting, Financial Reporting and Budgeting.....	3
ACCT 4520 Governmental Auditing and Internal Control	3
ACCT 4530 Government Budgeting and Performance Reporting	3
ACCT 4610 Not-For-Profit Accounting and Financial Reporting.....	3

Grade Requirements for Upper Division Accounting Specialization Courses

A minimum grade of C in all accounting courses is required. Students who receive a D or F in an upper division accounting course at AUM have one opportunity to repeat that course and the course must be repeated at AUM. Students who receive a D or F in any two upper division accounting courses at AUM will be dis-enrolled from the program.

Students who have failed (D or F) one course will meet with the Director of the School of Accountancy prior to enrollment in any upper division accounting course. The student must submit a written action plan for improving future performance for approval by the Director of the School of Accountancy before permission can be granted to enroll in any upper division accounting courses at AUM.

Entrepreneurship Specialization

The Entrepreneurship specialization is designed to provide students with opportunities for growth and development inside and outside the classroom, preparing them to identify and pursue academic and career goals. The curriculum for this specialization is multidisciplinary. Graduates will be able to seek self-employment in their own business start-ups after graduation. In addition, they will be able to seek employment in corporate jobs that are focused on new venture development functions of business.

Entrepreneurship Specialization Requirements	Semester Hours
ENTR 3000 Creativity and Innovation.....	3
ENTR 3300 New Venture Creation	3
HRSM 3150 Human Resource Management.....	3
FINA 3500 Entrepreneurial Finance	3
ENTR4010 Entrepreneurship and Business Planning	3
MKTG 4410 Buyer Behavior.....	3
Entrepreneurship Electives	6
Total Hours	24

Finance Specialization

The program in finance provides a foundation in financial institutions, financial planning and financial management. Students may then elect to concentrate in these areas or select advanced courses in related areas of finance or accounting.

Finance Specialization Requirements	Semester Hours
FINA 3370 Personal Financial Planning.....	3
FINA 3650 Financial Institutions and Markets.....	3
FINA 3620 Intermediate Financial Management	3
ACCT 3000 Excel for Accounting.....	3
FINA 4640 Investment Analysis and Portfolio Management	3
Finance Electives	9
Total Hours	24

Finance/Approved Electives.....	Semester Hours
FINA 3210 Personal Risk Management and Insurance	3
FINA 3230 Principles of Real Estate	3
FINA 3500 Entrepreneurial Finance	3
FINA 4600 Bank Management	3
FINA 4700 Short-Term Financial Management.....	3
FINA 4750 International Finance	3
FINA 4800 Finance Seminar	3
FINA 4924 Internship in Finance	1-3
FINA 4970 Special Problems/Special Topics	3
ACCT 3110 Intermediate Accounting I.....	3
ACCT 3120 Intermediate Accounting II.....	3
ACCT 3310 Income Tax Accounting.....	3
ACCT 4320 Advanced Income Tax Accounting	3
MKTG 4400 Professional Selling	3

¹At least two electives must be Finance (FINA) courses. ACCT 3120 or ACCT 4320 may substitute for a FINA elective course.

Management Specialization

The management specialization is designed to prepare students to respond to the opportunities and demands of a highly competitive world. The program gives students the knowledge and skills that are universally needed to be successful in leadership roles in any organization. The curriculum builds a knowledge base that includes the latest ideas in management thought and practice, with a particular emphasis on acquiring critical people management skills.

Management Specialization Requirements	Semester Hours
HRSM 3150 Human Resource Management.....	3
MNGT 4500 Leadership for a Changing World	3
MNGT 4100 Business Ethics.....	3
MNGT 4250 Managing Diversity.....	3
MNGT 4750 International Business Management	3
MNGT Elective	3
HRSM Elective.....	3
HRSM Elective.....	3
Total Hours.....	24
MNGT Electives	
MNGT 3490 Special Problems/Special Topics	3
MNGT 4390 Small Business Management	3
MNGT 4924 Internship	3
HRSM Electives	
HRSM 4600 Employee Recruitment and Selection.....	3
HRSM 4610 Human Resource Development, Evaluation and Safety.....	3
HRSM 4440 Labor Management Relations	3

Human Resource Management Major

The Human Resource Management major prepares students for jobs and careers in a wide variety of positions in human resources and general management. Virtually all managers have to manage people effectively to execute business strategies and achieve organizational goals. Thus, a major in human resource management (HRM) emphasizing people management skills has broad application for students in jobs and careers. Students may become a member of the Society for Human Resource Management (SHRM) Student Club at AUM where they can attend meetings and network with HR practitioners. The national Society for Human Resource Management, the leading professional organization in the field, has certified that the human resource management curriculum at AUM is aligned with the recommended requirements for HR degree programs as outlined in the SHRM HR Curriculum Guidebook and Templates.

Human Resource Management Specialization	Semester Hours
Major Requirements	
HRSM 3150 Human Resources Management.....	3
HRSM 4050 Employment Law.....	3
HRSM 4440 Employee and Labor Relations.....	3
HRSM 4500 Managing Reward Systems.....	3
HRSM 4600 Employee Recruitment and Selection.....	3
HRSM 4610 Training, Development, and Risk Management	3
HRSM 4890 Strategic Human Resource Management.....	3
HRSM Approved Elective.....	3
Total Hours.....	24
HRSM Electives	
HRSM 4924 Internship.....	3
MNGT 4250 Managing Diversity	3

Marketing Specialization

The importance of marketing is underlined by the fact that marketing activities constitute one-half of the total cost of an average product and that a marketing orientation is linked with the purpose of any business or organization; that is, serving customer needs. The program of study in marketing provides the knowledge students need to successfully create customer value in a dynamic environment. Creating customer value requires a balance between thinking logically and creatively, and the marketing specialization challenges students to do both. Students also have opportunities to develop interpersonal and communication capabilities, and valuable skills in demand by local, national and international employers.

Students in the marketing specialization take a common body of MKTG courses beyond the College of Business core. In addition, elective courses allow each student to tailor his or her studies to a particular area of interest. Students are encouraged to work with the marketing faculty to choose these electives. Students can also choose to focus on hospitality and tourism as an option within the marketing specialization.

Marketing Specialization Requirements	Semester Hours
MKTG 4360 Marketing Research	3
MKTG 4400 Professional Selling & Sales Management	3
MKTG 4410 Buyer Behavior	3
MKTG 4650 International Marketing	3
MKTG 4780 Marketing Strategy	3
Marketing Electives	9
Total Hours.....	24

Hospitality and Tourism Option

The hospitality and tourism industry currently employs one in 10 people worldwide and this number is projected to grow. If you are interested in working for amusement parks, pro sports teams or in the resort industry, you should consider this option.

Hospitality and Tourism Option Requirements	Semester Hours
MKTG 4360 Marketing Research*	3
MKTG 4400 Professional Selling & Sales Management.....	3
MKTG 4410 Buyer Behavior*	3
MKTG 4650 International Marketing	3
MKTG 4780 Marketing Strategy*	3
MKTG 4924 Internship in Marketing*	3
Marketing Electives	6
Total Hours.....	24

**The hospitality and tourism option includes the basic core MKTG courses in the marketing specialization; however, MKTG 4924 Internship in Marketing is also required. In addition, students in this option will focus on the hospitality and tourism industry when completing the major projects in MKTG 4360, MKTG 4410 and MKTG 4780.*

General Business Specialization

The general business specialization is designed for students who desire a more general background in the different functional areas of business or a custom-designed specialization. Students may choose between two options: General Business and International Business.

General Business Option

Students choosing the general business option will complete eight different 3-hour courses offered by the College of Business for which the prerequisites are met. This flexible option allows students to select eight COB courses that are offered at the 2000 (only for specific Information Systems courses), 3000, 4000, and 5000

levels. Note that 5000-level courses require a minimum of 90 earned credit hours, a 3.3 GPA, and are limited to 9 hours total. Students may include one 4924 Internship course and one 4970 Special Topics course within these eight courses.

General Business Option Requirements

Choose eight different 3-credit hour courses from the following:

3000/4000/5000 level Accounting (ACCT), Entrepreneurship (ENTR), Finance (FINA), Human Resource Management (HRSM), Information Systems (INFO), Management (MNGT), or Marketing (MKTG) courses; or specific 2000-level INFO courses that are 3000-level equivalents (ask your Academic Advisor)

Total hours24

International Business Option

The international business option combines training in finance, marketing, and management skills with languageskills and an appreciation for cultural differences that affect business relations in the global marketplace.

Students specializing in general business and selecting the international business option must have a minimum of two courses in a foreign language consisting of 8 credit hours.

International Business Option Requirements

Semester Hours

INTL 3000 Introduction to International Studies	3
FINA 4750 International Finance	3
MKTG 4650 International Marketing	3
MNGT 4100 Business Ethics	3
MNGT 4750 International Business Management.....	3
INTL Approved Elective	3
INTL Approved Elective	3
INTL Approved Elective	3
Total Hours	24
INTL Approved Electives: BUSN 4000, INFO 4300; MNGT 4250; MKTG 4410	

Information Systems Specialization

The program of study in information systems (IS) is designed to prepare students to be business-oriented, technically proficient IS professionals who can perform and eventually lead systems analysis, systems development and technology management activities, using state-of-the-art, web-based and traditional software tools and design methodologies.

Students will develop the skills and knowledge necessary to analyze and understand business problems and apply information technology to help solve these problems. Students will learn how to analyze client needs, define systems to meet these needs, develop applications, manage operations and act as technical intermediaries between management and other technical staff. Courses require extensive hands-on projects, teamwork and use of high-end technology in labs. People attracted to IS enjoy solving puzzles, being involved in creative tasks, are comfortable around technology and like change. Skills required for success in IS are analytical thinking, good oral and written communication and teamwork. IS professionals often deal with a number of tasks simultaneously, consequently the ability to concentrate and pay close attention to details is important.

Students in the information systems curriculum take a common body of INFO courses beyond the College of Business core. In addition, four elective courses allow students to tailor their studies to a particular area of interest. Study within the information systems area is broken into an infrastructure option or an applications option. Students can focus on two areas of emphasis within each of these option areas.

General Information Systems Option	Semester Hours
IS Core Courses (12 Hours)	
INFO 3000 Java I or INFO 3200 C++I	3
INFO 3560 Database Systems	3
INFO 3700 Data Communication.....	3
INFO 4800 Project Management.....	3
Option Courses (12 Hours)	
Any four INFO courses	
Total Hours	24

Enterprise Network Management Option	Semester Hours
IS Core Courses (12 Hours)	
INFO 3200 C++I	3
INFO 3560 Database Systems	3
INFO 3700 Data Communication.....	3
INFO 4800 Project Management.....	3
Option Courses (12 Hours)	
INFO 2100 Network Operating Sys (Required)	3
INFO 4000 Network Design & Administration (Required)	3
Any two courses:	
INFO 3000 Java I.....	3
INFO 4100 Data Storage Technology Concepts	3
INFO 4200 Disaster Recovery and Contingency Planning.....	3
INFO 4400 Network Security & Legal Issues.....	3
Total Hours	24

Enterprise Data Management & Applications Option	Semester Hours
IS Core Courses (12 Hours)	
INFO 3000 Java I.....	3
INFO 3560 Database Systems	3
INFO 3700 Data Communication.....	3
INFO 4800 Project Management.....	3
Option Courses (12 Hours)	
INFO 3010 Java II (Required).....	3
INFO 4780 Sys. Analysis Design & Implementation (Required)	3
Any Two:	
INFO 2100 Network Operating Systems	3
INFO 3800 Web Application Development.....	3
INFO 3810 Mobile Application Development	3
INFO 4100 Data Storage Technology Concepts	3
INFO 4560 Data Base Administration	3
Total Hours	24

Accelerated Master's Degree Option

This program allows accepted undergraduate students with at least 90+ hours and a 3.3 GPA to take up to nine hours of approved 5000 level course work. These 5000 level courses will count as both undergraduate and graduate course work at AUM provided students enroll in the respective graduate program within one calendar year and earn a B or better in each course.

The following is a listing of approved 5000 level courses:

- ACCT 5130 Advanced Financial Accounting
- ACCT 5320 Taxation of Business Entities
- ACCT 5510 Governmental & Nonprofit Accounting & Financial Reporting
- INFO 5300 E-Commerce and Mobile Technologies

INFO 5550 Data Mining Methods and Application
INFO 5850 Managing Sustainability
INFO 5880 Data Analytics for Competitive Advantage
MNGT 5300 Issues in Sustainability
MNGT 5400 Managing the Legal Environment
MNGT 5410 Ethical/Social Responsibility
MNGT 5600 Staffing Organizations

College of Education

Dr. Kellie A. Shumack, Interim Dean

Faculty:

Counselor, Leadership, and Special Education

Professors Austin, Bicard, and Simmons

Associate Professors Guo, Hard (Chair), and Sparks

Assistant Professor Darch

Curriculum, Instruction, and Technology

Professors Bowden, Burks (Chair), Dueñas, Shumack (Interim Dean), and Stallings

Associate Professors Beziat, Bourke, Hogan, Klash, Lewis, Shelley and S. Varma

Assistant Professor Junkin

Clinical Associate Professor Campbell

Kinesiology

Professors Reilly, Schaefer, and Williford (Chair)

Associate Professor Foo

Assistant Professors Bishop, Davis, and Russell

Clinical Associate Professors Allegro and Walker

Programs:

Elementary Education

Childhood Education (P-6)

Elementary Education (K-6)

Early Childhood (P-3)

Kinesiology

Physical Education (P-12)

Exercise Science

Sport Management

Secondary Education (6-12)

English Language Arts

General Science

Social Science

Mathematics

Special Education

Early Childhood Special Education (B-8)

Collaborative Teacher (K-6)

Collaborative Teacher (6-12)

College of Education

Professional study in the College of Education is based on a framework that prepares competent, committed and reflective professional educators. The college is committed to providing challenging opportunities for a diverse learning community in a nurturing environment.

Consistent with the mission of AUM, the College of Education strives to fulfill the following goals:

1. Provide individuals seeking careers in education with the knowledge, competencies, ethical attitudes, skills and credentials necessary for successful performance in the teaching profession.

- A. Utilize recruitment, admission, retention and advising activities that facilitate student progress and guarantee highly qualified graduates.
 - B. Include in all teacher education programs a general studies component that will enable each student to become a well-educated person, as defined in the AUM Mission Statement.
 - C. Provide, through course work and field/clinical experiences within the professional studies component of each program, cognitive and affective experiences that enable students to become dedicated, ethical, successful teachers.
 - D. Provide prospective educators with a basic understanding of cultural diversity.
 - E. Provide prospective educators with the knowledge and skills necessary to teach children with exceptionalities.
 - F. Develop student skills and attitudes necessary for decision making, investigation, research, lifelong learning and continued professional development.
 - G. Prepare prospective educators to meet the demands of advances in knowledge and technology.
2. Provide undergraduate level programs leading to the master's and education specialist's degrees that will enable graduates to improve and extend their professional competencies and leadership abilities.
 3. Based on a coordinated plan for external and internal program evaluation, continually study and modify undergraduate and graduate programs to ensure quality learning experiences that reflect sound educational thinking.
 4. Provide leadership in educational innovation and emphasize learning experiences that will encourage graduates to evaluate trends and become change agents for educational improvement.
 5. Improve and extend resources necessary for implementing quality educational programs.
 6. Engage in research that contributes to instructional programs and the advancement of knowledge.
 7. Continue to serve the community, state, and region by educating qualified professional personnel, providing on-campus educational services and extending faculty expertise and university resources to schools and agencies within the region.

Accreditation

The College of Education is accredited by the Council for the Accreditation of Educator Preparation (CAEP), and individual programs are approved by the Alabama State Department of Education or have received national recognition. The Early Childhood Education program is accredited by the National Association for the Education of Young Children (NAEYC). The Physical Education program is accredited by the National Association for Sport and Physical Education (NASPE). The Secondary English Language Arts program is accredited by the National Council of Teachers of English (NCTE). All other programs have been approved by the Alabama State Department of Education.

Bachelor of Science in Education

The College of Education offers courses leading to the B.S. in Education. The student may elect to pursue a program of teacher preparation designed to prepare elementary, early childhood, physical education, special education or secondary school teachers. The programs in education are composed of the following:

1. A broad core of courses that comply with the Core Curriculum
2. A professional education program consisting of courses in foundations of education and methods and curriculum in areas of specialization
3. Course work in areas of specialization providing depth of understanding required of the teacher
4. Professional field/clinical experiences, including field experiences in methods courses and special practica and Professional Internships.

Field Experiences Program

The Field Experiences Program provides sequential opportunities for education students to participate in learning activities in a variety of school and community settings. The Field Experiences Program is divided into four areas: Pre-professional Field Experiences, Professional Field Experiences, Professional Practicum Experiences, and Professional Internship.

The Pre-professional Field Experiences are designed to provide freshman and sophomore teacher education candidates initial field experiences in school or community settings. Students may enroll in pre-professional courses before being admitted to the Professional Education Program.

The Professional Field Experiences provide concurrent experiences for teacher education candidates enrolled in the appropriate professional methods courses. Candidates are provided laboratory time for involvement in actual teaching experiences in areas of specialization. Candidates are admitted to the Professional Education Program before enrolling in professional courses.

The College of Education has established special partnership arrangements with many elementary and secondary schools. Candidates have opportunities for clinical experiences in surrounding school districts.

Admission to the Professional Education Program

Each student preparing to teach must be admitted to the Professional Education Program and complete that program as one of the qualifications for teacher certification. Applications to enter the program should be filed with the College of Education during the fourth semester in school or upon the completion of 50 hours of course work. Students may not register for advanced level education courses until they have been admitted to the Professional Education Program.

The final dates for submission are as follows:

Fall semester	June 15
Spring semester	October 15
Summer term	March 15

I. Requirements for admission to Professional Education:

A. Prerequisite course work:

A minimum of 50 hours of work completed, including the following courses or their equivalents:

- FNDS 2010
- FNDS 2120
- FNDS 2140
- ENGL 1010 and ENGL 1020
- COMM 1010

B. Fingerprint: Background clearance by FBI and ABI before participating in field experiences in public school systems.

C. Interview:

Satisfactory interviews designed to provide information on whether the applicant's dispositions and interests are consistent with the requirements for successful teaching will be conducted prior to admission to Professional Education.

D. Communication skills:

The student should demonstrate proficiency in reading and oral and written English as demonstrated by the following:

1. The student must have a grade of 2.0 (on a 4.0 scale) or better in COMM 1010 or its equivalent with no grade lower than C accepted.
2. The student must have a grade of 2.0 (on a 4.0 scale) or better in ENGL 1010 and ENGL 1020 or their equivalents with no grade lower than C accepted.
3. The student must present verification that a speech and hearing examination was administered by the Speech and Hearing Clinic personnel. In the event these tests reveal any deficiency, recommendations for remediation procedures will be communicated to the student. These recommendations may include speech therapy or referral to a physician.

E. Scholarship:

1. A minimum GPA of 2.5 overall is required on course work on the program plan of study taken prior to admission to Professional Education.
2. A minimum GPA of 2.5 in the teaching field is required with no grade less than a C accepted.

3. A minimum GPA of 2.5 in the professional education courses is required with no grade less than a C accepted.
4. Students majoring in any education program will not be allowed to take professional studies or teaching field courses more than twice. This refers to any course on page 2 (the back) of the plan of study.

F. Notification:

After application for admission to Professional Education, the student’s application file will be reviewed by the Certification Office, and the student will be notified in writing of acceptance or denial. In the event of denial, the student may request an interview with the Committee for Admission to Professional Education. The student may reapply for admission to Professional Education after deficiencies are met in lieu of or in addition to an interview.

G. PHED Health Fitness Test Requirements:

In order to meet national (SHAPE) and Alabama Department of Education Standards, every student in a major in the Department of Kinesiology must participate in and pass a standardized physical fitness test prior to graduation: The AUM Health and Fitness Test. Students must take the fitness test a minimum of two times:

Part 1. Initially, those students in a major in the Department of Kinesiology must take the Health and Fitness Test while enrolled in PHED 2010 Foundations of Health and Physical Education. If a student fails to score in the Healthy Fitness Zone on any test item, they will be referred to enroll in an appropriate physical activity course and/or counseled by the Health and Fitness Test Coordinator or other faculty member in order to devise a physical activity plan as part of a remediation process to improve their health-related physical fitness.

Part 2. Students majoring in Physical Education, Exercise Science, and Sport Management must also retake and pass the AUM Health and Fitness Test during the semester of Internship. This will be achieved by enrolling in PHED 4992 along with Internship. Students must pass all portions of the test during this course in order to graduate. Failure to pass all portions of the test by the deadline for final grades for graduating seniors will result in a grade of IP being given and students must reenroll in PHED 4992 the following semester.

Part 3. Swimming Requirement: Students will be required to take a swimming competency test or pass PHED 1113 Beginning and Intermediate Swimming. Students must pass the swimming test or course prior to graduation.

II. Persons to whom these criteria apply:

Students pursuing initial teaching certification at the Class B level must apply for admission to Professional Education and be screened according to the previously listed criteria.

Admission to the Professional Internship Program

The professional internship course is a full-time assignment in an area public/private school or community agency. The internship involves orientation, teaching experience, professional school and community involvement and evaluation.

The student devotes a full semester full-time to the internship.

Prior to the internship, the student must submit an application approved by his or her advisor to the Certification Office. The final dates for submission of the internship application are as follows:

Fall semester internship.....	March 30
Spring semester internship	August 30
(There are no summer internships available.)	

I. Requirements for admission to professional internship:

A. Prerequisite course work:

1. A minimum of 100 hours completed, including the professional courses or their equivalents as determined by the student's advisor.
2. Students who are completing certification programs must meet all prerequisites and may enroll in professional internship during the last two semesters of the program.

B. Scholarship:

1. A minimum GPA of 2.5 overall is required on course work on the program plan of study taken prior to admission to professional internship.
2. A minimum GPA of 2.5 in his or her major teaching field is required with no grade less than a C accepted.
3. A minimum GPA of 2.5 in the education courses is required with no grade less than a C accepted.

C. Praxis – Content Knowledge Test(s):

The student must pass all appropriate Praxis content knowledge test(s) before beginning the internship.

D. edTPA – All initial certification teacher candidates will be required to successfully complete the edTPA in their area of study during the internship. A passing score on the edTPA is required for Alabama certification.

E. Additional considerations:

1. Teaching is a specialized profession that requires the ability to relate effectively to others as well as demonstrate academic competence. Because of the special nature of this program, the faculty reserves the right to recommend to the department head and the dean the exclusion of students from the internship based on criteria other than scholarship.
2. After application for admission to the professional internship, the student's application file will be reviewed by the Certification Office, and the student will be notified in writing of acceptance or denial. In the event of denial, the student may request an interview with the Committee for Admission to Professional Internship. The student may reapply for admission after deficiencies are met in lieu of or in addition to an interview.
3. Students may not enroll in additional courses during the professional internship. Requests for exceptions will be considered only in unusual cases.
4. Students majoring in Physical Education, Exercise Science, or Sport Management must retake and pass the AUM health-related fitness test prior to graduation.

II. Internship requirements:

A. The student must complete a professional internship.

B. Interns must be exposed to and given experience in all responsibilities of the classroom teacher.

C. Interns must be responsible for planning, teaching and evaluating at least one major unit of work.

D. The student will receive a letter grade in the internship. In the event the intern receives a letter grade of D or F, the student must reapply for and repeat the internship. The new application must be approved by the Committee for the Professional Internship prior to enrollment in the internship course.

III. Retention and completion requirements:

To remain in the professional program, each student shall make satisfactory progress as determined by continuous evaluation according to institutional policies and procedures. The following minimum requirements shall be met to qualify for Class B certification:

A. Effective February 25, 2022, satisfactory completion of a state-approved program with at least a 2.5 GPA on all work attempted and at least a 2.5 GPA with no grade less than a C accepted on all work attempted in the teaching field and in professional teacher education will be required.

B. Demonstrated readiness to teach through on-the-job performance as an intern as determined by use of the AUM Intern Evaluation form.

C. Completion of the Teacher Education Program no later than four years after admission to the program. A student who does not complete the program within a four-year period may be reinstated, consistent with AUM policy.

D. A passing score on the appropriate PRAXIS Test(s).

E. Any student who is not enrolled for two consecutive semesters must apply for readmission to professional education and meet all current requirements for teacher education.

IV. Persons to whom these criteria apply:

The student pursuing initial teaching certification at the B level must apply for admission to a professional internship and be screened according to the previously listed criteria.

Teacher Certification

Programs in the College of Education are approved by the Alabama Board of Education for certifying elementary, early childhood, special education, physical education, and secondary teachers. To receive the Alabama Class B teaching certificate, the applicant must apply through the College of Education's Teacher Certification Office after successful completion of all graduation requirements specific to their program. Requirements for a Class B certificate include:

1. An official transcript from AUM, a regionally accredited institution, documenting an earned bachelor's degree.
2. Satisfactory completion of a State-approved program with a minimum GPA of 2.5 overall, 2.55 in the teaching field, and 2.55 in professional studies courses with no grade below a C in professional studies courses will be required.
3. Successful completion of an internship.
4. Satisfactory scores on all Praxis II exams related to the teaching field in which the certification is sought.
5. Satisfactory scores on the edTPA (assessment completed and submitted during internship).

Transient Work

A student enrolled in the College of Education who wishes to take courses at another regionally accredited university may do so with permission. Approval may be granted if the student is in good standing. The College of Education will not accept professional studies courses taken at a junior/community college. This does NOT apply to subject specific content courses. Upper level professional studies course work (3000 and 4000 level courses) from other four-year institutions may not be transferred.

Reciprocity

To determine if you qualify for this privilege, communicate with the state department for which you are attempting to seek reciprocity.

Courses, Credits, and/or Programs Acceptable to Meet State Approved Program Requirements:

1. Transferred courses and/or credits used to meet approved program requirements in professional studies, instructional support, or other approved program requirements (courses other than general studies and Arts and Sciences type courses used to meet major requirements) must have been completed at a regionally accredited institution that prepares teachers on the same degree level of certification.
2. Courses, credits and/or degrees accepted from institutions outside the United States shall be substantiated by an evaluation of the foreign credentials from a state, federal, or private foreign credential evaluation service recognized by the Alabama State Department of Education Office of Teaching and Learning. The evaluation must show that courses, credits, and/or degrees were earned at an institution equivalent to a regionally accredited institution in the United States.

Student Affairs Committee

Students concerned about student evaluation, advising, recruitment, retention, student welfare and similar issues should contact the chairperson of the Student Affairs Committee of the College of Education as the initial step toward resolution.

Student Load

A normal semester load is 12 to 15 hours. Scheduling more than 18 hours requires written permission from the dean of the College of Education.

Programs in Education

Most programs in Education lead to certification through the Alabama State Department of Education. Programs resulting in Alabama Teacher Certification are subject to all regulations set forth by the Teacher Education Code. Implementation of additional requirements may be mandated by the Alabama State Department of Education and will supersede the current catalog program requirements. Candidates should consult their education advisor for specific program requirements necessary for certification.

UNIV 1000 will be required of all entering freshman/freshman transfer students and transfer students who have less than 24 earned credit hours and transfer students with a GPA of 2.2 or lower but in most cases is not included in the degree requirements for certification.

Certification Programs: Elementary Education Concentrations in Childhood Education, Early Childhood Education, and Elementary Education

The undergraduate Childhood Education Program at Auburn Montgomery prepares students for careers as classroom teachers in elementary or middle schools (grades K-6), early childhood center directors, Head Start teachers, or early childhood center teachers depending on the concentration chosen. Coursework will be provided in all subject areas, along with extensive field experiences in settings with infants, toddlers, and/or elementary-aged children. Professional Internship is provided in an Elementary/Middle School and/or an Alabama Head Start program. The Childhood Education concentration allows students to receive two levels of state certification, Early Childhood Education (grades P-3) and Elementary Education (grades K-6). This option requires two internships. The Early Childhood (P-3) concentration leads to state certification in Early Childhood Education and the Elementary Education (K-6) concentration leads to state certification in Elementary Education.

Requirements for Elementary or Early Childhood Education (P-6):

I. AUM Core Requirements

- a. Area I – Written Composition (ENGL 1010 and ENGL 1020) 6
- b. Area II – Humanities and Fine Arts* 12
- c. Area III – Natural Sciences and Mathematics 14
- d. Area IV – History, Social Sciences and Behavioral Sciences* 12
- Total Hours Core Curriculum Requirements 44

II. Professional Education Requirements 15

(**Required for admission to Professional Education)

- a. FNDS 2010**
- b. FNDS 2120**
- c. FNDS 2140**
- d. ESPE 3760
- e. INST 4703

III. Additional Requirements 18

- a. Biological or Physical Science
- b. Biological or Physical Science
- c. FNDS 4800
- d. MATH 1310
- e. MATH 1320
- f. Advisor approved MATH

IV. Major Requirements/Teaching Field 33

V. Internship Requirements 12

- a. ECCEL 4924 and/or ECHE4924 (both are taken if dual certification is sought)
- b. ECCEL 4453

*A sequence of Literature or History required

Requirements for Childhood Education (P-6):

I. AUM Core Requirements

a. Area I – Written Composition (ENGL 1010 and ENGL 1020)	6
b. Area II – Humanities and Fine Arts*	12
c. Area III – Natural Sciences and Mathematics	14
d. Area IV – History, Social Sciences and Behavioral Sciences*	12
Total Hours Core Curriculum Requirements	44

II. Professional Education Requirements 15

(**Required for admission to Professional Education)

- a. FNDS 2010**
- b. FNDS 2120**
- c. FNDS 2140**
- d. ESPE 3760
- e. INST 4703

III. Additional Requirements 18

- a. Biological or Physical Science
- b. Biological or Physical Science
- c. FNDS 4800
- d. MATH 1310
- e. MATH 1320
- f. Advisor approved MATH

IV. Major Requirements/Teaching Field 42

V. Internship Requirements 21

- a. ECEL 4924 and ECHE 4924
- b. ECEL 4453

*A sequence of Literature or History required

Physical Education (P-12)

The physical education/teacher certification program prepares candidates to teach physical education in a (P-12) school setting. Students will take methods of teaching and professional core courses leading to internships in both elementary and secondary schools. The candidates must meet Auburn University at Montgomery and Alabama State Department of Education teacher certification requirements. Prior to graduation the candidate must make a passing score on the PRAXIS II Exam.

Requirements for Physical Education (P-12):

I. AUM Core Requirements

a. Area I – Written Composition (ENGL 1010 and ENGL 1020)	6
b. Area II – Humanities and Fine Arts*	12
c. Area III – Natural Sciences and Mathematics	11
d. Area IV – History, Social Sciences and Behavioral Sciences*	12
Total Hours Core Curriculum Requirements	41

II Professional Education Requirements 15

(**Required for admission to Professional Education)

- a. FNDS 2010**
- b. FNDS 2120**
- c. FNDS 2140**
- d. INST 4703
- e. PHED 4160

III. Additional Requirements 12

- a. PHED 2203
- b. PHED 2130
- c. PHED 4030
- d. PHED 4183

IV. Physical Education (P-12) Major Requirements/Teaching Field	48
VI Internship Requirements	10
a. PHED 4914	
b. PHED 4924	
*A sequence of Literature or History required	

Secondary Education

General studies, professional studies and the academic teaching major are the principal components of the secondary education programs. Each component is important in the preparation of teacher candidates.

The undergraduate programs in secondary education are designed to prepare middle school, junior and senior high school teachers (grades 6-12) with:

1. A general education program consisting of required courses and electives approved by the student's academic advisor.
2. An academic major in one or more of the major instructional areas of the secondary school curriculum:

English Language Arts	General Science
Mathematics	History/Social Science

Note: Some secondary education majors will be assigned two academic advisors, one in the College of Education and another in the academic major.

Requirements for Secondary Education/General Science (6-12):

I. AUM Core Requirements

a. Area I – Written Composition (ENGL 1010 and ENGL 1020)	6
b. Area II – Humanities and Fine Arts*	12
c. Area III – Natural Sciences and Mathematics	15
d. Area IV – History, Social Sciences and Behavioral Sciences*	12
Total Hours Core Curriculum Requirements	45

II. Professional Education Requirements

(**Required for admission to Professional Education)

- a. FNDS 2010**
- b. FNDS 2120**
- c. FNDS 2140**
- d. ESPE 3760
- e. INST 4703

III. Additional Requirements

- a. FNDS 4800
- b. SCED 4000
- c. SCED 4050
- d. SCED 4130

IV. Secondary Education/General Science Major Requirements/Teaching Field.....

V. Internship Requirements

- a. SCED 4924
- b. SCED 4982

*A sequence of Literature or History required

Requirements for Secondary Education/English Language Arts (6-12):

I. AUM Core Requirements

a. Area I – Written Composition (ENGL 1010 and ENGL 1020)	6
b. Area II – Humanities and Fine Arts*	15
c. Area III – Natural Sciences and Mathematics	11
d. Area IV – History, Social Sciences and Behavioral Sciences*	12
Total Hours Core Curriculum Requirements	44

II. Professional Education Requirements	15
(**Required for admission to Professional Education)	
a. FNDS 2010**	
b. FNDS 2120**	
c. FNDS 2140**	
d. ESPE 3760	
e. FNDS 4703	
III. Additional Requirements	20
a. FNDS 4800	
b. SCED 4000	
c. SCED 4050	
d. SCED 4100	
e. READ 4000	
IV. Secondary Education/English Language Arts (6-12) Major Requirements/Teaching Field	39
V. Internship Requirements	10
a. SCED 4924	
b. SCED 4982	
*A sequence of Literature and History required	

Requirements for Secondary Education/Mathematics (6-12):

I. AUM Core Requirements	
a. Area I – Written Composition (ENGL 1010 and ENGL 1020)	6
b. Area II – Humanities and Fine Arts*	12
c. Area III – Natural Sciences and Mathematics	11
d. Area IV – History, Social Sciences and Behavioral Sciences*	12
Total Hours Core Curriculum Requirements	41
II. Professional Education Requirements	
(**Required for admission to Professional Education)	
a. FNDS 2010**	
b. FNDS 2120**	
c. FNDS 2140**	
d. ESPE 3760	
e. INST 4703	
III. Additional Requirements	15
a. ELEM 4100	
b. FNDS 4800	
c. SCED 4000	
d. SCED 4050	
e. SCED 4110	
f. READ 4000	
IV. Secondary Education/Mathematics (6-12) Major Requirements/Teaching Field	44
V. Internship Requirements	10
a. SCED 4924	
b. SCED 4982	
*A sequence of Literature or History required	

Requirements for Secondary Education/History/Social Science (6-12):

I. AUM Core Requirements	
a. Area I – Written Composition (ENGL 1010 and ENGL 1020)	6
b. Area II – Humanities and Fine Arts*	12
c. Area III – Natural Sciences and Mathematics	11
d. Area IV – History, Social Sciences and Behavioral Sciences*	12
Total Hours Core Curriculum Requirements	41

II. Professional Education Requirements	15
(**Required for admission to Professional Education)	
a. FNDS 2010**	
b. FNDS 2120**	
c. FNDS 2140**	
d. ESPE 3760	
e. INST 4703	
III. Additional Requirements	20
a. FNDS 4800	
b. SCED 4000	
c. SCED 4050	
d. SCED 4140	
e. READ 4000	
IV. Secondary Education/Social Science (6-12) Major Requirements/Teaching Field	39
V. Internship Requirements	10
a. SCED 4924	
b. SCED 4982	
*A sequence of Literature or History required	

Special Education

The undergraduate programs in Special Education at Auburn Montgomery lead to teacher certification in the areas of Early Childhood Special Education, Collaborative Teacher (K-6), and Collaborative Teacher (6-12). Each program of study culminates with a one semester internship in a school setting where the candidate has the opportunity to demonstrate abilities and skills as a professional educator. Candidates seeking degrees in these areas will be prepared to provide special education services to infants, toddlers, children, and youth with disabilities.

Candidates in the area of Early Childhood Special Education will hold credentials to work in Early Intervention as well as Preschool Special Education.

Requirements for Early Childhood Special Education (Birth – Age 8):

I. AUM Core Requirements	
a. Area I – Written Composition (ENGL 1010 and ENGL 1020)	6
b. Area II – Humanities and Fine Arts*	12
c. Area III – Natural Sciences and Mathematics	11
d. Area IV – History, Social Sciences and Behavioral Sciences*	12
Total Hours Core Curriculum Requirements	41
II. Professional Education Requirements	15
(**Required for admission to Professional Education)	
a. FNDS 2010**	
b. FNDS 2120**	
c. FNDS 2140**	
d. ESPE 3760	
e. INST 4703	
III. Additional Requirements	15
a. Biological or Physical Science	
b. Biological or Physical Science	
c. MATH 1310	
d. MATH 1320	
e. Advisor approved Math	
IV. Early Childhood Special Education Major Requirements/Teaching Field	43
V. Internship Requirements	6
*A sequence of Literature or History required	

Candidates seeking a degree in Collaborative Teacher (K-6) will hold credentials to work with kindergarten through sixth grade students with special needs. A dual program that combines Collaborative Teacher (K-6) and (6-12) is also available. Students complete the requirements with both programs and take ESPE 4925 K-12 Professional Internship.

Requirements for Collaborative Teacher (K-6):

I. AUM Core Requirements

- a. Area I – Written Composition (ENGL 1010 and ENGL 1020)6
- b. Area II – Humanities and Fine Arts*12
- c. Area III – Natural Sciences and Mathematics11
- d. Area IV – History, Social Sciences and Behavioral Sciences*12
- Total Hours Core Curriculum Requirements41

II. Professional Education Requirements15

(**Required for admission to Professional Education)

- a. FNDS 2010**
- b. FNDS 2120**
- c. FNDS 2140**
- d. ESPE 3760
- e. INST 4703

III. Additional Requirements15

- a. Biological or Physical Science
- b. Biological or Physical Science
- c. MATH 1310
- d. MATH 1320
- e. Advisor Approved MATH

IV. Collaborative Education (K-6) Major Requirements/Teaching Field.....43

V. Internship Requirements6

- a. ESPE 4924 or
- b. ESPE 4925 (taken if completing the dual certification option)

*A sequence of Literature or History required

The program area of Collaborative Teacher 6-12 provides the candidate with the skills necessary to provide special education services in the secondary school environment. A dual program that combines Collaborative Teacher (K-6) and (6-12) is also available. Students complete the requirement for both programs and take ESPE 4925 K-12 Professional Internship.

Requirements for Collaborative Teacher (6-12):

I. AUM Core Requirements

- a. Area I – Written Composition (ENGL 1010 and ENGL 1020)6
- b. Area II – Humanities and Fine Arts*12
- c. Area III – Natural Sciences and Mathematics11
- d. Area IV – History, Social Sciences and Behavioral Sciences*12
- Total Hours Core Curriculum Requirements.....41

II. Professional Education Requirements15

(**Required for admission to Professional Education)

- a. FNDS 2010**
- b. FNDS 2120**
- c. FNDS 2140**
- d. ESPE 3760
- e. INST 4703

III. Additional Requirements15

- a. Biological or Physical Science
- b. Biological or Physical Science
- c. MATH 1310

d. MATH 1320	
e. Advisor Approved MATH	
IV. Collaborative Teacher (6-12) Major Requirements/Teaching Field	43
V. Internship Requirements	6
a. ESPE 4924 or	
b. ESPE 4925 (taken if completing the dual certification option)	
*A sequence of Literature or History required	

Non-Certification Programs: Kinesiology Exercise Science

The exercise science program prepares candidates for a career or advanced study in exercise physiology and research in related fields including health promotion, cardiac rehabilitation, physical fitness, wellness and corporate fitness, human performance, and strength and conditioning. Students take classes in anatomy and physiology, kinesiology and biomechanics, measurement and evaluation, nutrition, the physiology and science of conditioning, and clinical exercise science. AUM's exercise science program is also an Educationally Recognized Program (ERP) by the National Strength and Conditioning Association (NSCA) at both the undergraduate and graduate levels. Pre-professional preparation can also be fulfilled for those seeking careers in physical and occupational therapy.

Requirements for Kinesiology (Non-Certification/Non-PT Track):

I. AUM Core Requirements	
a. Area I – Written Composition (ENGL 1010 and ENGL 1020)	6
b. Area II – Humanities and Fine Arts*	12
c. Area III – Natural Sciences and Mathematics	11
d. Area IV – History, Social Sciences and Behavioral Sciences*	12
Total Hours Core Curriculum Requirements	41
II. Required Course	19
a. BIOL 2100/2101	
b. BIOL2110/2111	
c. PHED 2010	
d. PHED 2203	
e. 2PHED Activity Courses	
III. Exercise Science (Non-Certification/Non-PT Track) Major Requirements	25
IV. Advisor Approved electives	26
V. Internship Requirements (Must be admitted to the Internship)	9
a. PHED 4922	
*A sequence of Literature or History required	

Requirements for Kinesiology (Non-Certification/Pre-PT Track):

I. AUM Core Requirements	
a. Area I – Written Composition (ENGL 1010 and ENGL 1020)	6
b. Area II – Humanities and Fine Arts*	12
c. Area III – Natural Sciences and Mathematics	11
d. Area IV – History, Social Sciences and Behavioral Sciences*	12
Total Hours Core Curriculum Requirements	41
II. Required Courses	19
a. BIOL 2100/2101	
b. BIOL 2110/2111	
c. PHED 2010	
d. PHED 2203	
e. 2 PHED Activity Courses	
III. Exercise Science (Non-Certification/Pre-PT Track) Major Requirements	25
IV. Advisor Approved electives	29

V. Internship Requirements (Must be admitted to the Internship)9

a. PHED 4922

*A sequence of Literature or History required

Sport Management

The undergraduate sport management program at Auburn Montgomery will assist students in preparing for sport related careers. A combination of sport related coursework and business class work will develop the knowledge and skills necessary to enter the sport industry. Instructors will assist students in exploring and determining potential career paths. Courses will focus on the uniqueness of sport in areas such as marketing, facility management, risk management and legal issues, leadership, ethics, etc. An internship is required.

Requirements for Sport Management (Non-Certification):

I. AUM Core Requirements

- a. Area I – Written Composition (ENGL 1010 and ENGL 1020).....6
- b. Area II – Humanities and Fine Arts*12
- c. Area III – Natural Sciences and Mathematics.....11
- d. Area IV – History, Social Sciences and Behavioral Sciences*12
- Total Hours Core Curriculum Requirements41

II. Required Courses15

(**Required for admission to Professional Studies)

- a. PHED 2010**
- b. PHED 2003**
- c. PHED 2203
- d. PHED 2020**
- e. PHED 4363**

III. Sport Management Major Requirements/Professional Studies/Elective58

IV. Internship Requirements6

a. PHED 4934

*A sequence of Literature or History required

Minor in Sports Nutrition

The sports nutrition minor provides the student with a strong foundation in nutrition principles and assessment in the context of sport.

Students must complete fifteen hours in the following courses:

- PHED 4210 Nutrition Assessments3
- PHED 4220 Lifecycle and Community Nutrition3
- PHED 4240 Metabolism and Function of Nutrients I3
- PHED 4280 Metabolism and Function of Nutrients II3
- PHED 4950 Advanced Topics in Sports Nutrition.....3

Minor in Human Nutrition

In partnership with the College of Sciences’ Biology and Environmental Science Department, the Kinesiology Department supports a minor in Human Nutrition. This minor provides the student with a strong foundation in nutrition principles and assessment in the context of human health and disease.

Students must complete fifteen hours in the following courses:

- BIOL 2000 Nutrition3
- PHED 4210 Nutrition Assessments3
- PHED 4220 Lifecycle and Community Nutrition3
- PHED 4240 Metabolism and Function of Nutrients I3
- PHED 4280 Metabolism and Function of Nutrients II3

Minor in Sport Management

The minor in sport management provides the student with a strong foundation in the business of sport.

Students must complete fifteen hours in the following courses:

PHED 4310 Ethics in Sport	3
PHED 4330 Sport Marketing	3
PHED 4340 Risk Management and Legal Issues	3
PHED 4360 Sport Finance	3
PHED 4380 Leadership in Sport Organizations	3
PHED Elective.....	3

Minor in Strength and Conditioning

The minor in strength and conditioning will meet the needs of students interested in attaining the national Certified Strength and Conditioning Specialist (CSCS) certification from the National Strength and Conditioning Association.

Students must complete fifteen hours in the following courses:

BIOL 2100/2101 Anatomy and Physiology I	3/1
PHED 4003/4004 Physiology of Exercise/Lab	4/1
PHED 4043 Kinesiology	3
PHED 4153 Exercise Prescription	3
PHED 4193/4183 Measurement and Evaluation	3
PHED 4230 Principles of Strength and Conditioning	3

College of Liberal Arts and Social Sciences

Dr. Andrew McMichael, Dean

Faculty:

Communication and Theatre

Professors Siebel, M. Winkelman, and V. Winkelman
Associate Professors Gamble, Killmeier (Chair), and Kim
Assistant Professor Zhang
Senior Lecturers Tate and Wallace
Lecturer Irwin

Criminal Justice

Professor Chon
Associate Professors Kaur, Pelfrey (Interim Chair), and Younker
Assistant Professors McNett and Napper

Economics:

Professors Clark, Ligeon, and Moore
Associate Professors Francisco, Lan, and Runco
Assistant Professor Roy Choudhury
Senior Lecturer Bates

English and Philosophy

Professors Cobb, Harris-Fain, Kelley, and Sterling
Associate Professors Aaij, Howard, Klevay, Reno, and Toland-Dix
Assistant Professors Comi, Gooch, Quaney, and Witcher
Senior Lecturers Burrows, H. Fowler, Gray, Locklear, and Shifferd
Lecturers Boyle, A. Fowler, Harrison, Kelm, Maning, Orlofsky, and Sims

Fine Arts

Associate Professors Baine, Benson, Fenn (Chair), Ghodke, Hairstans, Jensen, and Whatley
Lecturer Veronese

History and World Cultures

Professors Burger, Farrow (Chair), Krawczynski, Severance, Wells, and Zhai
Senior Lecturer Barragan
Lecturer Fox

Political Science and Public Administration

Professors Cortell (Chair) and Kalu
Associate Professor Hughes
Assistant Professors Bark, Howard, and Knigge

Sociology, Anthropology and Social Work

Professors Brackett (Associate Dean), Feltmate and Tang
Associate Professors Cashwell, Lehman, and Pyszka (Chair)
Clinical Assistant Professor Allen

Programs:

Communication

- Communication
- Theatre

Economics

- International Economics and Commerce
- Political Economics
- Traditional Economics

English

Bachelor of Arts - Fine Arts

- Art History
- Visual Art

Bachelor of Fine Arts

- Ceramics
- Drawing and Painting
- Graphic Design
- Photography
- Sculpture

History

Bachelor of Interdisciplinary Studies

- Health Studies
- Leadership and Professional Studies
- Liberal Arts and Social Sciences
- Teaching and Learning

Criminal Justice

- Legal Studies

Political Science

ROTC Army/Military Science & Leadership Curriculum

Social Work

Sociology

- Anthropology
- General Sociology
- Marriage and Family
- Pre-Social Work

American Society and Culture Certificate

Museum Studies Certificate

Professional and Technical Writing Certificate

Substance Abuse Prevention Certificate

Pre-Law

College of Liberal Arts and Social Sciences

The College of Liberal Arts and Social Sciences offers students a traditional liberal education informed by the needs of the 21st century. The College develops students' ability to reason; to compute; to write and speak; to exercise a conscious aesthetic sensibility; and to do these things with clarity and precision. These capacities are a means to understanding the wider world and to attaining the self-understanding that makes one free. The College is also rooted in Auburn University at Montgomery's land grant tradition of cultivating the larger society and so embraces a mission to bring these ideals to the community beyond its walls.

General Considerations

A student who is undecided about his or her major will be classified as undeclared and will be advised by the Office of Central Advising. These students must choose a major by the completion of 41 semester hours of credit.

In all curricula within the College of Liberal Arts and Social Sciences, the major consists of a minimum of 36 hours (see departmental requirements), a minor of at least 12 hours (where required by the major) and sufficient electives to ensure the completion of a minimum of 120 semester hours of course work. All students majoring in programs in the college must fulfill the expectations of the University Core Curriculum and UNIV 1000 requirements.

AUM Core Curriculum Requirements	Semester Hours
Area I. Written Communication	
English Composition (ENGL 1010 and ENGL 1020).....	6
Area II. Humanities and Fine Arts	12
Literature ² (minimum of 3 semester hours)	
Fine Arts ³ (minimum of 3 semester hours).....	
Humanities and Fine Arts Elective(s)	
Area III. Natural Sciences and Mathematics	11
Physical Science and Biological Science ⁴	8
Mathematics ⁵	3
Area IV. History, Social Sciences and Behavioral Sciences	12
History (minimum of 3 semester hours)	
History, Social Science and Behavioral Science Electives ⁶	
University Success (UNIV) ⁷	3
Total Hours	44

¹See section on Testing for English Placement Testing.

² One mandatory literature course. Students must complete a 6 semester hour sequence either in literature or in history. If two literature courses are taken in a sequence, then only one history course is required (Minimum of 12 semester hours required in Area II.)

³The course must be selected from the following: VISU 1000, ARTH 2030, ARTH 2040, VISU 2060, MUSI 2110, THEA 2040.

⁴Both courses must include laboratory experiences.

⁵Students may need to complete placement testing before registering for mathematics courses if there are no ACT or SAT scores.

⁶ One mandatory history course. Students must complete a 6 semester hour sequence either in literature or in history. If two history courses are taken in a sequence, then only one literature course is required (Minimum of 12 semester hours required in Area IV.)

⁷The following students are exempt from UNIV: transfer students with more than 24 earned credit hours and GPAs above 2.20, students seeking a second degree, transient, dual enrollment, unclassified, or graduate students

Coursework specific to each major in the college is shown on the following pages.

Communication and Theatre

The Department of Communication and Theatre includes two disciplines: communication (journalism, public relations, and communication studies), and theatre, each of which is a concentration in the communication degree.

The areas provide a valuable body of knowledge dealing with the art and practices of communication. Each student majoring in one of the communication disciplines must complete at least 12 hours or more of the courses required within that discipline while in residence at AUM. Grades below C in the student's major are not acceptable for graduation.

In addition to the university core curriculum requirements, a student electing to major in the department must satisfy the following requirements:

I. AUM Core Curriculum Requirements	Semester Hours
Area I. Written Communication	
English Composition (ENGL 1010 and ENGL 1020).....	16
Area II. Humanities and Fine Arts	
Literature ²	6
Fine Arts ³	6
Area III. Natural Sciences and Mathematics	
Physical Science and Biological Science ⁴	8
Mathematics ⁵	3
HIST 1080 HIST 1090.	

I. Departmental Requirements	Semester Hours
Communication (COMM 1010 or COMM 2212) ¹	3
Foreign Language (8 hours in one foreign language).....	8
Social Science.....	3
Total Hours.....	11-14

¹COMM 2212 required for Communication option.

II. Minor Requirements	Semester Hours
Total Minimum Hours.....	12

III. Electives	9
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IV. Major Requirements

Option 1: B.A. in Communication Concentration in Communication

This program provides a concentration within the Department of Communication and Theatre for students interested in the theories and skills involved in professional communication (journalism, media production, and public relations). Students must elect the journalism concentration, public relations concentration, or communication studies concentration.

A. Required of All Students	Semester Hours
COMM 2100 Media and Culture.....	3
COMM 2703 Media Writing I.....	3
COMM 3820 Media Law and Ethics.....	3
COMM 4130 Media Research Methods.....	3
B. Journalism concentration required courses:	
COMM 2743 Media Writing II.....	3
COMM 2773 Video Production I.....	3
COMM 2783 Multimedia Journalism.....	3
COMM 3743 Advanced Media Writing.....	3
Communication Electives.....	22
C. Public Relations concentration required courses:	
COMM 2743 Media Writing II.....	3
COMM 2800 Public Relations I.....	3
COMM 3843 Writing for Public Relations.....	3
COMM 3800 Public Relations II.....	3
Communication Electives.....	22
Total Hours.....	46
D. Communication Studies concentration required courses:	
COMM 1010 Intro to Human Communication.....	3
Three COMM Writing courses from the following:	
COMM 2743, 2914, 3300 (with approval), 3743, 3843, 4010, 3703, THEA 4013,	
or any COMM WI course not applied elsewhere.....	9

Three COMM Theory/Criticism courses from the following: COMM 2120, 2250, 3020, 3000, 3120, 3130, 3210, 3300 (with approval), 3710, 3753, 3800, 3830, 3900, 3910, 4720, 4800, or THEA 4320	9
Three COMM Practices courses from the following: COMM 2763, 2783, 2914, 3003, 3130, 3300 (with approval), 3760, 3763, 3914, 4733, 4800, THEA 2113, THEA 3413, THEA 3433, THEA 3453, THEA 3463, THEA 3973, VISU 2712, or VISU 2812...	9
Communication Electives	3-6

Option 2: B.A. in Communication Concentration in Theatre

A. Requirements	Semester Hours
THEA 2040 Theatre Appreciation	3
THEA 2103, THEA 2113 and/or THEA 2123 Introduction to Technical Theatre.....	6
THEA 3413 Acting	3
THEA 3613 Scene Design.....	3
THEA 4310 and THEA 4320 Theatre History	6
Theatre Electives.....	12
THEA 2914 Theatre Practicum	1-4
ENGL 3050 Advanced Expository Writing.....	3
ENGL 4080 Literary Criticism	3
ENGL Drama Course.....	3
Total Hours	43-46
B. Minor Requirements	
Total Hours	12
C. Electives	9
Total Minimum Requirements	120-122

Minor in Communication

A broad minor focusing on various aspects of communication.

Students must complete twelve hours of courses from the following:

COMM 2100 Media and Culture	3
COMM 2120 Film Appreciation	3
COMM 2130 Small Group Communication	3
COMM 2212 Public Speaking	3
COMM 2703 Media Writing I	3
COMM 2743 Media Writing II	3
COMM 2763 Digital Audio Production I	3
COMM 2773 Digital Video Production I	3
COMM 2783 Multimedia Journalism	3
COMM 3000 Intercultural Communication	3
COMM 3003 Oral Communication	3
COMM 3010 Opinion Writing	3
COMM 3020 Visual Communication	3
COMM 3120 Interpersonal Communication	3
COMM 3130 Sports Communication	3
COMM 3210 Horror Film.....	3
COMM 3300 Special Topics	3
COMM 3310 Speech Writing	3
COMM 3350 Communication and Gender	3
COMM 3723 Feature Writing	3
COMM 3743 Advanced Media Writing	3
COMM 3750 Social Media	3
COMM 3753 Advertising Media	3
COMM 3763 Digital Video Production II	3

COMM 3800 Public Relations I	3
COMM 3813 Editing & Design	3
COMM 3820 Media Law and Ethics	3
COMM 3843 Writing for Public Relations.....	3
COMM 3900 Documentary Film.....	3
COMM 4130 Media Research Methods	3
COMM 4800 Public Relations II	3
Other COMM courses may be substituted with Department Chair approval.	

Minor in Theatre

A broad minor focusing on theatre production, performance, and history. Courses used for the minor must be in addition to all other curriculum requirements.

Students must complete twelve hours of courses from the following:

THEA 2040 Theatre Appreciation (if not used to fulfill a core requirement)	3
THEA 2103 Stagecraft	3
THEA 2113 Stage Lighting.....	3
THEA 2123 Costume Construction	3
THEA 3413 Fundamentals of Acting	3
THEA 3423 Intermediate Acting.....	3
THEA 3433 Voice for the Actor.....	3
THEA 3443 Stage Movement	3
THEA 3453 Directing	3
THEA 3463 Stage Management	3
THEA 3593 Makeup Design.....	3
THEA 3603 Scene Painting	3
THEA 3613 Scene Design	3
THEA 3623 Rendering.....	3
THEA 3633 Costume Design	3
THEA 3713 Theatre Administration.....	3
THEA 4013 Playwriting	3
THEA 4310 Dramatic Literature and Theatre History I	3
THEA 4320 Dramatic Literature and Theatre History II	3
THEA 4413 Dialects and Phonetics.....	3
Special topics theatre, studies in drama, and independent studies in theatre as offered	3

Criminal Justice Major

The undergraduate program in criminal justice offers the Bachelor of Science degree to the student seeking comprehensive education for a professional career in the criminal justice field. This major provides broad academic preparation in both general education and advanced course work of a specialized nature in either the criminal justice track or the legal studies track.

The student may not transfer more than the equivalent of half the required hours of criminal justice course work into his or her major area. The degree requires 120 semester hours of course work, which include the university general education requirements, the major required and elective courses described below, and general electives. Students must choose COMM 1010 or 2212, as one of the two required Area II Core courses. Students are encouraged to complete the following Area IV Core courses: JUST 1270, POLS 1020 or POLS 1200, and SOCI 2000.

Criminal Justice Concentration

The criminal justice concentration provides preparation for careers in corrections, juvenile justice, law enforcement and security administration. Students must complete nine required courses (27 hours) as well as an additional seven (21 hours) Criminal Justice electives. Required AUM Core Curriculum and UNIV 1000 (43 Hours). Please see AUM Core Curriculum requirements and UNIV requirement.

Required Courses (27 hours)¹	Semester Hours
JUST 1150 Introduction to the American Criminal Justice System	3
JUST 2010 Criminal Justice Information Systems	3
JUST 2620 Criminal Law.....	3
JUST 2760 Statistics and Data Management for Social Sciences.....	3
JUST 3040 Organization and Administration.....	3
JUST 3220 Criminal Justice Ethics	3
JUST 3570 Criminal Justice Policy	3
JUST 4700 Research Methods	3
JUST 4750 Survey of Crime Theories	3
Total Required Hours	27

¹Students must earn a grade of “C” or better in each of the required courses.

Required Criminal Justice Electives (21 hours)

Minors in Criminal Justice (15 hours)

Corrections

- JUST 1150 Introduction to the American Criminal Justice System
- JUST 2620 Criminal Law
- JUST 3510 Corrections: Theory and Practice
- JUST 4420 Correctional Management
- JUST 4530 Community Corrections

Juvenile Justice

- JUST 1150 Introduction to the American Criminal Justice System
- JUST 2620 Criminal Law
- JUST 3540 Juvenile Justice Law
- JUST 3670 Family Law
- JUST 4610 Juvenile Justice Administration

Law Enforcement

- JUST 1150 Introduction to the American Criminal Justice System
- JUST 1250 Law Enforcement Theory and Practice
- JUST 2620 Criminal Law
- JUST 3130 Supervision and Management
- JUST 4410 Law Enforcement Administration

Security Administration

- JUST 1150 Introduction to the American Criminal Justice System
- JUST 1160 Introduction to Security
- JUST 2620 Criminal Law
- JUST 4370 Security Administration
- JUST 4580 Loss Prevention

Legal Studies Concentration

The Legal Studies Concentration provides preparation for careers in the fields of paralegal/legal assistant and judicial administration. Students interested in pursuing law school may wish to consider the Legal Studies Concentration, although no specific major is required by most law schools.

The paralegal education program is approved by the American Bar Association. Students completing the Legal Studies Concentration will receive the paralegal certificate. Additionally, students completing the Minor in Legal Studies will receive the certificate.

Please note: The Outreach Program paralegal certificate courses offered at Auburn University, Auburn, Alabama, are not ABA-approved.

Paralegals/legal assistants are not lawyers, but rather assist lawyers. Please note that Alabama law prohibits the practice of law by non-lawyers, including paralegals/legal assistants. Paralegals may not provide legal services directly to the public, except as permitted by law.

The objective of the paralegal education program is to produce an extremely competent and well-rounded individual who will be able to assist an attorney in various areas of the law. AUM is an institutional member of the American Association for Paralegal Education.

No student earning a grade of F in a required legal studies course at AUM will be permitted to transfer credit from another school to offset that lower grade; the course must be repeated in residence at AUM. All transfer credits must be approved by the paralegal education program director.

**JUST 1270, Introduction to the American Legal System, satisfies AUM Area IV Core.

Required Legal Studies Courses ¹	Semester Hours
JUST 1150 Introduction to the American Criminal Justice System	3
**JUST 1270 Introduction to the American Legal System.....	(3)
JUST 2700 Legal Studies and Ethics	3
JUST 2740 Law Office Management.....	3
JUST 2760 Statistics and Data Management for Social Sciences	3
JUST 2813 Technology in Law.....	3
JUST 3650 Civil Litigation	3
JUST 4602 Legal Research.....	3
JUST 4622 Legal Writing	3
JUST 4660 Court and Judicial Administration	3
JUST 4710 Alternative Dispute Resolution.....	3
BUSN 3060 Business Communications OR ENGL 3060 Business and Professional Writing	3
Total Hours	33 (36**)

¹ Students must earn a grade of “C” or better in each of the required Legal Studies courses.

** Course required if not completed as an Area IV core requirement.

Legal Studies Concentration Required Electives (18 hours)

Select 6 courses from Tiers I and II; at least 4 courses must be from Tier I.

Tier I.

JUST 2620 Criminal Law	3
JUST 3670 Family Law	3
JUST 3680 Tort Law	3
JUST 3730 Real Estate Law	3
JUST 4640 Criminal Procedure.....	3
JUST 4690 Wills, Trusts, and Estates.....	3

Tier II.

JUST 3540 Juvenile Justice Law.....	3
JUST 4590 Bankruptcy Law.....	3
JUST 4600 Business Organizations	3
JUST 4720 Government Power and Civil Rights	3
JUST 4780 Administrative Law	3
JUST 4924 Internship	3
JUST 4930 Directed Research	3
ENGL 3050 Advanced Expository Writing.....	3
Total Hours Required from Tiers I and II	18

Minor in Legal Studies

The Legal Studies minor is designed for students who seek to develop legal and paralegal skills, while at the same time earning an ABA-approved paralegal certificate through the methodology of study, practice, and application.

Required Courses for the Minor in Legal Studies (18).

JUST 2700 Legal Studies & Ethics	3 credit hours
JUST 2740 Law Office Management	3 credit hours
JUST 2813 Technology in Law	3 credit hours
JUST 3650 Civil Litigation	3 credit hours
JUST 4602 Legal Research	3 credit hours
JUST 4622 Legal Writing	3 credit hours

*JUST 1270 Introduction to the American Legal System (3 credit hours) is a required prerequisite course.

Economics Major

The Department of Economics offers a Bachelor of Science degree in Economics through the College of Liberal Arts and Social Sciences (CLASS). The Bachelor of Science in Economics provides students with a solid foundation in economic analysis and prepares students for careers in business, financial institutions and the public sector. In addition, the curriculum prepares students for graduate or professional schools in business, law, economics, international studies and other related fields of study.

Students who pursue the Bachelor of Science in Economics can focus on one of three options:

1. Traditional Economics — this option prepares students to work in various areas of economics including financial and investment firms, large corporations, trade associations, and federal, state, and local government agencies.
2. International Economics and Commerce — students will be trained to work in multinational corporations and concentrate on forecasting sales, understanding the importance of exchange rates, arbitrage and speculation, and trade policies. This option could include the Study Abroad Program that concentrates on studying the European Union economy in London, Paris, and Frankfurt.
3. Political Economy — students choosing this option will be prepared to work in government or public economics including health, education and welfare. It is also a great preparatory field for law school candidates.

The requirements for a degree in Economics are as follows:

I. AUM Core Curriculum Requirements	Semester Hours
University Success (UNIV ²)	
Total Hours	44

II. Additional Requirements	Semester Hours
Sociology (SOC1 2000 or GEOG 2050) ³	3
Political Science (POL1 1200 or POL1 1020) ³	3
Justice and Public Safety (JUST 1150 or JUST 1270) ³	3
Philosophy	3
Additional 3 hours from any of the above	3
Additional 3 hours from any of the above	3
ENGL 3050 or ENGL 3060 or COMM 3800	3
CSCI 1000 or INFO 2050	3
ECST 2760 or equivalent	3
Total Hours	27

³ These courses are required and can be taken as part of the AUM core curriculum requirement.

III. Economics Major Requirements⁴	Semester Hours
ECON 3120: Intermediate Macroeconomics	3
ECON 3110: Intermediate Microeconomics	3
ECON 3700: Economic Analysis and Methods.....	3
ECON 3710: Economics Forecasting and Data Analysis.....	3
ECON 4800: Senior Seminar in Economics	3
Total Hours	12

⁴ Students must earn a grade of "C" or better in each of these four required courses.

IV. Option Requirements	Semester Hours
Traditional Economics option:	
3000/4000 Economics Electives.....	9
Electives (3000/4000 level electives from COB, CLASS, COS or MATH 1610 and higher)	0
Total Hours	9
International Economics and Commerce option:	
ECON 4050: International Institutions and Contemporary Trade Policy	3
ECON 4700: International Economics	3
Economics Electives (ECON 3050, ECON 3520, ECON 4200)	3
Foreign Language	8
Electives (3000/4000 level electives from COB, CLASS, COS or MATH 1610 and higher)	0
Total Hours	14
Political Economy option:	
ECON 3500: Labor Economics.....	3
ECON 4650: Public Finance	3
POLS 3280: International Political Economy	3
POLS Electives (3000/4000 level).....	6
Electives (3000/4000 level electives from COB, CLASS, COS or MATH 1610 and higher)	0
Total Hours ^[OBJ]	12
Total Hours Required	121-122

Minor in Economics

The Minor in Economics benefits students in all majors who are unable to do a double major in economics. Economics is concerned with the creation, consumption, and transfer of wealth, which are important areas for all students to understand. The economics minor will increase students' understanding of microeconomics and macroeconomics.

The minor in economics consists of 12 credit hours (4 economics courses). Two of those courses are required courses and the other two courses can be selected from the 3000/4000 level economics courses*.

The two required Economics courses are:

ECON 2010, Principle of Micro-Economics
 ECON 2020, Principle of Macro-Economics

* Students are required to take the pre-requisites for the economics courses

The remainder of the courses will be electives and can be chosen from the list below:

ECON 3050, ECON 3500, ECON 3520, ECON 3540, ECON 3600, ECON 3700, ECON 3800, ECON 3850, ECON 4050, ECON 4200, ECON 4270, ECON 4300, ECON 4310, ECON 4600, ECON 4650, ECON 4700, ECON 4800, ECON 4970⁵ or other 3000/4000 economics electives

⁵ Students who count ECON 4970 Special Problem: Chinese Economy towards the minor, cannot count ECON 4200: Chinese Economy towards the minor.

⁵ Students who count ECON 4970 Special Problem: Industrial Organization towards the minor, cannot count ECON 4300: Industrial Organization towards the minor.

⁵ Students who count ECON 4970 Special Problem: Games and Strategy towards the minor, cannot count ECON 4310: Games and Strategy towards the minor.

English and Philosophy

The Department of English and Philosophy offers courses in the separate disciplines of English and philosophy.

The English program, leading to a Bachelor of Arts degree in English, is designed to meet the needs of those who want to develop critical skills in reading, writing and thinking as well as a knowledge of the history of ideas through the study of literature and writing; those desiring a firm undergraduate foundation preparatory to graduate studies in English and related fields; those wishing to prepare for careers that require verbal and analytical skills, such as law, professional writing, and technical writing; and those who value education as intellectual and aesthetic enrichment.

Although the department does not offer a degree program in philosophy, students may complete a minor in this area.

All students majoring in English must complete the AUM Core Curriculum and UNIV requirements. The requirements for a degree in English are as follows:

I. AUM Core Curriculum Requirements	Semester Hours
University core courses	44
<i>Please see elsewhere for information about the core curriculum</i>	
<i>For AREA II of the core curriculum it is recommended students complete the following:</i>	
<i>A literature survey sequence</i>	
<i>COMM 1010, 2100, or 2212</i>	
<i>A Fine Arts appreciation course: MUSI 2110, THEA 2040, VISU 1000, ARTH 2030, ARTH 2040, or VISU 2600</i>	
<i>For Area IV of core curriculum, it is recommended students complete a sequence in History.</i>	
II. English Major Requirements	
ENGL 2500 English as a Field of Study	3
PHIL 2010, Introduction to Philosophy*	3
PHIL 2000, 2030, 2100, or Upper Level Philosophy	3
Linguistics: ENGL 3070, 4050, or 4070	3
ENGL 4080, Literary Criticism	3
ENGL 3010, Introduction to Professional Writing*	3
Creative Writing: ENGL 4002, 4010, 4012, 4020, or 4040*	3
Diversity Course: ENGL 4140, 4360, 4620, 4750, 4790, or others as approved	3
ENGL 4270, Studies in Shakespeare	3
4000-level literature courses**	12
English Electives	
ENGL 4950, English Capstone	3
Minor, Certificate, or informal concentration	12
Free electives	15
Total Hours	33
<i>* students minoring in philosophy or creative writing or completing the Certificate in Professional and Technical Writing may waive required courses in these areas and complete additional ENGL electives instead.</i>	
<i>**from the literature electives, students must complete one course in literature before the eighteenth century, one course in eighteenth or nineteenth century literature, and one course in twentieth or twenty-first century literature.</i>	
III. Minor Requirements	12
IV. Electives	12
Total Required Hours	120

Minor in English Language and Literature

The minor in English Language and Literature helps students develop a greater understanding and appreciation of literature and other narrative works written in English and how the English language is used.

The minor in English Language and Literature consists of 12 credit hours in English language, literature, and film courses at the 3000 and 4000 level.

Minor in Creative Writing

The minor in Creative Writing helps students interested in writing fiction, poetry, drama, or creative nonfiction to develop their craft and to prepare their work for publication.

The minor in Creative Writing consists of 12 credit hours: ENGL 4002 Introduction to Creative Writing plus three creative writing classes from the following menu:

ENGL 4010 Poetry Writing Workshop	3
ENGL 4012 Special Topics in Creative Writing	3
ENGL 4020 Fiction Writing Workshop	3
ENGL 4040 Creative Nonfiction	3
ENGL 4935 Directed Creative Writing	3

Minor in Writing and Editing

The minor in Writing and Editing helps students prepare for careers in publishing, public relations, and other areas involving professional writing and editing.

The minor in Writing and Editing consists of 12 credit hours in four English writing and editing classes, to be chosen from the following menu:

ENGL 3030 Technical Writing	3
ENGL 3060 Business and Professional Writing	3
ENGL 4120 Writing in Material and Digital Spaces	3
ENGL 4924 Internship in Writing and Editing	3-6
ENGL 4973 Editing and Editors	3

Minor in Philosophy

The minor in philosophy helps student better understand the discipline of philosophy and is an excellent undergraduate minor for students considering law school or graduate work in religion or philosophy.

The minor in Philosophy consists of 12 credit hours in philosophy.

Certificate in Professional and Technical Writing

The Certificate in Professional and Technical Writing may be completed by taking ENGL 3010, Introduction to Professional and Technical Writing, and three courses from the following:

- ENGL 3030 Technical Writing
- ENGL 3060 Business and Professional Writing
- ENGL 4170 Writing for Digital Media
- ENGL 4294 Internship in Writing and Editing
- ENGL 4973 Editing and Editors

Fine Arts

The Department of Fine Arts includes the disciplines of art and music, offering programs of study in visual art, art history, sculpture, ceramics, painting and drawing, photography, and graphic design. The department also offers six minors in art, and one in music.

Bachelor of Arts in Fine Arts and Bachelor of Fine Arts (B.F.A.) in Art

There are two concentrations leading to the B.A. in Fine Arts. The first concentration is visual art, a broad program of study in the tradition of the Liberal Arts. The second concentration is art history. Coursework in these areas provides students with knowledge of art and art history, as well as critical thinking and research skills. Students in these programs have opportunities for internships with area museums, and for study abroad.

The Department of Fine Arts also offers five concentrations leading to the B.F.A. in Art: sculpture, ceramics, painting and drawing, photography, and graphic design. Specialized coursework in these areas prepares students to become practicing artists and professional designers. Students in these areas also have opportunities for exhibiting their work, and for securing internships with area businesses and art institutions.

Students planning to pursue a BFA in a given concentration must take and successfully pass VISU 2002 Portfolio Review during their sophomore year.

B.A. in Fine Arts

Visual Art Concentration

Semester Hours

I. AUM Core Curriculum and UNIV Requirements 44

All students pursuing a BA in Fine Arts with a concentration in Visual Art or Art History must complete the AUM Core Curriculum and UNIV requirements. Fine Arts students are required to take COMM 1010 Introduction to Human Communication, either as a humanities requirement or as an elective. All BA students must successfully complete the following Foundation Courses:

¹ A sequence of literature or history is required.

² Fine Arts students are required to take COMM 1010 Introduction to Human Communication, either as a humanities requirement or as an elective.

³ The following students are exempt from UNIV: Transfer students with more than 24 earned credit hours and GPAs above 2.20, students seeking a second degree, transient, dual enrollment, unclassified or graduate students.

II. Foundation

VISU 1102 Two-Dimensional Design and VISU 1132 Three-Dimensional Design	6
VISU 1112 Beginning Drawing and VISU 1122 Intermediate Drawing.....	6
ARTH 2030 Art History 1 and ARTH 2040 Art History 2	6
Total Hours.....	18

Visual Art Concentration

Students in the Visual Art concentration complete the above Core Curriculum, UNIV, and departmental Foundation courses, as well as the following concentration specific classes:

III. Upper Level Art History

VISU 3000-4000 Level Art History electives	6
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IV. Concentration

VISU Elective	15
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V. Language Sequence..... 8

VI. Minor..... 15

VII. Free Electives 15

Total Requirements..... 121

Art History Concentration

Students in the Art History concentration complete the above Core Curriculum, UNIV, and departmental Foundation courses, as well as the following concentration specific classes:

IV. Concentration

7 VISU 3000/4000-Level Art History electives	21
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V. Language Sequence..... 16

VI. Free Electives 9

VII. Minor..... 12

Total Requirements..... 120

B.F.A. in Art

I. AUM Core Curriculum and UNIV Requirements 44

All students pursuing a BFA in Art with a concentration in Ceramics, Graphic Design, Painting and Drawing, Photography, or Sculpture must complete the AUM Core Curriculum and UNIV requirements. Fine Arts students are required to take COMM 1010 Introduction to Human Communication, either as a humanities requirement or as an elective.

II. Foundation

Semester Hours

All BFA students must successfully complete the following Foundation Courses:

VISU 1102 Two-Dimensional Design and VISU 1132 Three-Dimensional Design.....	6
VISU 1112 Beginning Drawing and VISU 1122 Intermediate Drawing.....	6
ARTH 2030 Art History 1 and ARTH 2040 Art History 2	6
VISU 2002 Portfolio Review	1
Total Hours	19

Graphic Design Concentration

Students in the Graphic Design concentration complete the above Core Curriculum, UNIV, and departmental Foundation courses, as well as the following concentration specific classes:

I. Upper Level Art History

VISU 3000-4000 WI Art History Electives	6
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II. Concentration

VISU 2702 Digital Foundations.....	3
VISU 2722 Typography 1 and VISU 3722 Typography 2	6
VISU 2732 Design Techniques and VISU 4732 Advanced Graphic Design	10
VISU 3080 History of Graphic Design.....	3
VISU 4702 Interaction Design and VISU 4712 Animation.....	6
VISU 4742 Advertising Art.....	3
VISU 4982 Senior Project.....	3
Total Hours.....	30

III. VISU Electives	9
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VI. Free Electives	12
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Total Requirements	120
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Painting and Drawing Concentration

Students in the Painting and Drawing concentration complete the above Core Curriculum, UNIV, and departmental Foundation courses, as well as the following concentration specific classes:

I. Upper Level Art History

VISU 3000-4000 Art History Electives	9
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II. Concentration

VISU 2202 Watercolor	3
VISU 2212 Beginning Painting.....	3
VISU 3122 Advanced Drawing	3
VISU 3512 Intermediate Painting and VISU 4242 Advanced Painting	6
VISU 4982 Senior Project.....	3
Total Hours	18

III. VISU Electives.....	15
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IV. Free Electives	15
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Total Requirements.....	120
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Photography Concentration

Students in the Photography concentration complete the above Core Curriculum, UNIV, and departmental Foundation courses, as well as the following concentration specific classes:

I. Upper Level Art History

VISU 3000-4000 WI Art History Electives.....	6
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II. Concentration	
VISU 2712 Photography 1	3
VISU 2812 Beginning Photography and VISU 2832 Advanced Photography	6
VISU 3912 Alternative Processes	3
VISU 4010 History of Photography	3
COMM 3760 Video Production 1 and COMM 3763 Video Production 2	6
VISU 4982 Senior Project.....	3
Total Hours	24
III. VISU Electives	9
IV. Free Electives	18
Total Requirements.....	120

Sculpture Concentration

Students in the Sculpture concentration complete the above Core Curriculum, UNIV, and departmental Foundation courses, as well as the following concentration specific classes:

I. Upper Level Art History	
VISU 3000-4000 Art History Electives	6
II. Concentration	
VISU 2312 Beginning Sculpture and VISU 3322 Sculpture 2	6
VISU 3122 Advanced Drawing	3
VISU 3412 Ceramics 1.....	3
VISU 4332 Sculpture 3 and VISU 4342 Sculpture 4	6
VISU 4982 Senior Project.....	3
Total Hours.....	21
III. VISU Electives	15
IV. Free Electives	15
Total Requirements	120

Ceramics Concentration

Students in the Ceramics concentration complete the above Core Curriculum, UNIV, and departmental Foundation courses, as well as the following concentration specific classes:

I. Upper Level Art History	
VISU 3000-4000 Art History Electives	6
II. Concentration	
VISU 2312 Beginning Sculpture	3
VISU 3122 Advanced Drawing	3
VISU 3412 Ceramics 1 and VISU 3422 Ceramics 2	6
VISU 4432 Ceramics 3 and VISU 4442 Ceramics 4	6
VISU 4982 Senior Project.....	3
Total Hours	21
III. VISU Electives	15
IV. Free Electives	15
Total Requirements.....	120

Minors

Minor in Art History

The minor in Art History consists of 12 credit hours: ARTH 2030 Art History 1 and ARTH 2040 Art History 2, plus two classes from the following menu:

ARTH 3010 Art Beyond the West	3
ARTH 3020 Italian Renaissance Art	3
ARTH 3030 Baroque and Rococo Art	3
ARTH 3040 History of Nineteenth-Century Art.....	3
ARTH 3050 American Art	3
ARTH 3060 Art Since 1945.....	3
ARTH 3070 Women in the Arts.....	3

ARTH 3090 Medieval Art	3
ARTH 3610 Egyptian Art.....	3
ARTH 3620 Classical Art	3
ARTH 3630 Modern Art to 1945.....	3
ARTH 3640 Northern Renaissance Art	3
ARTH 3650 Southern Art.....	3
ARTH 4100 The Artist in Film & Fiction.....	3
VISU 3600 Theory & Method of Museum Studies	3
VISU 4010 History of Photography	3

Minor in Ceramics

Appeals to individuals interested in the craft of clay arts. The minor in Ceramics consists of the following 12 credit hours:

VISU 2312 Beginning Sculpture	3
VISU 3412 Ceramics 1	3
VISU 3422 Ceramics 2	3
VISU 4432 Ceramics 3	3

Minor in Graphic Design (non-Art majors)

Graphic design has applications in many fields such as marketing, communications, and IT. Students majoring in one of those disciplines will find it advantageous to minor in graphic design to increase their understanding of the interconnection between occupations. The minor in Graphic Design for non-Art majors consists of 12 credit hours: VISU 1102 Two-Dimensional Design, VISU 2702 Digital Foundations, VISU 2722 Typography I and one class from the following menu:

VISU 2732 Design Techniques	3
VISU 3722 Typography 2.....	3
VISU 4702 Interaction Design.....	3

Minor in Graphic Design (Art majors)

Graphic design has applications in many fields such as Marketing, Communications, and IT. Those pursuing a major in the arts may also want to pursue a minor in Graphic Design to widen potential career choices. The minor in Graphic Design for art majors consists of 12 credit hours: VISU 2702 Digital Foundations, VISU 2722 Typography I, VISU 2732 Design Techniques and one class from the following menu:

VISU 3722 Typography 2.....	3
VISU 4702 Interaction Design.....	3
VISU 4712 Motion Graphics	3
VISU 4732 Advanced Graphic Design	3

Minor in Music

Appeals to an individual looking to gain further appreciation of major styles, forms and composers in music. The minor in Music consists of 12 credit hours: MUSI 1100 Fundamentals of Music and three classes from the following menu:

MUSI 2110 Music Appreciation (may not be used as Core).....	3
MUSI 2202 University Chorus 1	3
MUSI 2502 Band	3
MUSI 3110 Music in World Cultures	3
MUSI 3300 Music Today.....	3
MUSI 3310 Masterpieces of Western Music	3
MUSI 4150 Special Topics in Music	3

Minor in Painting (non-Art majors)

Appeals to those looking for a firm understanding of how colors interact with one another. The minor in Painting for non-Art majors consists of the following 12 credit hours:

VISU 1102 Two-Dimensional Design	3
VISU 2202 Watercolor	3
VISU 2212 Beginning Painting.....	3
VISU 3232 Intermediate Painting.....	3

Minor in Painting (Art majors)

Appeals to an individual looking to add breadth to his or her portfolio. The minor in Painting for Art majors consists of the following 12 credit hours:

VISU 2202 Watercolor	3
VISU 2212 Beginning Painting	3
VISU 3232 Intermediate Painting	3
VISU 4242 Advanced Painting	3

Minor in Photography

Learn more about the most democratic art form in existence and how to take a great photo and duplicate it. The minor in Photography consists of 12 credit hours: VISU 2712 Photography 1 and VISU 2812 Digital Photography, plus two classes from the following menu:

VISU 3822 Advanced Digital Photography	3
VISU 4010 History of Photography	3
VISU 4902 Individual Studio Project (Approval Required).....	3

Minor in Sculpture (non-Art majors)

A minor in sculpture provides an introduction to object-making studio based art. This can benefit any individual looking to expand on his or her ability in three-dimensional arts. Students will focus on working with a range of materials and techniques that include mold making, woodworking, and working with metal. The minor in Sculpture for non-Art majors consists of the following 12 credit hours:

VISU 2312 Sculpture 1	3
VISU 3322 Sculpture 2	3
VISU 4332 Sculpture 3	3
VISU 4342 Sculpture 4	3

Minor in Sculpture (Art majors)

A minor in sculpture provides an introduction to object-making studio based art. This can benefit any artist or designer who would want to expand on their ability to include three-dimensional works of art in a portfolio or for their art practice. Students will focus on working with a range of materials and techniques that include mold making, woodworking, and working with metal. The minor in Sculpture for Art majors consists of the following 12 credit hours:

VISU 3322 Sculpture 2	3
VISU 3412 Ceramics 1	3
VISU 4332 Sculpture 3	3
VISU 4342 Sculpture 4	3

History & World Cultures

The undergraduate program in history is designed to give students insight into the world in which they live and the forces and events that helped shape it. In its broadest sense, the discipline of history offers a foundation for all other subjects and disciplines. It also teaches students how to find important information about the past, analyze and evaluate that information, and communicate their findings in an intelligent and convincing manner. Majoring in history is excellent preparation for careers in business, government, law, and other professions.

At AUM, that means development of a strong background in the history and culture of the major peoples and nations of the world, readying the student for work domestically and in companies and governments with overseas operations.

History Major

I. AUM Core Curriculum Requirements

Semester Hours

Total Hours	44
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II. Departmental Liberal Education Requirements

Area IV Electives (other than HIST) 6

III. Major Requirements

A two course sequence of Area IV Elective..... 6

Two courses in fields other than European or United States history:

Asia, Africa, 3000 level or above 6

Two European history, 3000 level or above 6

Two courses in American history, 3000 level or above 6

One course in historiography..... 3

One course in historical methods 3

GEOG 2050..... 3

HIST 2000 3

History Electives (one must be 2000 level) 9

Note: From among the courses in history, two must be taken in the fields before 1750, 3000 level or above. Must earn a C or better in Historiography and Historical Methods.

Total Hours..... 44

IV. Free Electives 32

Total Requirement 120-122

History Minor

A minor in History is an excellent companion to other degrees, offering students the opportunity to enhance their writing, critical thinking, and oral/written communication skills. Students must take four upper-level courses in history (at total of 12 credits at the 3000 level or above.)

Bachelor of Interdisciplinary Studies Degree

The B.I.S. degree serves students seeking an alternative to the traditional program of disciplinary majors and minors; those who have acquired academic credits in diverse curricula from other institutions, and those who wish to create a customized plan of study. The B.I.S. has defined options in Health Studies, Leadership and Professional Studies, Liberal Arts and Social Sciences, and Teaching and Learning for students who wish to pursue structured multidisciplinary concentrations. The principal difference between the B.I.S. degree and other baccalaureate programs is the absence of a single disciplinary focus and the uniqueness of the combined methods of study. Applicants should meet the same general requirements for admission to the university as other degree-seeking applicants.

Curriculum Requirements

Semester Hours

University Success and Areas I-IV 44

Area V. Major Courses minimum of 42

Methodology Electives Electives³ (3-8 semester hours)

Major Electives (3000 level or above (36 semester hours)

Interdisciplinary Capstone Course (3 semester hours)

Area VI. Free Electives (1000 level or above) (a minimum of 29 semester hours) minimum of 29

³Students must complete between 3-8 credit hours focused on methodology or skills (e.g., courses in research methodology, statistics, critical reasoning, programming, foreign language, advanced math, etc.)

Systematic advising is an integral part of the student's experience under the B.I.S. program. The student is expected to consult with his or her advisor every semester prior to registering for courses. A minimum of 34 hours of the student's course work is to be at the 3000 level or above. Therefore, the B.I.S. student should ensure that he or she has sufficient prerequisites in several areas to be eligible for advanced work. Also, students must maintain a minimum 2.00 GPA in AREA V major courses to fulfill degree requirements.

Any student who transfers from another AUM curriculum or from another institution to the B.I.S. curriculum must be enrolled in the B.I.S. program for at least one semester (or a minimum of 12 credit hours) for graduation.

However, all students must meet the university's minimum residence requirement of 30 semester hours for a baccalaureate degree. No more than 30 semester hours of courses offered by the College of Business may be counted toward satisfying the requirements for the Bachelor of Interdisciplinary Studies degree.

Students who wish to pursue a defined multidisciplinary concentration work with their advisor to ensure that they satisfy these requirements within the general curricular requirements outlined above.

Health Studies Concentration, B.I.S.

Students must complete a minimum of 12 credit hours from courses devoted to the study of health from a range of disciplines including Nursing, Anthropology, Biology, Kinesiology, Philosophy, Psychology, or Sociology.

Leadership and Professional Studies Concentration, B.I.S.

Students must complete a minimum of 12 credit hours from courses devoted to questions about leadership and professional studies from a range of disciplines including Accounting, Business, Human Resources, Management, Marketing, Military Science, or Organizational Leadership.

Liberal Arts and Social Sciences, B.I.S.

Students must complete (i) a minimum of 6 credit hours from courses in disciplines in Liberal Arts (Communication; English; History; International Studies; Music; Philosophy; Religious Studies; Theatre; and Visual Arts) and (ii) a minimum of 6 credit hours from courses in the Social Sciences (Anthropology; Criminal Justice; Economics; Military Science; Political Science; Sociology; and Social Work).

Teaching and Learning Concentration, B.I.S.

Students must complete a minimum of 12 credit hours from courses devoted to the study of the science and practice of teaching and learning from a range of disciplines including Education, Psychology, and Sociology.

Political Science Major

The Department of Political Science and Public Administration offers a curriculum providing students with the opportunity to earn a Bachelor's of Science in Political Science. The Department offers a variety of courses exploring the multiple and various dimensions of political science in the areas of American politics, comparative politics, international relations, and public administration. Students are able to construct a course of study tailored to their particular interests. The undergraduate program is relevant for all students interested in politics, government institutions and governance, elections, policymaking, political rights, and global affairs. Students majoring in political science often seek careers in business, community and advocacy organizations, education, international organizations, journalism, law, politics, polling, and state, local, and federal government. The requirements for a degree in Political Science are as follows:

AUM Core Curriculum Requirements	Semester Hours
Total Core Requirements	44
Additional Requirements	Semester Hours
Four courses selected from Anthropology, Communication, Criminal Justice, Economics, Geography, History, Philosophy, Psychology, or Sociology	12
Required Political Science Courses	
POLS 1020	3
POLS 1200 or POLS 3450	3
POLS 2760	3
POLS 3010 ¹	3
POLS 4952 ¹	3

Eight additional elective political science courses	24
Elective courses must include three 3000 level courses, two 4000 level courses, including one course satisfying the department's diversity requirement	
Total Hours Political Science.....	39

**Students majoring in Political Science must earn a grade of "C" or better in these courses.*

Electives

Elective hours.....	25
Total Hours Required	120

Pre-Law

Political science is a frequently selected major for students interested in attending law school and entering the legal profession. One reason for this relationship is that political science courses emphasize analytical and critical thinking, careful reading and reasoning, clear and effective presentations, and persuasive writing, skills highly valued in the legal profession. The Department is extremely proud of its record in preparing students for admission to numerous American Bar Association accredited law schools.

Political Science Minor

The Political Science Minor offers courses focusing on government institutions, government officials, policy processes, and interest groups in the United States and other countries. This minor is especially valuable for students in other majors interested in pursuing careers in business, education, government, journalism, law, nonprofits, politics, and social work among others. The minor requires five political science courses (15 credits hours), including POLS 1020 Introduction to American Politics and/or POLS 1200 Introduction to International Relations and at least one 4000-level course. Students must achieve a GPA of 2.0 in all minor courses to be awarded a minor in political science.

International Relations Minor

The International Relations Minor offers courses focusing on the institutions, structure, and policies of other countries, and how globalization, international law, economic and military power, international organizations, and various international actors affect what happens in countries as well as the relationships among them. As a consequence, students interested in careers in international business, international finance, international development, law, education, and environmental policy will find the minor especially applicable to their training. The minor requires five political science courses (15 credits hours), including POLS 1200 Introduction to International Relations. Students must achieve a GPA of 2.0 in all minor courses to be awarded a minor in international relations.

Public Administration

Students interested in a public service career in government or nonprofit organizations are encouraged to pursue the undergraduate degree in political science and, subsequently, consider the Department's Master's Degree Program in Public Administration. The undergraduate program offers courses exploring the roles of government officials and nonprofit organizations in the design, delivery, and management of public policies. Courses explore factors affecting the development and implementation of policies, the leadership and management of public and nonprofit organizations, and the roles of elected and appointed officials, bureaucrats, nonprofit administrators, and citizens in these processes. The master's degree program offers students more advanced training in various areas of public administration.

**Army Reserve Officers Training Corps/Military Science (MILS)
Department of Military Science**

The purpose of the Army ROTC curriculum is to develop well-educated junior officers for the Active Army, as well as the Army National Guard and Army Reserve. The curriculum is divided into two course levels: a general leadership course (basic course) open to all freshmen and sophomores and an officer development course (advanced course) for contracted juniors, seniors and graduate students. Successful completion of

both courses and award of a bachelor's degree constitutes the normal progression to earning a commission as a second lieutenant.

A student undecided about pursuing a commission may keep this option open by participation in the general leadership course together with his or her chosen curriculum. The course provides freshmen and sophomores the opportunity to make an educated decision on the advantages of earning an officer's commission while incurring no military obligation. Successful completion of the general leadership course or commensurate training is a prerequisite for enrollment in the officer development course.

The Army ROTC curriculum prepares students to become critical thinkers and effective leaders in a variety of challenging commissioned officer specialties, thus facilitating early middle management career development and progression. ROTC students will develop critical thinking skills and their leadership ability during classroom, lab, and field training environments.

General Leadership Course (Basic Program)

The basic program consists of a four-semester blocks of instruction normally taken during the freshman and sophomore years. These general leadership courses consist of a wide variety of military science topics at the 1000 and 2000 level.

These courses provide a foundation in basic military subjects as well as time management, stress management, financial management, first aid and ethics. Selected courses are offered during fall and spring semesters with one or two credit hours gained for each course. Elective credits earned apply toward degree requirements in all schools of the college. Freshman level courses are one hour a week (plus one hour of Leadership Lab), while sophomore level courses are two hours each week (plus one hour of Leadership Lab). These courses are open to all students, and they do not incur any military obligation unless they are ROTC scholarship recipients or receiving other ROTC financial benefits as a result of contracting.

Simultaneous Membership Program (SMP)

The Simultaneous Membership Program (SMP) allows Army National Guard and Army Reserve enlisted members to participate in ROTC, starting in the sophomore year with 2000 level courses. Prior military service eliminates the prerequisite for the 1000 level course for SMP students.

ROTC SMP students are paid for their guard/reserve training and receive the ROTC stipend once contracted. Once contracted, an SMP is categorized as non-deployable. This ensures the SMP student can focus on completing their education.

Upon commissioning, the officer has an eight-year obligation in the reserve forces. The last four years of the commitment may be served in the Individual Ready Reserve (IRR).

Basic Camp

Those academically qualified students who are unable to fulfill the requirements of the basic program during their freshman year may qualify for admission to the officer development course by successfully completing AROTC Basic Camp. This option is primarily designed to meet the needs of transfer students, and others, including graduate students, who have four semesters (two years) remaining at the university. This option provides a three-year program in lieu of the standard four-year curriculum.

Advanced Course

The Advanced Course, which is comprised of the MILS 3000 and 4000 series courses, is designed to fully develop a Cadet's leadership potential as well as those personal characteristics desired of an Army officer. Its objective is to produce the highest caliber junior officer, fully capable of performing a wide spectrum of responsibilities in the modern Army.

The Advanced Course consists of four semesters of classes normally taken during the junior and senior years. Successful completion of four courses, together with leadership laboratory, fulfills military science academic requirements for award of an officer's commission. Three credit hours per semester are earned in each course. 3000 and 4000 level courses require prerequisite Basic Camp completion or equivalent in military training, be a contracted Cadet, US citizen and be approved by the Professor of Military Science before enrolling.

Advanced Course students are eligible to participate in the Simultaneous Membership Program (SMP) with the Army National Guard or Army Reserve.

Advance Camp

Every Army ROTC Cadet who enters into the Advanced Course attends Advance Camp. It is a five-week summer program to evaluate and train all Army ROTC Cadets. This course normally takes place between your junior and senior years of college and is conducted at Fort Knox, Kentucky.

Additional voluntary training at a variety of active Army service schools is available to selected students during the summer. Students may have the opportunity to attend at Airborne School, Air Assault School, Cultural Understanding and Proficiency Program, and Cadet Troop Leadership Training.

Contracted students who successfully complete the Army ROTC curriculum and earn a bachelor's degree may be commissioned a second lieutenant. Subsequent military service may be on Active Duty or with the Army National Guard or Army Reserve.

Scholarships

Each year the Army offers a variety of scholarship programs to young men and women who have demonstrated outstanding academic scholarship, physical fitness and leadership potential. Two-, three- and four-year scholarships may be available directly through the Professor of Military Science. Scholarships pay for full tuition and fees. In addition, they provide a yearly book allowance. Special scholarships are also available for nursing students interested in joining the Army as a nurse. Students interested in competing for ROTC scholarships should contact the military science department at 334-244-3528.

Army ROTC as an Academic Minor

The amount of ROTC credit awarded in the different schools and curricula varies considerably, with a maximum of 26 hours being accepted within a 120-hour degree program in any curriculum. Acceptance of ROTC credit within a student's program is at the discretion of the individual academic department. Such credit may be applied as undesignated elective credit or towards a minor.

Social Work Major

AUM's Social Work program is a two-step process. Students pursuing a social work degree will begin as a Sociology major with a concentration in Pre-Social Work. After completing most of the Pre-Social Work courses at AUM or another institution, students must apply for admission to the Social Work program. This application is separate from the general university application and completion of AUM's Pre-Social Work degree plan (or one from another institution) does not guarantee acceptance. The number of students admitted to the Social Work program is limited, and applicants are chosen based on their academic performance in prerequisite courses, their overall GPA, personal statement, and aptitude to the profession. Students must have a C+ in all Social Work core courses.

Important Note: AUM's BSW program is currently in Candidacy for Accreditation by the Council on Social Work Education Commission on Accreditation.

Social Work Core

Semester Hours

SOWK 1000 Introduction to Social Work.....	3
SOWK 2000 Professional Development for Social Workers	3
SOWK 2220 History of Social Welfare	3
SOWK 3000 Diversity and Social Justice	3
SOWK 3100 Human Behavior and the Social Environment I.....	3

SOWK 3110 Human Behavior and the Social Environment II.....	3
SOWK 3200 Social Work Practice I ¹	3
SOWK 3201 Field Practicum Prep.....	0
SOWK 3400 Social Work Practice II ¹	3
SOWK 3600 Social Welfare Policy.....	3
SOWK 3720 Drugs/Alcohol and Society.....	3
SOWK 4020 Methods of Social Work Research ¹	3
SOWK 4300 Field Practicum ¹	9
SOWK 4310 Field Practicum Seminar ¹	3
Total Hours	45

¹ Admission to the Social Work Program Required

Supplement Coursework for Major	Semester Hours
ANTH 2110 Cultural Anthropology ²	3
BIOL 1000 or 1010 Intro to Biology or Cellular and Molecular Basis for Life ³	3
PSYC 2110 General Introductory Psychology	3
POLS 1020 American Politics.....	3
SOCI 2000 Introduction to Sociology ²	3
SOCI 3010 Research Methods I or equivalent (ECST 2760, POLS 2760, STAT 2670).....	3
Total Hours.....	18

²Can be completed as part of Area IV requirements

³Can be completed as part of Area III requirements

Electives

General Electives	14-15
SOWK/SOCI Electives	12
Total Hours.....	27

Minimum Total Requirements	120
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Minor in Social Work

The minor consists of 15 hours. The focus is on applied social work practice with marginalized and vulnerable populations. This minor is beneficial for students wanting to work in the social services arena. Must have a C+ or higher in all minor course work.

Required Courses:

SOWK 1000 Introduction to Social Work.....	3
SOWK 2000 Professional Development.....	3
SOWK 3000 Diversity and Social Justice	3

Select two of the following Courses:

SOWK 4410 – Social Work with Military Families.....	3
SOWK 4420 – Social Work and Mental Health.....	3
SOWK 4430 – Gerontological Social Work.....	3
SOWK 4450 – Child Welfare and Maltreatment	3
SOWK 4500 – Forensic Social Work.....	3

Sociology Major

An undergraduate degree in sociology prepares students for a career in non-profit work, social work, local, state, and federal agencies, museum, the law, and many other areas. A student majoring in sociology has a choice of concentrations – General Sociology, Anthropology, Marriage and Family, or Pre-Social Work. The Department of Sociology, Anthropology, and Social Work also offers minors in Social Work, Sociology, Anthropology, and Child Advocacy Studies. A student electing to major in sociology in the department must satisfy the following requirements and must earn a “C” or better in all major area courses.

Sociology Major Requirements	Semester Hours
Sociological Foundations (21 semester hours)	
ANTH 2110* Cultural Anthropology	3
SOCI 2000* Introduction to Sociology.....	3
SOCI 3000 Social Theory.....	3

SOCI 3010 Research Methods I or equivalent (ECST 2760)	3
SOCI 3020 Research Methods II	3
SOCI 4350 Social Psychology	3
SOCI 4950 Senior Capstone in Sociology	3
Total Hours	21

Concentration Requirements (Each student selects one concentration.)

General Sociology:

Social Stratification	3
SOCI 3200	3
Social Foci (6 hours from the following options)	6
SOCI 3250 Health and Illness	3
SOCI 4100 Minority Groups	3
SOCI 4360 Sociology of Religion	3
SOCI 4300 Sociology of Family	3
SOCI 4500 Sociology of Education	3
Culture course	3
ANTH 3120, 3330, 3740, 3810, 3820, 4030, or 4200	3
SOCI Electives (12 hours minimum) at least 2 courses at 3000/4000 level	12
Total Hours	24

Marriage and Family:

Social Stratification	3
SOCI 3200	3
Social Institutions (9 hours from the following options)	
SOCI 3250 Health and Illness	3
SOCI 4360 Sociology of Religion	3
SOCI 4300 Sociology of Family	3
SOCI 4500 Sociology of Education	3

Marriage and Family Electives (12 hours)

SOCI 2020 Intimate Relationships	3
SOCI 2250 Human Sexuality	3
SOCI 4450 Child Welfare	3
SOCI 3050 Women in Culture or SOCI 3070 Sociology of Gender	3
Total Hours	21

Anthropology (12 hours):

ANTH 2120 Introductory Archaeology	3
ANTH 3100 Biological Anthropology	3
ANTH 3810 Language in Culture and Society	3
GEOG 2050 or 2150*	3
Anthropology Electives (15 hours minimum)	15
Total Hours	27

Minor 12

The student may, in consultation with the academic advisor, select any minor that appears in the catalog or has been approved by the University Curriculum Committee.

Free Electives varies on concentration

Minimum Total Requirements 120

*Course may be used to satisfy core curriculum requirements

Under a major/minor option in the department, the student pursuing sociology concentrations may minor in anthropology or child advocacy studies. The student choosing the anthropology concentration may minor in sociology or child advocacy studies.

Minor in Sociology

A Sociology minor serves as an excellent complement to your chosen major for a variety of diverse careers. As an AUM Sociology minor, you will examine such topics as the causes of social inequality, the social factors that influence human behavior and the diversity of cultural practices. The curriculum will encourage you to think critically and understand different points of view – all skills valued by today’s employers in a variety of fields. A minor in Sociology consists of 12 semester hours of credit. Students wishing to minor in Sociology must complete SOCI 2010 Social Problems and 9 additional hours of SOCI course work at the 3000 or 4000 level. SOCI 2000 Introduction to Sociology is a prerequisite for the upper level courses. It can be used to satisfy a core requirement in Area IV.

Minor in Anthropology

An Anthropology minor provides students with skills that are useful for living and working in today’s world and interacting with people from many different cultural backgrounds. Anthropological training concentrates on three broadly transferable skill areas – understanding human diversity, building research skills for collecting and making sense of information, and communicating effectively. It consists of 12 semester hours of credit from courses with the ANTH designation. ANTH 2110 Cultural Anthropology is a prerequisite for the upper level courses. While it cannot be used to satisfy the requirements for the minor, it can be used to satisfy a core requirement in Area IV.

Minor in Child Advocacy Studies

This minor will prepare pre-professionals and practitioners to respond to child maltreatment in an ethical and culturally sensitive manner. Fifteen (15) hours required. SOCI 2000 or SOWK 1000 are prerequisites for most courses in the minor. Students must maintain a 2.0 Cumulative GPA and earn a minimum grade of ‘C’ in each course within the minor.

Required Courses:

SOCI 3900 or SOWK 2220 History of Social Welfare	3
SOCI 4440 or SOWK 4440 Global Child Advocacy Issues	3
SOCI 4450 or SOWK 4450 Child Welfare/Maltreatment	3

Select two of the following Courses (only 1 can be at the 2000-level):

SOCI 2250 Human Sexuality	3
SOCI 3100 Juvenile Delinquency	3
SOCI 4300 Sociology of the Family	3
SOWK 4460 Social Work Practice with Teens	3

Pre-Social Work Program

Auburn University at Montgomery has received approval for a Bachelor of Social Work program and is in the Candidacy stage of the accreditation process with the Council on Social Work Education. Students interested in majoring in social work should declare a Sociology Major with a concentration in Pre-Social Work until they apply and are accepted into the Social Work Major.

Interdisciplinary Minors and Certificates

A minor is a prescribed area of academic study consisting of 12–18 semester hours to be determined at the discretion of the department offering the minor with approval of the dean of the college in which the minor is offered, the Curriculum Committee, and the provost. The prescribed courses for a minor may be taken from one or more academic disciplines. A minor is not a university requirement for graduation. A minor may, however, be required by a major.

Courses that make up the minor are determined by the department(s) offering the minor. Courses counting toward an elective minor may not be used to satisfy general education core or major requirements. A major for which a minor is required for graduation may count as the same course for both major and minor requirements.

A minimum average of “C” (2.00) is required for courses applying to the minor. A minimum of six semester hours of credit applied to the minor must be completed in residence.

A maximum of two minors may be declared by a student. Minors must be declared by the end of the first week of the semester in which the student plans to graduate. Students must declare or change minors through the Registrar’s Office. Minors will be recorded on the student’s academic transcript.

Students are not limited to these minors only, but may select any approved university minor, for which they will fulfill the requirements in addition to the requirements of their selected major.

Minor in Gender, Race, and Ethnic Studies

The Gender, Race, & Ethnic Studies minor offers students an interdisciplinary understanding of the role race, ethnicity, sexuality and/or gender plays in culture, society, and politics across historical periods and geographic areas using multiple academic perspectives.

To earn a minor in Gender, Race, & Ethnic Studies students will complete at least fifteen credit hours including at least three courses at the 3000 level or higher. Courses must be taken from three different departments and no more than two courses from the same department. While there are no prerequisites for the minor, individual course prerequisites do apply. Students must achieve a combined GPA of 2.0 in all minor courses to be awarded a GRES minor.

ANTH 3120 North American Archaeology
COMM 3350 Communication & Gender
ECON 3500 Labor Economics
ECON 4600 Law and Economics
ENGL 4140 Multilingual Composition
ENGL 4620 Holocaust Literature
ENGL 4750 Women & Literature
ENGL 4790 Ethnic Literature of the U.S.
HIST 3350 History of American Slavery
HIST 3360 African American Experience since Emancipation
INTL 3000 Intercultural Communication
JUST 3100 Gender in Criminal Justice
JUST 4200 Comparative Criminal Justice
MNGT 4250 Managing Diversity
POLS 3450 Race, Ethnicity, and Power
POLS 3880 Gender & Politics
POLS 4500 Southern Politics
POLS 4600 Constitutional Law I (Civil Liberties & Rights)
PSYC 2460 Psychology of Gender
PSYC 3470 Culture & Psychology
SOC 2250 Human Sexuality
SOC 3050 Women & Culture
SOC 3070 Sociology of Gender
SOC 4100 Minority Groups
SOC/SOWK 4440 Global Child Advocacy Issues
SOWK 3000 Diversity and Social Justice
VISU 3070 Women in the Arts
VISU 3650 Southern Art

Additional Special Topics, Internship, and Directed/Independent Research courses may be taken with the approval of the GRES Advisor/Coordinator.

Minor in Medieval Studies

The medieval studies minor offers students an interdisciplinary understanding of Europe in the Middle Ages, conventionally defined as ca. 500 to ca. 1500, at an advanced undergraduate level.

A student with a minor in medieval studies will complete at least twelve credit hours consisting of four courses at the 3000-level or higher, two from English and two from History. The following courses count toward a minor in medieval studies; none, however, may also be used to satisfy the requirements for a student's major. The contact person for the minor is Professor Jan Bulman in the Department of History.

ENGL 4130 Monsters in Literature and Film
ENGL 4150 Medieval Literature
ENGL 4160 Chaucer
ENGL 4840 Studies in Literary Form (when on a medieval topic, as approved by the minor's contact person)
HIST 3230 Early Medieval Europe, 300-1000
HIST 3240 Medieval Europe, 1000-1500
HIST 3620 The Crusades
HIST 3970 Special Topics in History (when on a medieval topic, as approved by the minor's contact person)
HIST 4230 Women in Medieval Society
HIST 4240 Magic and Witchcraft before 1700
HIST 4310 The Renaissance
HIST 4340 Medieval England
HIST 4972 Advanced Special Topics in History (when on a medieval topic, as approved by the minor's contact person).

Minor in Organizational Leadership (15 Hours)

Required Course:

ORGL 1010 Introduction to Organizational Leadership is required for a number of the below classes but does not count toward the minor.

Choose any 5 of the following:

	Hours Credit
ORGL 3010 Leadership in Crisis.....	3
ORGL 3050 Conflict Resolution	3
ORGL 3970 Team Building I	3
ORGL 4220 Values and Ethics	3
MILS 3010/3011 Leadership and Problem Solving w/Lab	4
MILS 3020/3021 Leadership and Ethics w/Lab	4
MILS 4010/4011 Leadership and Management w/Lab	4
AS 300 Air Force Leadership Studies.....	4
AS 301 Air Force Leadership Studies.....	4

Minor in Religious Studies

The religious studies minor is designed to enrich student understanding of the nature of religious systems, the functions of religion in society, and the impact of religion on all aspects of social life.

A student with a minor in religious studies will complete at least twelve credit hours consisting of RELI 2010 (Introduction to World Religions) plus three electives from an approved list. If RELI 2010 is used to satisfy a university core requirement in AREA II, then a student minoring in Religious Studies would take four electives from the approved list. The contact person for the minor is Professor Michael Simmons in the Department of History, World Languages, and Culture.

ANTH 4200 Anthropology of Religion
ANTH 3330 Anthropology of Death and Dying
ENGL 3350 Literature and Myth
HIST 3400 Religions in the Roman Empire
HIST 3410 History of Early Christianity

HIST 3420 Medieval and Modern Christianity
HIST 3430 Survey of Old Testament
HIST 3440 Survey of New Testament
HIST 3610 The World and the Bible
HIST 4120 History of Religion in America
HIST 4130 Native American Religions
HIST 4240 Witchcraft and Magic before 1700
HIST 4320 The Reformation
HIST 4350 Pilgrimage in the Middle Ages
HIST 4360 The Bible as Literature
INTL 4400 Hispanic Spirituality
PHIL 4200 Philosophy of Religion
RELI 3000 Theories/Methods Study of Religion
RELI 3100 Introduction to Islam
SOCL 3300 Sociology of Death and Dying
SOCL 4360 Sociology of Religion

Certificate in American Society and Culture

The certificate is aimed at international students pursuing careers that involve work in or with the United States or pursuing study in the United States but is open to all students. In order to successfully do business in or with a country, a grasp of its society and culture is important. Formal instruction in American society and culture can also help enormously, both to broaden such students' cultural literacy regarding the U.S. and to give them a deeper understanding of its institutions and underpinnings.

The certificate program consists of six courses, three hours each (18 hours total), that can be added to a degree program at AUM, or simply taken as a self-standing certificate by international students earning a degree at an institution outside the U.S. The program can be completed online.

All students must complete the following:

HIST 1080 United States History to 1865
HIST 1090 United States History since 1865
POLS 1020 Introduction to American Politics

All students must also select three courses from the following:

ENGL 4720 American Short Story
MUSI 3300 Music Today
ARTH 3050 American Art
COMM 2100 Media and Culture
SOCL 2000 Introduction to Sociology

Certificate in Museum Studies

Auburn University at Montgomery offers a 17-19 credit hour interdisciplinary certificate program in Museum Studies. It combines education in traditional academic subjects, focused on the student's particular area of interest, together with coursework in museum history, theory, and practice, historical research methods, and practical museum field experience, via an internship. The Museum Studies Certificate program provides students with an opportunity to gain an understanding of how museums and collecting institutions work and gives them the necessary "real world" experience they need to enter into a variety of cultural fields and museum positions.

Certificate in Professional and Technical Writing

The Certificate in Professional and Technical Writing may be completed by taking ENGL 3010, Introduction to Professional and Technical Writing, and three courses from the following:

ENGL 3030 Technical Writing
ENGL 3060 Business and Professional Writing

ENGL 4170 Writing for Digital Media
 ENGL 4294 Internship in Writing and Editing
 ENGL 4973 Editing and Editors

Certificate in Substance Abuse Prevention

The certificate in substance abuse prevention will provide students with education, training, and internship opportunities to prepare them to work with at-risk children, adolescents, transitional-age youth, and others at risk for developing substance abuse problems. This 12-credit hour certificate program complements current and future careers in human resources, counseling, education, public policy and administration, sociology, nursing, or psychology.

- SOCI 3720 Alcohol, Drugs, and Society
- SOCI 4720 Substance Abuse Prevention and Education
- SOCI 4730 Substance Abuse Prevention with Special Populations
- SOCI 4924 Internship in Substance Abuse Prevention

AUM is the only four-year institution in Alabama to offer a substance abuse prevention certificate program. The certificate program is approved by the Alabama Alcohol and Drug Abuse Association (AADAA), a nationally recognized certification organization. Upon completion of coursework, students will be prepared to sit for the International Certification and Reciprocity Consortium (IC&RC) Prevention Specialist exam.

Pre-Law

Students planning to attend law school must first obtain a bachelor’s degree in any major in this catalog. They are encouraged to major in one of the disciplines the American Bar Association recommends as inculcating a broad cultural background, habits of intellectual curiosity and scholarship, the ability to organize materials and communicate the results and verbal skills. A survey of Bench and Bar lists these courses of study: English language and literature, political science, economics, American history, mathematics, English history, Latin, logic and scientific methods and philosophy. Most law schools do not prescribe any particular curriculum of pre-law study but normally require as a condition for admission that the applicant has successfully completed the following undergraduate work or its equivalent:

English Composition (ENGL 1010 and ENGL 1020)	6
English or American Literature (ENGL 2530, ENGL 2540, ENGL 2570, ENGL 2580).....	6
American History (HIST 1080 and HIST 1090)	6
Political Science (POLS 1020 and POLS 3030)	6
Principles of Economics (ECON 2010 and ECON 2020)	6

Additional recommended courses are English language and literature, mathematics, English history, philosophy (especially logic), psychology, sociology, foreign languages, justice and public safety, accounting, computer science and public speaking. More generally, students should see https://www.americanbar.org/groups/legal_education/resources/pre_law

College of Nursing and Health Sciences

Dr. Jean D'Meza Leuner, Dean

Faculty:

School of Nursing:

Professors All and Leuner (Dean)

Associate Professor Cochran, Freeman (Department Chair, Graduate Affairs)

Assistant Clinical Professors Baker, Bowen, Cook (Undergraduate Clinical Coordinator), Justice, Knierim, Long, McCarty, Metz, Miller, and Smith (FNP Coordinator)

Lecturer Williams

Medical and Clinical Laboratory Sciences:

Professor Taylor (Department Head and Program Director)

Associate Professor Qian

Assistant Professors Dugan and Latcham

Communication Disorders:

Ashley Miles Godwin, Department Head and Clinic Director

Assistant Clinical Professors Beard, Fulford and Presley

School of Nursing

The School of Nursing was established in 1978 and its first class was admitted in 1979. The school has achieved prominence as an innovator in nursing education, responding to an ever changing population with complex health care needs. The faculty of the school embrace opportunities to utilize advanced technology, innovation and creativity to provide graduates with the highest quality education. Nurses are needed more than ever to provide evidence-based patient care, serve in leadership roles, teach, engage in research and influence policy.

The mission of the School of Nursing supports the mission of Auburn University at Montgomery to provide quality and diverse educational opportunities at the undergraduate and graduate levels. Faculty are committed to providing a scientifically, evidence-based nursing education in an interprofessional environment. Graduates will be prepared to provide excellent nursing practice through life-long learning, leadership, service, scholarship, and outreach for a global society.

The School of Nursing offers a Bachelor of Science in Nursing (BSN) degree, the basis for professional nursing practice. The program has two tracks: traditional and RN to BSN. The BSN graduate is prepared to provide comprehensive care in a variety of acute, community, and rehabilitative settings. The program emphasis includes clinical nursing practice, health promotion and maintenance as well as preparation for leadership roles. Upon successful completion of the program, graduates from the traditional BSN track may apply to the state Board of Nursing to take the National Council Licensure Examination for Registered Nurses. All BSN graduates are prepared to pursue graduate study in nursing.

The RN to BSN track offers registered nurses with an associate degree or diploma in nursing an opportunity to earn a BSN degree. Each applicant is reviewed individually and guided to prevent repetition of previous coursework. Contact the School of Nursing for specifics on the RN to BSN program. All courses are available online.

Accreditation

The baccalaureate degree program in nursing at Auburn University at Montgomery is accredited by the Commission on Collegiate Nursing Education (<http://www.ccnaccreditation.org>).

The BSN Program is approved by the Alabama Board of Nursing. All programs are limited access; the BSN requires a separate application to the AUM School of Nursing.

General Requirements for the Bachelor's Degree Traditional BSN Program

Programs in the School of Nursing are upper division, limited access programs. Acceptance by or registration at the university does not constitute admission to the School of Nursing. Application must be made to the appropriate program in Nursing. You are encouraged to visit the College of Nursing and Health Sciences' website: www.aum.edu/nursingandhealth.

Lower Division - Traditional BSN Curriculum	Semester Hours
UNIV 1000 University Success ¹	3
AREA I (2 courses, 6 hours)	
ENGL 1010 English Composition I	3
ENGL 1020 English Composition II	3
AREA II (4 courses, 12 hours)	
Literature: ENGL 2530 or 2540 English Literature I or II OR ENGL 2570 or 2580 American Literature I or II OR ENGL 2600 or 2610 World Literature I or II ^{2*}	3
2 nd Literature to complete a sequence OR Area II elective (if History sequence is chosen) ^{2*}	3
Fine Arts (MUSI 2110 OR THEA 2040 OR VISU 1000, 2030, 2040, OR 2600)	3
PHIL 2100 Applied Ethics	3
AREA III (3 courses, 11 hours)	
STAT 2670 Elementary Statistics	3
BIOL 1010 and 1011 Cellular and Molecular Basis of Life and Lab	4
PSCI 1500 and 1501 Introduction to Chemistry and Lab.....	4
AREA IV (4 courses, 12 hours)	
History: HIST 1010/1020 World History I or II OR HIST 1060/1070 Western Civilization I or II OR HIST 1080/1090 American History I or II ^{3*}	3
Area IV elective	3
PSYC 2110 General Introductory Psychology	3
2 nd History to complete a sequence OR 2 nd Area IV elective (if Literature sequence is chosen) ^{2*}	3
AREA V (5 courses, 18 hours)	
BIOL 3010 and 3011 Microbiology and Lab	4
BIOL 2100 and 2101 Anatomy and Physiology I and Lab	4
BIOL 2110 and 2111 Anatomy and Physiology II and Lab	4
MATH 1050 College Algebra	3
PSYC 3780 Developmental Psychology	3
Total Lower Division – Traditional Program.....	62-65

¹ Required for new freshmen, for transfer freshmen, and for returning freshmen.

² At least one literature course is required to meet graduation requirements. A course sequence in Literature or History is required to meet graduation requirements (e.g. both American Literature I and II). If a History sequence is taken, students may choose an Area II elective (instead of a second literature) from the approved Area II list on the STARS website (https://stars.troy.edu/approved_courses/aum_area.html).

³ At least one History course is required to meet graduation requirements. A course sequence in Literature or History is required to meet graduation requirements (e.g. both World History I and II). If a Literature sequence is taken, students may choose a second Area IV elective (instead of a second History) from the approved Area IV list on the STARS website https://stars.troy.edu/approved_courses/aum_area.html*Not required of a student with a previous Bachelor's degree.

RN to BSN Track

The RN to BSN is designed for registered nurses who desire to return to school to obtain a baccalaureate of science in nursing degree. Each applicant is reviewed individually and guided to prevent repetition of coursework. Contact the RN to BSN advisor for specific details regarding the program. The curriculum is delivered totally online.

Course content is designed to build on students' knowledge obtained through basic education and work experience.

Lower Division Curriculum - RN to BSN Program	Semester Hours
AREA 1 (2 courses 6 hours)	
ENGL 1010 English Composition I	3
ENGL 1020 English Composition II	3
AREA II (4 courses, 12 hours)	
Literature: ENGL 2530 or 2540 English Literature I or II OR ENGL 2570 or 2580 American Literature I or II OR ENGL 2600 or 2610 World Literature I or II ¹	3
Fine Arts (MUSI 2110 OR THEA 2040 OR VISU 1000, 2030, 2040, OR 2600).....	3
2 nd Literature to complete a sequence OR 2 nd Area II elective (if History sequence is chosen) ²	3
AREA III (3 courses, 11 hours)	
Approved Core Mathematics Course ³	3
BIOL 1010 and 1011 Cellular and Molecular Basis of Life and Lab ³ OR PSCI 1500 and 1501 Introduction to Chemistry and Lab ³ OR Approved Biology Course with Lab.....	4
AREA IV (4 courses, 12 hours)	
HIST 1010/1020 World History I or II OR HIST 1060/1070 Western Civilization I or II OR HIST 1080/1090 American History I or II ¹	3
PSYC 2110 General Introductory Psychology ³	3
Area IV Elective ²	3
2 nd History to complete a sequence OR 2 nd Area IV elective (if Literature sequence is chosen) ²	3
AREA V (4 courses, 15 hours)	
BIOL 2100 and 2101 Anatomy and Physiology I and Lab ³	4
BIOL 2110 and 2111 Anatomy and Physiology II and Lab ³	4
BIOL 3010 and 3011 Microbiology and Lab ³	4
A Statistics Course ³	3
Total Lower Division – RN to BSN Program.....	56

¹ A sequence is required in either Literature or History (e.g., American literature I AND II). Area II requires one Literature, one Fine Arts and two other Area II approved courses for a total of 4 courses. Area IV requires one History, one Psychology, and two Area IV approved courses for a total of 4 courses.

² Area II and IV courses must be chosen from those listed on the AGSC approved course lists:

https://stars.troy.edu/approved_courses/aum_area.html ³ These are the only courses required for RN to BSN students with a previous Bachelor's Degree.

Admission to the School of Nursing

Admission of new freshmen pre-nursing students will be in accordance with general university admission standards. Continuing, transfer, and change of major students must meet the unadjusted GPA standards below to be admitted to or to remain in the pre-nursing major:

- Students must earn a minimum 2.5 GPA on 15-29 hours of pre-nursing credit.
- Students must earn a minimum 2.75 GPA on 30 or greater hours of pre-nursing credit.

Application Information for the traditional BSN Program:

1. **Before applying to the School of Nursing, apply to Auburn University at Montgomery**
2. Full admission to AUM and to the pre-nursing major are required to be eligible for application to the School of Nursing.
3. Submit the required School of Nursing application found on the Nursing website. There are two entry options: fall and spring.
4. Have no more than 22 hours for fall admission or 18 hours for spring admission (see advisor for specific details for individual requirements) of remaining pre-nursing coursework.
5. Submission of an official Test of Essential Academic Skills (TEAS) score (73% or higher preferred) OR a composite ACT score of 23 or higher to the University Admissions Office by the posted deadline

6. Successful completion (grades of “C” or better) of at least 3 of the 5 required lab science courses AND have the remaining 2 of the 5 required lab science courses in progress at the time of application for a spring admission. For a fall admission, successful completion (grades of “C” or better) of at least 2 of the 5 required lab science courses AND have at least 1 of the required 5 lab science courses in progress at the time of application.
7. Successful completion (grades of “C” or better) of Anatomy and Physiology I and II within 5 years of nursing entry or a retake is required. Please note: A student who has earned two (2) grades below a “C” in Anatomy and Physiology I or Anatomy and Physiology II is not eligible to apply to the upper division of the nursing program.
8. GPA based solely on pre-nursing coursework of at least 2.750 (Unadjusted and without rounding) at the time of application. Grades are counted each time a course is taken; grade adjustments (forgiveness) are not considered.
9. Submission of an essay. Writing prompt(s) and essay requirements will be supplied to the applicant after a completed nursing application has been received.
10. Computer proficiency – the ability to operate a computer and to understand basic computer language, including a functional level of knowledge and skills related to Word, Excel, and PowerPoint; and the ability to navigate the Web, Web CT, Blackboard, and Outlook e-mail.

Adapted from "A Validation Study: Functional Abilities Essential for Nursing Practice:" by Carolyn J. Tocom, National Council of State Boards of Nursing. https://www.ncsbn.org/1996_part4.pdf

Students must possess the functional ability to perform the skills and behaviors required of a professional nurse. These abilities include but are not limited to:

1. Adequate vision, such as that required to observe changes in physical conditions, to read small print on labels and markings on syringes and to discern subtle changes in color;
2. Adequate hearing, such as that required to distinguish muted sounds through a stethoscope;
3. Fine motor skills and manual dexterity, such as that required to handle small, delicate equipment;
4. Strength to turn and assist with lifting adults and to lift and carry children;
5. The mobility to respond quickly in emergency situations;
6. The ability to communicate and interact effectively with others orally and in writing;
7. The ability to detect odors; and
8. The ability to read independently and to comprehend the written word.

Meeting the above criteria does not guarantee admission. The number of students who can be admitted to the upper division clinical courses is determined by the availability of clinical practice sites and faculty to teach in these areas. Admission occurs twice per year; upper division nursing courses begin in the fall and spring semesters.

Applications for fall admission to the upper division become available on the School of Nursing website the first week of January and the deadline for application submission is March 1. For the group entering in the spring semester, applications become available August 1 and the deadline for return is October 1. All applicants must have achieved university admission to be considered for entry to the School of Nursing.

Students are required to have pre-clinical drug screenings and background checks processed through the approved vendor.

RN to BSN Program

To be considered for admission to the RN to BSN program in the School of Nursing, students must meet the following criteria:

- University admission to Auburn Montgomery
- A grade of “C” or greater in English Composition II, core math, and no more than six outstanding pre-requisites. All core courses require a grade of C or higher.
- GPA of 2.5 or higher on a 4.0 scale

- Completion and submission of a School of Nursing RN to BSN Application
- Current, unencumbered RN licensure by the Board of Nursing
- Current physical examination, BLS certification, immunizations, and 2-step TB skin test
- Current health insurance
- Computer proficiency – the ability to operate a computer and to understand basic computer language, including a functional level of knowledge and skills related to Word, Excel, and PowerPoint; and the ability to navigate the Web, Web CT, Blackboard, and Outlook e-mail.

Progression Through the Nursing Programs

All students enrolled in upper division nursing courses must receive a grade of C or above in order to progress in the nursing program. A satisfactory clinical grade is required to pass nursing courses with laboratory components. Students must maintain the skills and behaviors required for professional nursing (see Admission to the School of Nursing section above), including the ability to engage in critical thinking, in order to make safe and ethical clinical decisions. Students who receive a grade of D or F in a nursing course have one opportunity to repeat that course at the time of the next course offering.

Students who have failed one course will meet with an advisor to develop a specific plan prior to re-entering the program. Students who are eligible to continue in the program but have been out of upper division studies for more than one calendar year may be required to reapply for admission and repeat all upper division course work. Students who receive a D or F in two nursing courses may not continue in upper division course work. [Calendars for upper division nursing courses may not correspond with the calendars published for university courses.]

Course prerequisites must be completed as outlined in the AUM Undergraduate Catalog. The upper division courses must be taken in a specified sequence.

Traditional BSN Curriculum

This is a sample program of studies. Actual course schedules will vary depending on the semester of admission to the Upper Division Nursing Program.

First Semester (14 credit hours)	Semester Hours
NURS 3900 Clinical Calculations.....	1,0,0*
NURS 3111 Fundamentals of Professional Nursing	3,1,1
NURS 3120 Nursing Pathophysiology.....	3,0,0
NURS 3131 Assessment for Professional Nursing	2,1,2
Second semester (13 credit hours)	
NURS 3150 Evidence Based Practice	3,0,0
NURS 3210 Clinical Pharmacology.....	3,0,0
NURS 3221 Nursing Care of Adult I.....	3,1,3
Third Semester (10 credit hours)	
NURS 4150 Informatics	3,0,0
NURS 4251 Nursing Care of Pediatric Patient & Support Network.....	3,0,1
NURS 4241 Nursing Care of the Childbearing Family	2,0,1
Fourth semester (14 credit hours)	
NURS 4331 Mental Health Nursing.....	3,0,1
NURS 4261 Community/Public Health Nursing.....	3,0,1
NURS 4371 Nursing Care of Adult II	4,0,2
Fifth semester (13 credit hours)	
NURS 4440 Critical Care	3,0,0
NURS 4430 Nursing Leadership and Management	3,0,0
NURS 4431 Transition to Practice.....	3,0,4
*(theory hours, lab hours, clinical hours)	
Theory course hour ratio is 1:1	
Lab/Clinical hour ratio is 1:3	
Total Upper Division.....	64

Upper Division Curriculum – RN to BSN Program

Semester Hours

NURS 4110 Transformation to the Professional Nurse Role ¹	4,0,0
NURS 4140 Population-Based Healthcare.....	4,0,0
NURS 4220 Informatics and Evidence Based Practice for the Professional Nurse	3,0,0
NURS 4260 Pathophysiology and Physical Assessment for the Professional Nurse	3,0,0
NURS 4270 Rural Health and Special Populations.....	3,0,0
NURS 4160 Health Policy and Ethics for the Professional Nurse	3,0,0
NURS 4321 Health Systems Leadership.....	4,0,1
NURS 4311 Leadership Immersion	4,0,1
Total Upper Division – RN to BSN Program	30

¹ NURS 4110 must be the first course taken. Upon successful completion of the course with a grade of C or higher, 37 semester hours of nursing credit will be awarded.

These hours are not included in the 50 hours of actual course work which must be taken at AUM to be eligible for honors at graduation.

Medical Laboratory Science

The Medical Laboratory Science (MLS) program is designed to provide students with a background in clinical laboratory science theories and methods. The skills and experiences in this program will prepare students with competencies necessary to work in a clinical laboratory environment. While most graduates are employed in clinical laboratories, other employment opportunities are also available. These opportunities include laboratory positions in research, public health and industry.

Other opportunities include positions as sales or technical representatives with pharmaceutical companies or companies associated with laboratory supplies and/or instrumentation. This program also prepares students for graduate and professional schools.

The Medical Laboratory Science program is accredited by the National Accrediting Agency for Clinical Laboratory Sciences (NAACLS), 5600 North River Road, Suite 720, Rosemont, IL. 60018-5119; 773-714-8880; (fax) 773-714-8886; www.naacls.org; orinfo@naacls.org.

The program is organized in a 2+2 format, consisting of a two-year pre-professional phase and a two-year professional phase. The pre-professional phase consists of general preparation in math, science and liberal arts. The professional phase consists of preparation in clinical chemistry, methods of drug analysis, instrumentation, microbiology (bacteriology, parasitology, mycology), hematology, immunology, immunohematology, serology, urinalysis and body fluids, laboratory management and education and computer based analysis. Upon successful completion of the program, students receive the Bachelor of Science in Medical Laboratory Science and become eligible to take national certification examinations.

The Medical Laboratory Science program is offered in a traditional on-campus format and an online format. The online format is a distance learning format designed for certified clinical/medical laboratory technicians who have prior clinical laboratory experience with modern laboratory instrumentation and military laboratory personnel who have completed military medical laboratory specialist school and have laboratory experience with modern clinical laboratory instrumentation.

Entry into the professional phase of the program involves a formal application by the candidate. Enrollment in this phase is limited based on available resources both on campus and in affiliated clinical facilities. When the number of qualified applicants exceeds the enrollment capacity, selection will be based on cumulative GPA. Application forms and student handbooks are available from the program director.

The student handbook includes specific criteria for acceptance into the program and essential requirements necessary to complete the program. To be eligible for admission to the professional phase, candidates must complete all pre-professional requirements prior to beginning the professional phase of the program. Candidates must have a cumulative GPA of 2.0 or higher, minimum grade of C in all science and math course required. Candidates must acknowledge their belief that they can achieve the technical standards described in the student handbook for the MLS program. These standards are considered essential for the clinical

laboratory profession. The last 26 weeks of the traditional on-campus program are spent in clinical practice at an affiliated clinical laboratory followed by a two-week comprehensive review session in preparation for national boards. The calendar during this period varies significantly from the normal university calendar.

Students are typically assigned to one clinical facility for the complete 24-week period, with courses meeting Monday through Friday during this time. Students in the online program complete their clinical experience concurrently with their didactic course work. Clinical affiliates include, but are not limited to, the following:

- Baptist Health (Montgomery, AL)
- Central Alabama Veterans Health Care System (Montgomery, AL)
- Columbus Regional Medical Center (Columbus, GA)
- East Alabama Medical Center (Opelika, AL)
- Flowers Hospital (Dothan, AL)
- Grandview Hospital (Birmingham, AL)
- Huntsville Hospital (Huntsville, AL)
- Jackson Hospital (Montgomery, AL)
- Mayo Clinic (Jacksonville, FL)
- Southeast Alabama Medical Center (Dothan, AL)
- Spring Hill Hospital (Mobile, AL)
- Vaughan Regional Medical Center (Selma, AL)

Curriculum

The Medical Laboratory Science program requires the successful completion of 140 semester hours of course work and clinical training for graduation. This program can be completed in 10 semesters over a four-calendar-year period that includes summer semesters of the junior and senior years. Please note that the sequence of pre-professional science courses requires careful planning. Students are required to consult a MLS advisor each semester during the pre-professional phase.

Pre-Professional Phase	Semester Hours
(On campus and online)	
Area I. Written Composition	6
English Composition (ENGL 1010 and 1020) ¹	6
Area II. Humanities and Fine Arts	12
Literature ²	3
Fine Arts	3
Public Speaking (COMM 2212).....	3
Elective ²	3
Area III. Natural Sciences and Mathematics ³	11
Precalculus, Algebra and Trigonometry (MATH 1150)	4
General Chemistry (CHEM 1100/1101, 1200/1201).....	8
Area IV. History, Social and Behavioral Sciences	12
History ²	3
Electives ²	9
UNIV 1000.....	3
Area V. Pre-Professional, Major and Elective Courses ³	19
BIO Statistics (BIOL 2200) ⁴	3
Survey of Organic Chemistry (CHEM 2300/2301)	4
Cellular and Molecular Basis of Life w/ Lab (BIOL 1010/1011)	4
Microbiology (BIOL 3010/3011)	4
Human Anatomy and Physiology II (BIOL 2110/2111)	4
Total	66

¹ A grade of C or better is required for each course.

² A 6-semester hour sequence either in literature or in history is required. If a second literature is chosen, it will apply as the 3 elective hours in Area II. If a second history is chosen, it will apply as 3 of the elective hours in Area IV.

³ A grade of C or better is required in each science and math course listed.

⁴ Survey of Computers (CSCI 1000) and Statistics (STAT 2670) can be substituted for BIOL 2200 for Area V.

Campus Professional Phase¹ (74 semester hours) Semester Hours

First Year

CLLS 3013 Laboratory Techniques.....	4
CLLS 3103 Immunology and Serology.....	3
CLLS 3153 Immunohematology I.....	3
CLLS 3203 Urinalysis and Body Fluids.....	3
CLLS 3243 Clinical Hematology I.....	3
CLLS 3253 Clinical Hematology II.....	4
CLLS 3303 Clinical Microbiology I.....	3
CLLS 3313 Clinical Microbiology II.....	4
CLLS 3353 Clinical Parasitology and Mycology I.....	3
CLLS 3403 Clinical Instrumentation I.....	4
CLLS 3433 Methods of Drug Analysis.....	4
CLLS 3443 Clinical Chemistry I.....	4

Second Year

CLLS 4040 Comprehensive Review.....	1
CLLS 4054 Phlebotomy.....	1
CLLS 4080 Laboratory Management and Education (WI).....	3
CLLS 4114 Clinical Serology.....	1
CLLS 4163 Clinical Immunohematology II.....	3
CLLS 4174 Clinical Immunohematology III.....	2
CLLS 4214 Clinical Urinalysis.....	1
CLLS 4263 Clinical Hematology III.....	4
CLLS 4274 Clinical Hematology IV.....	3
CLLS 4323 Clinical Microbiology III.....	4
CLLS 4334 Clinical Microbiology IV.....	3
CLLS 4364 Clinical Parasitology and Mycology II.....	1
CLLS 4453 Clinical Chemistry II.....	4
CLLS 4463 Clinical Chemistry III.....	2
CLLS 4474 Clinical Chemistry IV.....	3

¹ A grade of C or better is required for each professional phase course.

Online Professional Phase¹ (57 semester hours) Semester Hours

First Year

CLLS 3013 Laboratory Techniques.....	4
CLLS 3103 Immunology and Serology.....	3
CLLS 3203 Urinalysis and Body Fluids.....	3
CLLS 3243 Clinical Hematology I.....	3
CLLS 3253 Clinical Hematology II.....	4
CLLS 3353 Clinical Parasitology and Mycology I.....	3
CLLS 3443 Clinical Chemistry I.....	4
CLLS 4080 (WI) Laboratory Management and Education.....	3
CLLS 4453 Clinical Chemistry II.....	4

Second Year

CLLS 3153 Immunohematology I.....	3
CLLS 3303 Clinical Microbiology I.....	3
CLLS 3313 Clinical Microbiology II.....	4
CLLS 3503 Perspectives in Clinical Laboratory Sciences.....	4
CLLS 4040 Comprehensive Review.....	1
CLLS 4163 Clinical Immunohematology II.....	3
CLLS 4263 Clinical Hematology III.....	4
CLLS 4323 Clinical Microbiology III.....	4
CLLS 4463 Clinical Chemistry.....	2

Total	59
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¹ A grade of C or better is required for each professional phase course.

Communication Disorders

Admission to the Communication Disorders Program

Selection for admission into the Communication Disorders Program is based on the student's previous academic performance on courses approved by the State Articulation General Studies Committee for the State of Alabama Core Curriculum coursework. Any applicant who is not first a student at AUM must apply to the University. Upon acceptance to the University, students may then apply for admission to the Communication Disorders Program. Students must submit an application no later than June 1st to begin in the Fall semester. All materials in the application must arrive by the designated deadline. Applications will only be reviewed and considered if all materials are included. For the application, students must provide a completed and signed Application for Admission to the Communication Disorders Program, a copy of transcripts from all colleges and universities attended, and one letter of reference which should originate from an academic source. Advising transcripts are acceptable for the application and the letter of reference must be completed by individuals who are not related to the applicant. Transfer students must also submit evidence of acceptance to Auburn University at Montgomery (AUM). Applicants must also submit a sample of student writing, which should address the question of why the student would like to study speech-language pathology and audiology to become a practicing clinician and where he/she would like to be academically or vocationally in five years.

Students may apply for admission before all core curriculum and other requirements are completed, but may not enter the program until 50 of the 55 credit hours are finished. Students must have a 2.75 (on a 4.0 scale) cumulative grade point average (GPA) to apply to the Communication Disorders Program. A GPA of 2.75 does not guarantee acceptance. The number of students who can be admitted to the Program will be determined each semester based on the availability of clinical faculty resources. All applicants must meet the health, communication, and academic requirements, which are outlined under Requirements for Students. Accepted students will be notified in writing of admission and will be required to make an advising appointment in order to register for classes. All students will be given a plan of study upon the first advising appointment.

Students are expected to purchase a copy of the student handbook and the most current copy of the Publication Manual of the American Psychological Association (APA manual) prior to the beginning of the first day of class.

Due to the nature of the profession, students must possess the ability to perform the skills and duties of a Speech-Language Pathologist or Audiologist. Students graduating from the Communication Disorders Program will have developed the following abilities in each area:

Audiology:

1. Conduct a pure tone sweep check audiometric screening according to the procedures recommended by the American Speech and Hearing Association (ASHA).
2. Conduct a pure tone air conduction audiometric test and screening audiometry using standard methods and procedures.
3. Interpret an audiogram.
4. Appropriately refer patients with questionable or abnormal audiometric findings to other professionals for follow-up services.

Speech-Language Pathology:

1. Use both quantitative and qualitative evaluation procedures.
2. Recognize client's strengths and weaknesses.
3. Develop goals and procedures which reflect the client's level of functioning.
4. Demonstrate the ability to change therapy goals based on client's performance.
5. Discriminate between correct and incorrect production of target responses.
6. Establish a reinforcement schedule.
7. Collect data and use the information to determine efficacy of treatment.
8. Counsel the client or family members of the client.
9. Write professional reports which indicate evaluation results or therapy progress.

Students will be required to sign a Program Requirement Agreement form, which states that students must meet these requirements throughout the course of the program. If a student is unable to meet these criteria, the student must withdraw from the Program until such time they are able to meet these requirements.

Requirements for Students - Communication Disorders Program

Health Requirements

1. Adequate vision such as that required to observe communication behavior, conduct speech, language and hearing assessment, and complete speech, language and hearing forms and reports.
2. Adequate hearing such as that required for independent communication in professional interactions (i.e., conduct speech, language and hearing evaluations and treatment, to provide education about these disorders and to interact appropriately in the classroom environment).
3. The student is required to provide evidence of a physical examination, which states that the student is free of communicable disease and is in good health overall, that is dated within one semester of entering the Program.
4. The student must be able to lift 35 pounds.

Communication Requirements

1. The student must demonstrate proficiency in the areas of reading and writing Standard American English as indicated by the following:
2. The student must have a grade point of 2.0 (on a 4.0 scale) or higher in ENGL 1010 and 1020 or its equivalent, along with ENGL 2530, 2570 or 2600 or its equivalent.
3. The student must have a grade point of 2.0 (on a 4.0 scale) or higher in COMM 1010 or its equivalent.
4. The student must pass the speech and hearing screening examinations administered by the Speech and Hearing Clinic personnel. In the event these examinations reveal any deficiency, recommendations for remediation procedures will be communicated to the student. These recommendations may include speech therapy or referral to a physician.

Academic Requirements

1. The student must have completed a minimum of 50 of the 55 hours required in the Alabama State Core.
2. The student must have a minimum cumulative grade point average of 2.75 (on a 4.0 scale) on all work taken prior to admission to the Communication Disorders Program and have made normal progress toward degree completion as stated in the AUM Catalog.
3. The student must be in good standing at AUM or other regionally accredited institution.
4. The major and concentration coursework in this curriculum must be successfully completed within 12 semesters.
5. Any course grade below C in the student's major and within the concentration coursework is unacceptable for graduation and must be repeated.
6. Students who receive a D or F in any communication disorders course at AUM have one opportunity to repeat that course and the course must be repeated at AUM. Students who receive a D or F in any two communication disorders courses at AUM may not continue in the program unless one of the following exceptions applies.
 - a. The student provides the head of the Department of Communication Disorders with a statement and supporting documentation indicating that the grades of D or F were the result of a medical problem or other nonrecurring event or condition.
 - b. The student provides a signed statement describing the reason(s) for grades of D or F to the head of the Department of Communication Disorders. In addition, the student must obtain approval from the head of the Department of Communication Disorders and provide a written action plan for improving future performance.

Students who receive one more D or F in any communication disorders course at AUM may not continue in the program.

Coursework in Lower Division

Course Name	Semester Hours
UNIV 1000 University Success ¹	3
AREA I (2 courses, 6 hours)	
ENGL 1010 English Composition I	3
ENGL 1020 English Composition II	3
AREA II (4 courses, 12 hours)	
Literature I (ENGL 2530 English Lit. I or ENGL 2570 American Lit. I or ENGL 2600 World Lit. I) ^{2*}	3
Literature II (in sequence: ENGL 2540 English Lit II OR ENGL 2580 American Lit II OR ENGL 2610 World Lit. II) ^{2*}	3
Fine Arts (MUSI 2110 OR VISU 1000 OR THEA 2040 OR VISU 2600)	3
PHIL 2100 Applied Ethics	3
AREA III (3 courses, 11 hours)	
MATH 1100 Finite Mathematics ^{3*}	3
BIOL 1000 and 1001 Introduction to Biology and Lab	4
PSCI 1500 and 1501 Introduction to Chemistry and Lab	4
AREA IV (4 courses, 12 hours)	
HIST 1010/1020 World History I or II (recommended) OR	
HIST 1060/1070 Western Civilization I or II OR	
HIST 2010/2020 American History I or II ^{4*}	3-6
PSYC 2110 General Introductory Psychology	3
SOC 2000 Introduction to Sociology	3
AREA V (see upper level coursework)	
Statistics ⁵	3
Major Electives or Minor ⁶	12

¹Required for new freshmen, for transfer freshmen, and for transfer students with GPA of 2.2 or below, who will begin taking courses at AUM in Fall 2013 or later).

²These courses must be sequenced, for example American Literature I and II. (If a history sequence has already been completed, an Area II elective may be substituted for one Literature course. Area II elective courses must be chosen from those listed on the AGSC approved lists: <http://stars.troy.edu/stars/CRSLISTS/AUM-a.htm> for Auburn Montgomery courses, <http://stars.troy.edu/stars/CRSLISTS/2yr-a.htm> for community college courses.) If a sequence has not yet been completed, the Literature sequence is recommended to avoid taking an additional course.

³Finite Mathematics is recommended. Another Area III approved math course such as PreCalculus Algebra or PreCalculus with Algebra & Trigonometry, etc., is also accepted.

⁴Only one History course is required. If a History sequence has already been completed (i.e., World History I and II), a Literature sequence is not necessary, and an Area II elective may be substituted for the second Literature course. (See 2 above.) Four courses are still required in Area II, and in Area IV.

⁵Any course in statistics is acceptable

⁶Students must select four courses from the following: ANTH 3740, BIOL 2100/2101, BIOL 2110/2110, BIOL 2200, BIOL 2410, BIOL 3160, BIOL 3303, BIOL 4103, COMM 4903, COMM 3203, COMM 3213, ECHE 3100, ECHE 3200, FNDS 3760, FNDS 4050, FNDS 4400, FNDS 4500, FNDS 4600, FSE 2120, FSE 2140, FSE 4703, GERO 4400, GERO 4500, GERO 4700, GERO 4800, PSYC 2120, PSYC 3123, PSYC 3280, PSYC 3450, PSYC 3510, PSYC 3520, PSYC 3660, PSYC 3780, PSYC 4330, PSYC 4340, PSYC 4350, PSYC 4623, SCED 4000, SOCI 2010, SOCI 3250, 4300, SOCI 4400, SOCI 4450, SOCI 4500, SOCI 4700 or courses the advisor deems appropriate OR Students may earn a minor in Psychology by completing 18 credit hours from the following courses: PSYC 2110, PSYC 3123, PSYC 3280, PSYC 3450, PSYC 3510, PSYC 3520, PSYC 3660, PSYC 3780, PSYC 4330, PSYC 4340, PSYC 4350.

Coursework in Upper Division

	Semester Hours
CMDS 3400 Speech and Hearing Mechanism	3
CMDS 3500 Introduction to Communication Disorders	3
CMDS 4410 Phonetics	3
CMDS 4500 Methods and Procedures	3
CMDS 4510 Articulation and Phonological Development and Disorders	3
CMDS 4520 Voice Disorders and Craniofacial Anomalies	3
CMDS 4530 Language Development	3
CMDS 4560 Speech and Hearing Science	3

CMDS 4570 Neurophysiological Aspects.....	3
CMDS 4580 WI Fluency Disorders	4
CMDS 4590 Diagnosis and Clinical Management	3
CMDS 4600 Introduction to Audiology.....	3
CMDS 4601 Clinical Practicum I in Audiology.....	1
CMDS 4610 WI Writing for Speech Language Pathology and Audiology	4
CMDS 4620 Aural Rehabilitation, Habilitation	3
CMDS 4621 Clinical Practicum II in Audiology.....	1
CMDS 4640 Language and Cognitive Disorders	3
CMDS 4911 Observations in Speech Pathology.....	1
CMDS 4914 Clinical Procedures in Speech	6

Speech and Hearing Clinic

Operated by the Department of Communication Disorders, the AUM Speech and Hearing Clinic is a comprehensive facility serving central Alabama. The clinic provides complete diagnostic and therapeutic services for children and adults with speech and hearing delays or difficulties. The Speech and Hearing Clinic benefits students in Communication Disorders by offering supervised clinical practicum hours working with individuals who display a wide range of communication disorders.

Warhawk Health Services

A primary care student health clinic is available to students at the Warhawk Health Services Clinic in Irma B. Moore Hall, Room 102. For a nominal co-payment, students can be seen for problem-oriented visits by a certified registered nurse practitioner. Preventive health services, including health screening, physical examinations, immunizations, women’s health examinations, contraceptive counseling and laboratory testing are available at reasonable rates. Regularly scheduled health education programs, distribution of protective devices and health education materials are offered through the clinic.

The clinic is open during regularly scheduled university semester sessions for currently enrolled AUM students with a valid student I.D. The clinic hours are 8 a.m. to 5 p.m., Monday through Friday, closed daily from 12 to 1 p.m. Patients are seen from 8:15 a.m. to 4:30 p.m. by appointment. Please call 334-244-3281 to make an appointment. TDD users may call 334-244-3801.

Health insurance is highly recommended for all students attending AUM to cover accidents and emergency illnesses. Those students who are not covered under an insurance program are encouraged to participate in the voluntary low-cost student health insurance program available to enrolled AUM students. Additional information can be obtained from the Office of Student Affairs, 334-244-3620. TDD users may call 334-244-3801. Note: At this time, Warhawk Health Services is able to accept cash and major credit cards (excluding American Express) as forms of payment.

College of Science

Dr. Douglas Leaman, Dean

Faculty:

Biology and Environmental Sciences

Professors Leaman (Dean), Okeke, Stine, and Ward (Chair)
Associate Professors Aho, Costa, Ha, Haddix, Grillot, Kroft, O'Neil, and Thomson
Assistant Professors Breitman, Cuba, Koelling, and Stein
Lecturers Aggarwal, Foster, and Rover
Lab Coordinators Rogers, Schmaeman, and Stoeckel

Chemistry

Professors Kim (Chair) and Thomas
Associate Professor Hutchison
Assistant Professors Arnold, Ciesielski, Russell, and Si
Lab Coordinator R. Richardson

Computer Science and Computer Information Systems

Professors Wu (Chair) and Underwood
Associate Professor Dinc
Assistant Professors Kursun, Liu, and Gao
Lecturers Yan

Mathematics

Professors Goddard (Assistant to Chair), Ragland, Underwood, and Wang (Chair)
Associate Professors Aga, T. Chen, Y. Chen, and Lee
Assistant Professor Park
Lecturers Hand, Lipham, McDonald, Moore, Paulk, Tang, and Valentine

Psychology

Professors Harper, Lobello, Mehta, Ray and Zachar (Associate Dean)
Associate Professors Arms-Chavez (Chair), Carol, and Parenteau
Assistant Professor Bodily, Garrison, and Giordano

Programs:

Biology

- Biology Health Sciences
- General Biology
- Molecular Biology
- Public Health and Microbiology

Chemistry

- Chemistry
- Chemistry/Health Sciences
- Chemistry/Professional

Computer Science and Computer Information Systems

Environmental Science

- Environmental Biology
- Environmental Chemistry
- Environmental Geographic Information Systems
- Environmental Health and Toxicology

Mathematics

Mathematics Education

Pre-Engineering

Psychology

College of Sciences

The College of Sciences provides coursework and programs in the life sciences, physical sciences, computer science, mathematics, and psychological science. The College is committed to creating a dynamic and stimulating environment, focused on the use of the scientific method that serves to foster open inquiry, encourage critical thinking, and promote ethical decision making. The College includes the departments of Biology & Environmental Science, Chemistry, Computer Science & Computer Information Security, Mathematics, and Psychology. The AUM Center for Cyber Security is also located in the College.

General Considerations

A student who is undecided about his or her major will be classified as undeclared and will be advised by the Undeclared Major Advisor in the Office of Central Advising. Undeclared majors must choose a major by the completion of 41 semester hours of credit.

Several majors include well-developed courses of study, termed “options,” “concentrations,” or “emphases.” Students should consult the list above, at the start of the College of Sciences’ entry in this Catalog.

Courses are available that will enable students to meet all pre-professional requirements in medicine, dentistry, optometry, nursing, pharmacy, veterinary medicine, law, and engineering.

In all curricula within the College of Sciences, the major consists of a minimum of 36 hours (see departmental requirements), a minor of at least 12 hours (where required by the major) and sufficient electives to ensure the completion of a minimum of 120 semester hours of course work.

Special Requirements for Majors

The University requires students to complete all courses identified in the major field of study with a cumulative GPA of at least 2.0 (C) and a grade of C or higher in each of the required university English composition courses. Since each department in the College of Sciences has specific requirements for its majors, and because these requirements will vary significantly from one department to another, it is imperative that students consult their advisors. This advisor is responsible for working with the student to ensure his or her program meets departmental requirements. It is, however, the responsibility of all students to meet with their advisors on a regular basis and to fulfill all requirements for the degree.

Pre-Health Sciences

Students planning to pursue careers in the health professions are collectively referred to as pre-health sciences students. Pre-health sciences at AUM includes students interested in attending undergraduate, graduate, or doctoral level programs in the health care field. Medicine, dentistry, optometry, pharmacy, and veterinary medicine are just a few of the many programs available in healthcare, and the AUM pre-health sciences advisor works to prepare students for admission to whatever program they are interested in. Please contact Central Advising at 334-244-3969 for more information.

Pre-health sciences programs at AUM are designed to be pre-professional curricula and not degree programs in themselves. This allows students to graduate from AUM with an academic major that can provide alternative possibilities if career plans change. The most common choices of majors in the past have been biology, mathematics, and chemistry. However, as long as specific entrance requirements are met, professional schools have no preference for any particular academic major, and students can major in any

degree program they choose. After a departmental classification has been chosen, the student must consult both the appropriate health sciences advisor and the departmental advisor prior to registering for courses. All pre-health students will be advised by the College's pre-health sciences advisor.

Most health professions programs have similar admission requirements, but each school has its own specific requirements for admission. Students should be aware of the specific requirements of the schools they intend to apply to and the prerequisites for required courses in these areas. In the majority of cases the following suggested courses would be appropriate for the first two years of studies in any area of pre-health sciences:

- First Year: CHEM 1100/1101 and CHEM 1200/1201; one appropriate mathematics course; ENGL 1010 and ENGL 1020; BIOL 1010/1011 or 1017/2018; and BIOL 1020/1021 or 1027/1028.
- Second Year: Two appropriate biology courses; CHEM 3100/3101 and CHEM 3200/3201; and PHYS 2100/2101 and PHYS 2200/2201

In every instance, it is strongly recommended that students attempt to complete the courses on which the professional school entrance examinations are based prior to the end of their junior year. Specific advice can be obtained from the pre-health sciences advisor.

AUM pre-health students have routinely been accepted to medical, dental, optometry, physician assistant and other health professions programs nationwide. Apart from a relatively high GPA obtained from normal course loads, professional schools require a consistent superior performance over a considerable period of time. In particular, most schools strongly discourage students from withdrawing from courses or avoiding English or laboratory courses by taking equivalency examinations. AUM's Health Professions Advisory Committee (HPAC) recommends premedical, pre-dental, and pre-optometry students for admission.

Students will be most competitive for admission to pre-health programs when they maintain an above-average GPA (3.2 and above); participate in shadowing experiences, internships, or summer programs; and perform well on admissions tests. Students are encouraged to always have a "plan B" for their career goals should their pre-health plans change, or their academic performance does not meet competitive standards. Pre-health professions students maintain a rigorous course load, including many labs and extracurricular activities. This could pose a challenge to students who work full time or are limited in their class availability. Students who fall significantly below a 3.2 GPA at the end of the sophomore year should seriously consider another curriculum or accept a low chance of success in gaining admittance to the professional school.

Students returning to college are expected to complete several semesters of normal pre-health course work before applying to health professions schools.

If a degree was not completed prior to admission to a professional program, upon successful completion of the first year in a doctoral program in medicine, dentistry, optometry, or veterinary medicine, up to 27 hours of credit may be applied towards a baccalaureate degree at AUM, subject to the approval of the Dean for the degree area involved.

Pre-professional preparation for allied health disciplines such as physical/occupational therapy, physician assistant, radiologic sciences, public health and nutrition science are also available. Two to four years of preclinical study are required by professional schools, but most students will be more competitive having completed their undergraduate degree. Although advisors at AUM will provide as much assistance as possible, students are responsible for knowing and meeting entrance requirements for specific professional schools by the appropriate deadlines.

Since other requirements must be met, completion of these courses does not ensure admission. Interested students should consult their advisor, preferably no later than their junior year, and should examine the requirements of the specific school they wish to attend to identify the needed curriculum.

Biology Major

Students interested in biology as a major currently have four distinct concentrations in planning their course work:

Biology Health Science
General Biology
Molecular Biology
Public Health and Microbiology

In each of these concentrations, the student is required to complete courses in the university core, biology, related science areas, and electives. Each concentration requires a different assemblage of science and non-science courses. The Biology and Environmental Science Department should be contacted for a current listing of courses required to complete a specific concentration and for additional concentrations that may become available.

The above concentrations prepare students for careers in the health field, environment, biotechnology and for employment in a number of jobs in government and industry. These concentrations are also preparatory for competitive admission to professional programs and graduate schools. Students interested in careers in health fields should also see Pre-Health Sciences above.

Requirements for the Biology Major

AUM Core Curriculum	Semester Hours
Refer to the University Core for specific requirements	40
Area I. Written Composition	6
University Success	3
Area II. Humanities and Fine Arts	minimum of 12
One of the courses must be a University core communication course ¹	
Area III. Natural Science and Mathematics	minimum of 11
Cellular and Molecular Basis of Life AND Organisms, Adaptations, and the Environment with labs	8
Area IV. History, Social Sciences and Behavioral Sciences	minimum of 12
Area V. Biology and Support Courses ²	79
Chemistry Courses	20
Biostatistics	3
Genetics, Microbiology, Capstone Biology	11
Writing intensive biology course in addition to capstone biology	4
Calculus – for BIHS, BIMB, and BIGN	4
Physics Courses – for BIHS, BIMB and BIGN	8
Junior and Senior level biology specific course requirements and choices are controlled by the concentration. Please see your advisor	28-40
Total Minimum Number of Hours	120

¹ A sequence of literature or history is required.

² Contact Department of Biology and Environmental Science for specific course listings or see index in back of catalog.

Biology students enrolled at AUM may take marine biology courses at the Dauphin Island Sea Lab in Mobile, Ala. For further details, consult the section that follows entitled Marine Biology Environmental Sciences Consortium.

Minors in Biology

The Department of Biology and Environmental Science offers 3 minors: Biology; Beer, Wine, and Food Fermentation; and Nutrition. The Biology minor requires 4 courses in addition to the freshman biology series (BIOL 1010/1011 and 1020/1021). One of the courses must be at the 3000 or 4000 level.

Beer, Wine, and Food Fermentation is offered with the help of the Department of Kinesiology and requires a combination of Biology and Management courses. Pre-requisites include an introductory biology course and Microbiology. An internship at a local winery or brewery is required in addition to the following courses:

- BIOL 4050/4051 or BIOL 4053 (Industrial Microbiology)
- BIOL 4040/4041 Beer, Wine, and Food Fermentation
- BIOL 4924 Beer or Wine making Internship
- PHED 4370 Sports Sales and Promotion
- PHED 4330 Sports Marketing
- PHED 4360 Sports Finance

Nutrition is also offered with the help of the Department of Kinesiology and requires a combination of Biology and Nutrition courses. The following courses are required:

- BIOL 2000 Nutrition
- PHED 4210 Nutrition Assessments
- PHED 4220 Lifecycle and Community Nutrition
- PHED 4240 Metabolism and Function of Nutrients I
- PHED 4280 Metabolism and Function of Nutrients II

Chemistry Major

The Chemistry major has three options, Chemistry, Chemistry/Professional, and Chemistry/Health Sciences. The Chemistry major is designed for students who wish to work in government or private laboratories. The Chemistry/Professional option is designed for students who wish further preparation for a career in Chemistry, or who wish to pursue graduate education in Chemistry. The Chemistry/Health Sciences option is designed for students who wish to apply for professional schools in medicine, pharmacy, dentistry, optometry, or physical therapy.

Chemistry

Electives should include any additional prerequisites required for the specific program to be pursued after graduation from AUM. It is important that students enroll in their first mathematics course (as determined by their mathematics placement test score) and general chemistry at the earliest possible opportunity. Students are encouraged to discuss career opportunities with faculty members in the department before the end of their sophomore year.

Requirements

Semester Hours

Chemistry (excluding PSCI 1500/1501, CHEM 2300/2301 and CHEM 4980).....	33
Physics	8
Mathematics (including MATH 1510 or MATH 1610 and MATH 2200 or STAT 2670)	6-7

AUM Core Curriculum:

Area I. Written Composition	
English Composition (ENGL 1010 and 1020)	6
Area II. Humanities and Fine Arts	12
Area III. Natural Sciences and Mathematics	11 ¹
Area IV. History, Social and Behavioral Sciences	12
Electives ²	39-40
Senior Seminar.....	3
Total Hours	120

¹Area III core courses are to be included in 11 semester hours of mathematics, chemistry or physics.

²Elective credit can be obtained for PSCI 1500/1501. Credit will not be allowed for any course below the 1000 level. Credit will not be allowed for PSCI 1100, or BIOL 1050 or any mathematics course below MATH 1100.

Chemistry/Professional

This option is intended for students planning to attend graduate school in the chemical sciences. Faculty members in the department will be pleased to discuss the attractive career prospects for students who complete this program.

Requirements	Semester Hours
General and Organic Chemistry	16
Chemistry Electives (excluding CHEM 2300/2301)	21
Chemistry Directed Study.....	4
Physics	8
Mathematics (including MATH 1610, MATH 1620 and STAT 2670 or MATH 2200 and one additional mathematics course above MATH 1610)	14

AUM Core Curriculum:

Area I. Written Composition	
English Composition (ENGL 1010 and 1020).....	6
Area II. Humanities and Fine Arts	12
Area III. Natural Sciences and Mathematics	11 ¹
Area IV. History, Social and Behavioral Sciences	12
Electives ²	22-24
Senior Seminar	3
Total Hours.....	120

¹Area III core courses are to be included in 11 semester hours of mathematics, chemistry or physics.

²Elective credit can be obtained for PSCI 1500/1501. Credit will not be allowed for any course below the 1000 level. Credit will not be allowed for PSCI 1100, or BIOL 1050 or any mathematics course below MATH 1100.

Chemistry/Health Sciences

The curriculum in the major is designed for students planning to apply to medical, pharmacy, dental, physical therapy or optometry school. Chemistry majors have enjoyed considerable success on application for admission to these schools. This is consistent with nationwide trends.

It is important for students to consult with an advisor to determine which degree program (chemistry or professional option) is most suitable for their pre-professional plans. Both programs provide all the prerequisites for application to health professional schools. The chemistry option is a particularly flexible curriculum that is attractive to students who want more opportunities to choose their courses and customize the major to reflect their special interests.

The following list is a general outline of the Chemistry degree requirements for a student planning to attend a health professional school in Alabama. Students should consult with an advisor in the department for details and the specific requirements for a particular professional school.

Requirements	Semester Hours
General Chemistry	8
Organic Chemistry	4-8
Chemistry Electives.....	17-21
Physics	8
Mathematics	7
University Core (beyond 11 hours in science and math)	30
Electives (Including required biology courses)	39
Senior Seminar	3
Total Hours.....	120

In the event that Chemistry majors do not enter a professional health science school, employment rates for students with strong backgrounds in chemistry are very high. In addition, large numbers of teaching

assistantships are available for students who enter graduate programs in chemistry. It should be noted that either employment or financial assistance in graduate school is best obtained when applications are made at least six months before graduation. Contact the health sciences advisor for more information.

Computer Science Major

The Department of Computer Science and Computer Information Systems offers a program leading to the B.S. degree in Computer Science (CS).

The Computer Science program is designed to provide a solid foundation necessary for graduates to succeed in the computer industry and in graduate studies. All electives must be approved by the Department of Computer Science and Computer Information Systems. Students in CSCI must complete the following AUM courses.

Requirements	Semester Hours
Area I. Written Composition	
ENGL 1010 and ENGL 1020.....	6
Area II. Humanities and Fine Arts	
Fine Arts.....	3
Literature.....	3
Literature or Foreign Language	3
COMM 1010.....	3
Area III. Natural Sciences and Mathematics	
MATH 1610.....	4
PHYS 2100.....	4
PHYS 2200.....	4
Area IV. History, Social and Behavioral Sciences	
History Sequence.....	6
Social Science.....	6
Area V.	
MATH 1620.....	4
MATH 2660.....	3
MATH 4670.....	3
CSCI 2000.....	3
CSCI 2200.....	3
CSCI 3000.....	3
CSCI 3100.....	3
CSCI 3200.....	3
CSCI 3300.....	3
CSCI 3400.....	3
CSCI 3600.....	3
CSCI 3650.....	3
CSCI 3700.....	3
CSCI 4100.....	3
CSCI 4250.....	3
CSCI 4300.....	3
CSCI 4350.....	3
CSCI 4400.....	3
CSCI 4450.....	3
CSCI 4950.....	2
CS approved Science	4
CS approved electives.....	12
Total	124

Minor in Computer Science

The minor in Computer Science consists of 18 credit hours in computer. In addition to CSCI 2000, CSCI 2100, CSCI 3000 and CSCI 3600, students must select two of the following: CSCI 3100, CSCI 3200, CSCI 4100, and CSCI 4250. Students may have to take additional courses to fulfill the prerequisites of the required courses. A minimum of nine semester hours of credits to the minor must be completed in residence.

Environmental Science Major

Students interested in environmental science as a major currently have four distinct concentrations in planning their course work:

- Environmental Biology
- Environmental Chemistry
- Environmental Health and Toxicology
- Environmental Geographic Information Systems

In each of these concentrations, the student is required to complete courses in the university core, biology, related science areas, and electives. Each concentration requires a different assemblage of science and non-science courses.

The Biology and Environmental Science Department should be contacted for a current listing of courses required to complete a specific concentration and for additional concentrations that may become available.

The above concentrations prepare students for careers in the environment, geographic information systems, and employment in a number of jobs in the government and industry. These concentrations are also preparatory for competitive admission to professional programs and graduate school. Students selecting this degree may be eligible after their freshman year for a cooperative education program. This program allows students to obtain work experience in their field while continuing their education. In a typical work experience program, a student is paid by the employing agency, such as the Alabama Department of Environmental Management.

Environmental Science students enrolled at AUM may take marine biology course at the Dauphin Island Sea Lab in Mobile, Ala. For further details, consult the section that follows entitled Marine Biology Environmental Sciences Consortium.

Requirements for the Environmental Science Major

AUM Core Curriculum	Semester Hours
Refer to the University Core for specific requirements.....	40
Area I. Written Composition	6
University Success.....	3
Area II. Humanities and Fine Arts	minimum of 12
One of the courses must be a University core communication course ¹	
Area III. Natural Science and Mathematics.....	minimum of 11
Cellular and Molecular Basis of Life AND Organisms, Adaptations, and the Environment with laboratories.....	8
Area IV. History, Social Sciences and Behavioral Sciences.....	minimum of 12
Total Hours for Core Courses	40
Area V. Biology and Support Courses ²	79
Chemistry Courses	16
Biostatistics	3
Ecology, Environmental Law, Capstone.....	11
Writing intensive biology course in addition to Capstone	4
Environmental Science Seminars.....	2
GIS.....	8
Earth Science	4

Junior and senior level biology specific course requirements and choices are controlled by the concentration. Please see your advisor.

Total Minimum Number of Hours 120

¹A sequence of literature or history is required.

²Contact Department of Biology and Environmental Science for specific course listings or see index in back of catalog.

For more information on the Alabama Marine Environmental Sciences Consortium (MESC), see below.

Alabama Marine Environmental Sciences Consortium

The Marine Environmental Sciences Consortium (MESC) is Alabama’s unique approach to marine education and research. The MESC is charged with supporting the marine environmental science programs of member colleges and universities within the state by combining financial, academic and intellectual resources in one place. The MESC is housed at the Dauphin Island Sea Lab, an internationally renowned facility where courses and research in marine science can be pursued.

The Dauphin Island Sea Lab is located on the east end of Dauphin Island, 35 miles south of Mobile, Ala. The facilities can accommodate approximately 200 people in residence. Support facilities include an apartment building, dormitories, a cafeteria, several three-bedroom family houses, a swimming pool and other amenities. Specific facilities available to consortium members include the Dauphin Island Sea Lab, Point aux Pins Marsh Lab, Hydrolab, Bayou La Batre Vessel Facility, teaching classrooms, library, research laboratory space, and state-of-the-art instrumentation and equipment.

Course offerings will vary between sessions and between years. In addition to many summer courses being undergraduate and graduate level, other graduate courses are offered throughout the year for resident students. Classes are taught by MESC faculty as well as faculty from member schools and institutions outside the state. Courses have a lecture element, but laboratory exercises are predominantly field experiences. Students are expected to attend a series of weekly seminars where internationally known scientists are invited to speak.

Marine Environmental Sciences

AUM is a member of the Alabama Marine Environmental Science Consortium. Students enrolled at AUM may take select courses at the Dauphin Island Sea lab in Mobile. For a current listing of marine biology courses, students are urged to consult the Sea Lab website, www.disl.org.

Students who are interested in taking marine biology courses should contact Dr. John Aho in the Department of Biology and Environmental Science (334-244-3787). Students are urged to sign up for marine biology courses at the beginning of the spring semester. The following is a partial listing of courses that have been previously offered.

MESC 2000 Level	Semester Hours
Coastal Climatology.....	2
Coastal Zone Management	3
Coastal Geomorphology.....	2
Dolphins and Whales.....	2

MESC 3000 Level	Semester Hours
Marine Biology.....	4
Marine Technical Methods.....	2
Marine Protozoology.....	2
Introduction to Oceanography.....	4

MESC 4000 Level	Semester Hours
Marine Invertebrate Zoology.....	4
Marsh Geology	4
Marsh Ecology.....	4

Marine Fish Diseases	3
Geographic Information Systems & Marine Research.....	3
Marine Conservation Biology.....	3
Marine Botany	4
Marine Vertebrate Zoology	4
Marine Ecology.....	4

Minor in Geographic Information Systems

A minor focusing on the various elements of computer assisted geospatial analysis. The minor consists of 4 courses for 16 semester hours of credit.

Students must take the following courses:

- GEOG 3843 Cartography with Lab
- GEOG 3853 Introduction to Geographic Information Systems with Lab
- GEOG 4913 Advanced Geographic Information Systems with Lab
- One additional GIS or Environmental Science course chosen with the help of your advisor.

Certificate in Geographic Information Systems (GIS)

The certificate in GIS is designed to satisfy the educational component for certification by the GIS Certification Institute (GISCI), a nationally and internationally recognized certification organization. Successful completion of five GIS courses will prepare students to employ computer-assisted spatial analyses in various academic professions as well as provide the tools necessary for practical applications in government or the private sector. Students interested in receiving the certificate must complete all five of the following courses.

- GEOG 3843 Cartography with Lab
- GEOG 3853 Introduction to Geographic Information Systems with Lab
- GEOG 4913 Advanced Geographic Information Systems with Lab
- GEOG 4943 Remote Sensing and GPS Applications in GIS with Lab
- GEOG 4952 Applied Research in Geographic Information Science and Systems with Lab

After successful completion, students receive a certificate of recognition from Auburn University at Montgomery. Students interested in the certificate should consult with individual departments to determine whether courses in GIS may apply to degree programs in which they have an interest. The certificate is also offered to non-degree seeking students.

Mathematics Major

The Department of Mathematics offers a program leading to the B.S. degree in Mathematics. The program allows a student to earn a B.S. degree in Mathematics by completing 120 credit hours.

Students wishing to major in mathematics may choose one of two concentrations: the traditional mathematics concentration (MH) and the statistics concentration (STAT). Students in these concentrations must meet university general studies requirements as well as requirements of the MH concentration or the STAT concentration. All electives must be approved by the Department of Mathematics. Students in MH or STAT must complete the following AUM courses:

Requirements	Semester Hours
Area I. Written Composition	
ENGL 1010 and ENGL 1020.....	6
Area II. Humanities and Fine Arts	
Fine Arts.....	3
Literature.....	3
Literature or Foreign Language	3
COMM 2212/COMM 2100.....	3

Area III. Natural Sciences and Mathematics	
MATH 1610	4
PHYS/CHEM/PSCI+lab	4
PHYS/CHEM/PSCI+lab	4
Area IV. History, Social and Behavioral Sciences	
History	3
History or Literature	3
Approved Social Science	6
Area V.	
MATH 1620	4
MATH 2630	4
MATH 2660 or 3660	3
MATH 3000	3
MATH 3690	3
MATH 4210	3
MATH 4310	3
MATH 4670	3
MATH 4950	3
MATH 4000-level electives ^[00]	xx
MATH/STAT 4000-level electives	12
STAT 3000/ENGR 1210/CSCI 2000/CSCI 1110	3
MATH approved Science /Electives	6-8
MATH approved Field of Application courses	9
MATH approved electives	12-14
Total	120

The Mathematics education (MHSE) option is a joint program provided by the Department of Mathematics and the Department of Curriculum, Instruction and Technology. This option is available for students wanting to teach mathematics in secondary schools. This program leads to a teaching certificate in Alabama for grade 6 to 12. Students will be assigned academic advisors in both departments. Students will be expected to satisfy College of Education requirements concerning admission to professional education and professional internship along with graduation requirements expected of students in both departments.

In addition to the core requirements and College of Education requirements, students pursuing the option in mathematics education (MHSE) must complete the following requirements:

MATH 1150	4
MATH 1610	4
MATH 1620	4
MATH 2630	4
MATH 2660	3
STAT 2670	3
MATH 3000	3
MATH 4110	3
MATH 4200	3
MATH 4210	3
MATH 4310	3
MATH 4470	3
MATH 4950	2
CSCI 1210/ CSCI 2000	3
Approved 3000/4000 MATH or CSCI elective	3

Minor in Mathematics

The minor in Mathematics consists of 19 credit hours in mathematics. In addition to MATH 2630, MATH 2660/3660, MATH 3000, and MATH 3690, students must select two 4000 level courses except for MATH 4950.

Minor in Statistics

The minor in Statistics consists of 4 courses in statistics. In addition to STAT 3000, students must select three 4000-level STAT courses from the list of STAT 4210, 4310, 4610, 4620, 4670, 4690, 4700, 4710 or a department approved STAT 4000-level course.

Minor in Data Science

The minor in Data Science consists of 4 courses in statistics. In addition to STAT 3000, students must select three 4000-level STAT courses from the list of STAT 4500, 4160, 4170, 4150 or a department approved STAT 4000-level course.

Psychology Major

The Department of Psychology promotes the generation, development and transfer of scientific and professional knowledge through its programs of teaching, research and service. The goal of the undergraduate program is to provide students with a comprehensive grounding in scientific psychology, which is intended to result in critical thinking skills and a systematic knowledge of human behavior. Students appropriately distinguish between concepts used in the discipline of psychology, differentiate the various research methodologies used in psychology and competently explain behavior and cognitive-affective states with respect to biological, social and cultural influences.

The following university core courses are required:

AUM University 1000 Requirement	Semester Hours
UNIV 1000	3

AUM Core Curriculum Requirements	Semester Hours
Area I. English Composition	6
Area II. Humanities, Fine Arts and Literature	12
Area III. Natural Sciences and Math	11
Area IV. History and Social Sciences (PSYC 1000)	12
Total Core Requirements	41

Required Courses for the Psychology Major

The student majoring in psychology must take the following:

- the five Psychology major core courses (PSYC 1150, PSYC 2190, PSYC 3190, PSYC 4150, and PSYC 4160);
- one course from each of the three substantive areas (Area A, Area B, and Area C); and
- seven psychology elective courses that bring the total major credits to at least 49 semester hours.

Psychology Major Core	Semester Hours
PSYC 1150 Introduction to Psychological Careers.....	3
PSYC 2190 Research Design.....	3
PSYC 3190 Research Statistics.....	3
PSYC 4150 Principles of Psychological Assessment.....	3
PSYC 4160 History and Systems in Psychology	3

Areas

A. Cognitive-Learning Bases of Behavior (one of the following):

PSYC 2130 Behavior Analysis.....	3
PSYC 2660 Cognitive Psychology.....	3
PSYC 3130 Behavior Modification	3
PSYC 3480 Social Cognition	3

B. Biological Bases of Behavior (one of the following):

PSYC 3310 Health Psychology	3
PSYC 3320 Physiological Psychology	3
PSYC 4330 Sensation and Perception	3
PSYC 4350 Psychopharmacology: Drugs and Behavior	3
C. Personal-Cultural-Social Bases of Behavior (one of the following):	
PSYC 2120 Personal & Social Adjustment	3
PSYC 2450 Social Psychology	3
PSYC 2460 Psychology of Women.....	3
PSYC 2780 Human Growth & Development.....	3
PYSC 3470 Culture of Psychology	3
PSYC 3510 Personality.....	3
PSYC 3530 Abnormal Psychology	3
PSYC 3760 Industrial Psychology.....	3
Seven Psychology Electives.....	21
Total Psychology Program Hours.....	45

Summary of Requirements for Bachelor of Science in Psychology

UNIV 1000	3
AUM Core.....	41
Psychology Major	45
University Free Electives	31
Total Hours	120

Minor in Psychology

The Department of Psychology offers a minor in Psychology. The Psychology minor requires 4 psychology courses in addition to General Introductory Psychology (PSYC 1000).

Description of Courses

Subject Area Index (Subject area codes in parentheses)

For departmental curricula and general information, see the index on page 301. This section lists and describes all undergraduate courses taught by the departments of the university. The courses are presented by subject area and arranged in departmental order, alphabetically. The subject (major or concentration) name (the heading in large type) is followed by the subject area code in parentheses.

The subject name (subject area) together with the course number constitutes the official designation for the course for purposes of registration and official records. The specific course title appears following the course number. The figures in parentheses denote the number of hours of semester credit for the course. Following the credit hours will appear the prerequisites (required courses to be taken prior to) and co-requisites (required courses to be taken simultaneously with), if applicable.

Accounting (ACCT)	150	Instructional Technology (INST)	209
American Sign Language – see History ASL	203	Interdisciplinary Studies (IDSC)	209
Anthropology (ANTH)	152	International Studies (INTL)	209
Art History (ARTH)	153	Japanese (JAPN)	210
Biology (BIOL)	154	Kinesiology (see Physical Education)	231
Business (BUSN)	165	Latin (LATN)	210
Chemistry (CHEM)	166	Less Commonly Taught Languages (TLFL)	210
Childhood Education (ECEL)	167	Management (MNGT)	210
Chinese (CHIN)	168	Marketing (MKTG)	212
Communication (COMM)	168	Mathematics (MATH)	213
Communication Disorders (CMDS)	172	Medical & Clinical Laboratory Sciences (CLLS)	220
Computer Science (CSCI)	173	Military Science (MILS)	223
Counselor Education (ECED)	176	Music (MUSI)	224
Criminal Justice (JUST)	177	Nursing (NURS)	225
Early Childhood Education (ECHE)	182	Organizational Leadership (ORGL)	229
Economics (ECON)	183	Philosophy (PHIL)	230
Economic Statistics (ECST)	185	Physical Education (PHED)	231
Elementary Education (ELEM)	185	Physical Science (PSCI)	236
Engineering (ENGR)	186	Physics (PHYS)	237
English (ENGL)	186	Political Science (POLS)	237
Entrepreneurship (ENTR)	192	Psychology (PSYC)	241
Environmental Science (ENSC)	192	Quantitative Methods and Decision Science (QMTD)	243
Finance (FINA)	194	Reading Education (READ)	245
Foundations of Education (FNDS)	195	Religious Studies (RELI)	245
French (FREN)	196	Secondary Education (SCED)	246
Geography: Geographic Information Systems - GIS - (GEOG)	196	Social Work (SOWK)	247
German (GERM)	198	Sociology (SOCL)	248
Health Sciences Interprofessional Collaboration (HSIC)	198	Spanish (SPAN)	251
History (HIST)	198	Special Education (ESPE)	251
History American Sign Language (HASL)	203	Statistics (STAT)	254
Homeland Security and Emergency Management (HSEM)	203	Theatre (THEA)	255
Human Resource Management (HRSM)	204	University Honors Program (HONR)	257
Information Systems (INFO)	205	University Success (UNIV)	258
		Visual Art (VISU)	258

Accounting (ACCT)

2000. Essentials of Accounting (3). Provides the background for a basic understanding of the accounting function in business and nonbusiness organizations. Will not substitute for ACCT 2010 or ACCT 2020. For nonbusiness majors only.

2010. Introduction to Financial Accounting (3). Pr. Min. grade of C in MATH 1100 or MATH 1120 or equivalent. An introduction to the fundamentals of financial accounting process, the preparation of financial statements and the analysis of financial statements.

2020. Introduction to Managerial Accounting (3). Pr. Min. grade of C in ACCT 2010. Covers the use of accounting data in the management functions of planning and controlling through the study of the manufacturing process, budgeting, cost benefit analysis, cost-volume-profit analysis, performance evaluation, product costing and pricing. This course will promote technology literacy.

3000. Excel for Accounting (3). Pr. C or better in ACCT 2020 and INFO 2050. This course teaches students how to efficiently and effectively use Excel to solve accounting, finance, and business problems. The focus is on spreadsheet development, advanced Excel functions, and the use of formulas including cell referencing.

3110. Intermediate Accounting I (3). Pr. Min. grade of C in ACCT 2010. The study of accounting theory as it applies to accounting practice and financial reporting according to generally accepted (GAAP). The three-hour course is the first of three courses covering in detail the financial reporting practices of U.S. corporations.

3120. Intermediate Accounting II (3). Pr. Min. grade of C in ACCT 3110. The study of accounting theory as it applies to accounting practice and financial reporting according to generally accepted accounting practices (GAAP). The three-hour course is the second of three courses covering in detail the financial reporting practices of U.S. corporations.

3130. Intermediate Accounting III (3). Pr. Min. grade of C in ACCT 3120. The study of accounting theory as it applies to accounting practice and financial reporting according to generally accepted accounting principles (GAAP). The three-hour course is the third of three courses covering in detail the financial reporting practices of U.S. corporations.

3150. Writing for Accounting Profession (1). Pr. Min. grade of C in both BUSN 3060 and ACCT 3110. The course emphasizes the written communication skills necessary for success as an accounting professional, including documentation of research and analysis, and preparation of memos, letters, and other forms of communication common to the accounting environment.

3200. Accounting Information Systems (3). Pr. Min. grade of C in both ACCT 2020 and INFO 2050, junior standing. Introduction to accounting information systems with an emphasis on the understanding of transactions and relationships found in basic transaction cycles and the internal controls required by management.

3210. Managerial Cost Accounting (3). Pr. Min, grade of C in ACCT 2020. The study of cost behavior as it relates to cost accumulation, allocation and control procedures for manufacturing, service and governmental organizations, with an emphasis on job-order, process, activity and standard costing methods along with related budgeting and planning techniques.

3310. Income Tax Accounting (3). Pr. junior standing. Income taxation of individuals, sole proprietors, partnerships, corporations and fiduciaries with emphasis on role of taxation in the business decision making process and use of tax software, introduction to partnerships, corporations and estate taxation.

3410. Accounting Information Systems (3). Pr. ACCT 2020 and INFO 2070. Introduction to accounting information systems with an emphasis on the understanding of transactions and relationships found in basic transaction cycles and the internal controls required by management.

4130. Advanced Financial Accounting (3). Pr. Min. grade of C in ACCT 3120. Advanced accounting theories and methods, consolidation of financial statements and other special problems. Duplicate credit will not be allowed for ACCT 4130 and ACCT 6130.

4210. Advanced Accounting Information Systems (3). Pr. Min. grade of C in ACCT 3200 or equivalent. A study of accounting applications, cyber security, and privacy concerns with evaluating accounting systems, processes, and internal procedures. This course applies concepts using technology. Duplicate credit will not be allowed for ACCT 4210 and ACCT 6210.

4320. Advanced Income Tax Accounting (3). Pr. Min. grade of C in ACCT 3310. Specialized tax determination problems of partnerships, corporations, estates and trusts. Additional emphasis on tax research and compliance. Duplicate credit will not be allowed for ACCT 4320 and ACCT 6320.

4380. Taxation: Serving the Community (3). Pr. Min. grade of C in ACCT 2010. Through experiential learning, students will enhance their knowledge of State and Federal taxes by first participating in software training by Impact America/Save First, and then by providing free tax preparation for low-income working families.

4410. Auditing I (3). Pr. Min. grade of C in both ACCT 3120 and ACCT 3200. Principles and procedures of financial statements audits conducted in accordance with professional auditing standards; reviews and compilations; professional ethics and auditor independence.

4450. Auditing II (3). Pr. Min. grade of C in ACCT 4410 or equivalent. Examines selected external auditing topics in-depth, and other professional services performed by CPAs, including relevant professional standards. Duplicate credit will not be allowed for ACCT 4450 and ACCT 6450.

4510. Government and Nonprofit Accounting and Financial Reporting (3). Pr. Min. grade of C in ACCT 3110. Accounting and financial reporting principles and practices for governmental and nonprofit entities. Duplicate credit will not be allowed for ACCT 4510 and ACCT 6510.

4520. Government Auditing and Internal Control (3). Pr. Min. grade of C in ACCT 4410 and ACCT 4510. A study of internal (management) control, generally accepted government auditing standards (GAGAS), and analytical procedures in the government environment. Duplicate credit will not be allowed for ACCT 4520 and ACCT 6520.

4530. Government Budgeting and Performance Reporting (3). Pr. Min. grade of C in ACCT 3110, senior standing. The government financial management function includes the theories and methods of budgeting, performance reporting, and public accountability. Duplicate credit will not be allowed for ACCT 4530 and ACCT 6530.

4610. Accounting and Auditing in Nonprofit Organizations (3). Pr. Min. grade of C in ACCT 3110. Nonprofit accounting, financial reporting theory, related ethical issues, and the Single Audit Act. Duplicate credit will not be allowed for ACCT 4610 and ACCT 6610.

4900. Independent Study (1-3). Pr. junior standing, department head approval. Variable content as determined by faculty member outside of classroom setting. May be repeated up to 6 hours.

4924. Internship in Accounting (1-3). Pr. Department head approval. Provides students with the opportunity to gain valuable insight through practical accounting experience so they may better correlate their academic experience with a professional, real-world environment. Business elective credit.

4970. Special Problems/Special Topics (3). Pr. junior standing, department head approval. Variable content in accounting within the classroom setting. May be repeated up to 6 hours.

5130. Advanced Financial Accounting (3). Pr. Min. grade of C in ACCT 3120. Advanced accounting theories and methods, consolidation of financial statements and other special problems. Duplicate credit will not be allowed for ACCT 4130 and ACCT 5130.

5320. Taxation of Business Entities (3). Pr. Min. grade of C in ACCT 3310. Specialized tax determination problems of partnerships, corporations, estates and trusts. Additional emphasis on tax research and compliance. Duplicate credit will not be allowed for ACCT 4320 and ACCT 5320.

5510. Governmental and Nonprofit Accounting and Financial Reporting (3). Pr. Min. grade of C in ACCT 3110. A study of accounting and financial reporting principles and practices for governmental entities.

5970. Special Topics in Accounting (3). Variable content in the accounting area.

American Sign Language (HASN) See History American Sign Language

Anthropology (ANTH)

2110. Cultural Anthropology (3). Global overview of human cultural diversity, covering societies with varying degrees of complexity. Emphasizes diversity of cultural practices and the effects of globalization on all human societies.

2120. Introductory Archaeology (3). The history, principles and methods of investigating and reconstructing past cultures.

3100. Biological Anthropology (3). Pr. ANTH 2110. Overview of biological anthropology, including evolutionary theory and genetics, primatology, human origins, and biological variation of contemporary populations.

3120. North American Archaeology (3). Pr. ANTH 2110 or ANTH 2120. An archaeological and ethno historical survey of North American cultures from the continent's initial occupation through European colonization.

3300. Anthropology of Death and Dying, (3). Pr. ANTH 2110 or permission of instructor. Examines cultural practices and ideas associated with death, including the dying process, rituals associated with grief, mourning, and burial, and ways of remembering the dead.

3740. Anthropology and Health (3). Pr. ANTH 2110. Introduction to cultural norms, perspectives and perceptions of health care. Focuses on the role of cultural and ethnic beliefs and adaptations pertaining to matters of sickness, curing and well-being in modern and traditional societies.

3800. New World Civilization (3). Pr. ANTH 2110 or ANTH 2120. Traces the development of state level societies in Mesoamerica from the earliest inhabitants to European contact, including the Aztec, Mayan, and Incan cultures.

3810. Language in Culture and Society (3). Pr. ANTH 2110. Examines the relationship between languages and their cultures and societies.

3820. Historical Archaeology (3). Pr. ANTH 2110 or permission of instructor. Overview of methods and theories used by historical archaeologists. Emphasis on North American history from 15th to 20th centuries.

3970. Special Topics in Anthropology (3). Examines selected topics from an anthropological perspective. Topics announced prior to the beginning of each semester. May be repeated for a maximum of 6 hours credit.

4030. Cultural and Social Change (3). Pr. ANTH 2110 min. grade of C and SOCI 4000 or permission of instructor. Research and theories in social and cultural change. Emphasis on the causes and consequences of cultural and social change in traditional, modern and post-modern societies.

4200. Anthropology of Religion (3). Pr. ANTH 2110. Focuses on religious beliefs and practices around the world, including an overview of forms of religion, supernatural beings, religious specialists, myth, and ritual. Examines place of religion within cultural systems.

4900. Independent Study in Anthropology/Archaeology (1-3). Pr. Permission of instructor. Independent reading and/or research in selected areas of anthropology.

4924. Internship in Anthropology (1-3). Pr. Permission of instructor. Independent internship with an anthropology professional. Provides students with an opportunity to gain valuable insight through practical anthropological experiences in a workplace setting.

4940. Field Archaeology (3-6). Pr. ANTH 2120 or permission of instructor. Active field participation using the techniques of excavation, site mapping, data recording, artifact recovery and photography.

4945. Advanced Field Archaeology (1-3). Pr. Permission of instructor. Application of archaeological field methods to an individual project, which is part of a supervised archaeological field program.

Art History (ARTH)

2030. Art History 1 (3). A survey of the visual arts in the West from Prehistory through Medieval ca. 35,000 BCE-1350 CE that emphasizes the Relationships among art, place, and culture.

2040. Art History 2 (3). A survey of the visual arts in the West from Renaissance through Modern ca. 1350-present that emphasizes the relationships among art, place, and culture.

3010. Art Beyond the West (3). Pr. Min. grade of C in ENGL 1010. A study of the visual arts of Africa, Asia, Oceania, the Islamic World, and the Americas that emphasizes the relationships among art, architecture, place, and culture. This course may be taught with ARTH 6010.

3020. Italian Renaissance Art (3). A study of the visual arts in Italy from ca. 1330-1550 that emphasizes the relationships among art, architecture, place, and culture. May be taught concurrently with ARTH 6020.

3030. Baroque and Rococo Art (3). A study of painting, sculpture, and architecture produced in Europe and the Americas during the Baroque and Rococo periods ca. 1550-1750 that emphasizes the relationships among art, architecture, place, and culture. May be taught concurrently with ARTH 6030.

3040. Nineteenth-Century Art (3). A study of painting, sculpture, and architecture produced in Europe and the Americas from the long nineteenth century ca. 1750-1900 that emphasizes the relationships among art, architecture, place, and culture. May be taught concurrently with ARTH 6040.

3050. American Art (3). A study of painting, sculpture, and architecture produced in North America from ca. 1500 to the present that emphasizes the relationships among art, architecture, place, and culture. May be taught concurrently with ARTH 6050.

3060. Art Since 1945 (3). A study of contemporary art produced globally since 1945 that emphasizes the relationships among art, place, and culture. Themes and issues are studied through texts by artists, art historians, critical theorists, philosophers and others. May be taught concurrently with ARTH 6060.

3070. Women in the Arts (3). Pr. Min. grade of C in ENGL 1010. Advanced seminar exploring the diverse roles women have played in the visual arts as subjects, patrons, and artists from antiquity to the present. May be taught concurrently with ARTH 6070.

3090. Medieval Art (3). A study of the art and architecture of Western Europe and Byzantium from the Early Christian period through the Gothic era ca. 250 CE-1350 CE. May be taught concurrently with ARTH 6090.

3610. Egyptian Art (3). Pr. Min. grade of C in ENGL 1010. A study beyond the survey level of ancient Egyptian art and architecture from the predynastic period through the Ptolemaic period ca. 4000 BCE – 30 BCE. May be taught concurrently with ARTH 6610.

3620. Classical Art (3). Pr. Min. grade of C in ENGL 1010. A study of the art and architecture of Greece and Rome from the Bronze Age through Constantine the Great ca. 3500 BCE – 337 CE in relation to politics, religion, urbanization, and imperial ambitions. May be taught concurrently with ARTH 6620.

3630. Modern Art to 1945. Pr. Min. grade of C in ENGL 1010. A study of Modern European and American painting, sculpture, and architecture produced ca. 1860 to 1945 that emphasizes the relationships among art, place, and culture. May be taught concurrently with ARTH 6630.

3640. Northern Renaissance Art (3). Pr. Min. grade of C in ENGL 1010. A study beyond the survey level of the visual arts including painting, the graphic arts, sculpture, and architecture in The Netherlands, Germany, and France ca 1350-1500. May be taught concurrently with ARTH 6640.

3650. Southern Art (3). Advanced seminar of the architecture, material culture, decorative arts, painting, photography, and sculpture in the American South, focusing especially on Alabama and African American art, from the Colonial ear (ca. 1520) to the present. May be caught concurrently with ARTH 6650.

4100. The Artist in Film and Fiction (3). Advanced seminar examines the representation of the artist in non-fiction, fiction, and biographical film as a cultural construct, explores the frequent male gendering of genius, and probes the complex links among “the artist” and madness, addiction, sexuality, and creativity. May be taught concurrently with ARTH 6100.

Biology (BIOL)

0006. Bio Week (0). A week-long Biology experience to help students prepare and feel prepared to be successful in BIOL 1010.

1000. Introduction to Biology (3). Co-req. BIOL 1001. This course serves as an introduction to biological principles relevant to human society. Introduction to Biology, along with BIOL 1001, satisfies a natural sciences laboratory course core. This course is designed for non-science majors and cannot be used toward credit in the biology major.

1001. Introduction to Biology Laboratory (1). Laboratory exercises designed to support the concepts and topics of BIOL 1000. This course, along with BIOL 1000, satisfies a natural sciences laboratory course core. This course is designed for non-science majors and cannot be used toward credit in the biology major.

1010. Cellular and Molecular Basis of Life (3). Pr. Min. grade of C in BIOL 1000 or BIOL 1050; OR min. grade of B# in MATH 0700 or MATH 0703; OR min. grade of C# in MATH 0800, MATH 0803, or MATH 0902, or MATH 903; OR grade of CR in MATH 0903; OR min. grade of D in MATH 1020, MATH 1050, MATH 1100, MATH 1120, MATH 1150, MATH 1510, or MATH 1610; OR ACT Math score min. 20, or SAT Math min. score of 480 OR ALEKS 41, AND min. grade of CR in ENGL 0100 or ENGL 0103; OR min. grade of C in ENGL 1010, or HONR 1757, OR ACT English min. score of 18. Co-req. BIOL1011. Integrated principles of biology, beginning with the structure and function of the cell following reproduction, heredity and evolution. This course, along with BIOL 1011, satisfies a 4-hour core Area III laboratory requirement. Intended for majors or to fulfill a required prerequisite need.

1011. Cellular and Molecular Basis of Life Laboratory (1). Co-req. BIOL 1010. Laboratory exercises designed to support the concepts and principles of introductory BIOL 1010. Inquiry and the scientific method are emphasized. This lab, along with BIOL 1010, satisfies a core curriculum requirement in the natural sciences. This lab must be taken with or after successful completion of BIOL 1010.

1017. Cellular and Molecular Basis of Life Honors (3). Co-req. BIOL 1018. Admission to the University Honors Program (UHP). Integrated principles of biology, beginning with the structure and function of the cell followed by reproduction, heredity and evolution. Credit will not be given for both BIOL 1017 and BIOL 1000 or BIOL 1010.

1018. Cellular and Molecular Basis of Life Laboratory Honors (1). Co-req. BIOL 1017. Laboratory exercises designed to support the concepts and principles of Honors BIOL 1017. Inquiry and the scientific method are emphasized.

1020. Organisms, Adaptations, and the Environment (3). Pr. Min. grad of C in BIOL 1000 or BIOL 1050 OR Min. grade of B# in MATH 0700 or MATH 0703, OR Min. grad of C# in MATH 0800, MATH 0803, MATH 0902 or MATH 0903; OR min. grade of D in MATH 1020, MATH 1050, MATH 1100, MATH 1120, MATH 1150, MATH 1510 or MATH 1610; OR ACT MATH min. score of 20 or SAT Math score min. of 480 or ALEKS min. score of 41 AND grade of CR in ENGL 0100 or ENGL 0103; OR min, grade of C in ENGL 1010, or HONR 1757, OR ACT English min. score of 18. Co-req. BIOL 1021. An introduction to the unifying principles of biology with emphasis on biological diversity, evolution, and ecology. This course, along with BIOL 1021, satisfies a 4-hour core Area III laboratory requirement. Intended for majors or to fulfill a required prerequisite need.

1021. Organisms, Adaptations, and the Environment Laboratory (1). Co-req. BIOL 1020. Supports the concepts and investigations associated with topics in BIOL 1020. This lab, along with BIOL 1020, satisfies a core curriculum requirement in the natural sciences. This lab must be taken with or after successful completion of BIOL 1020.

1027. Organisms, Adaptations, and the Environment Honors (3). Pr. Min. grad of C in BIOL 1000 or BIOL 1050 OR Min. grade of B# in MATH 0700 or MATH 0703, OR Min. grad of C# in MATH 0800, MATH 0803, MATH 0902 or MATH 0903; OR min. grade of D in MATH 1020, MATH 1050, MATH 1100, MATH 1120, MATH 1150, MATH 1510 or MATH 1610; OR ACT MATH min. score of 20 or SAT Math score min. of 480 or ALEKS min. score of 41 AND grade of CR in ENGL 0100 or ENGL 0103; OR min, grade of C in ENGL 1010, or HONR 1757, OR ACT English min. score of 18. Co-req. BIOL 1028. Admission to the University Honors Program (UHP). The systematic dynamics of structural and functional relationships of organisms.

1028. Organisms, Adaptations, and the Environment Laboratory Honors (1). Co-req. BIOL 1027. Admission to the University Honors Program (UHP). Support the concepts and investigations associated with topics in BIOL 1027.

1050. Introduction to Environmental Biology (3). Co-req. BIOL 1051. This course provides non-science majors a global view of essential themes in environmental biology and emphasizes critical thinking, environmental responsibility, and global awareness. This course cannot be used toward credit in the biology major. This is a natural science core course. For online sections, sophomore standing or departmental approval required.

1051. Introduction to Environmental Biology Laboratory (1). Co-req. BIOL 1050. Laboratory exercises designed to support the concepts and topics of BIOL 1050. This course, along with BIOL 1050, satisfies a natural sciences laboratory course core. This course is designed for non-science majors and cannot be used toward credit in the biology major. For online sections, sophomore standing or departmental approval required.

1060. Concepts in Sciences (3). Science of nanotechnology, its applications, fundamentals of ethics and the ethical, societal, and environmental implications of nanotechnology.

1611. Mathematical Biology Laboratory (1). Pr. BIOL 1010 and CHEM 1100. Application of mathematical tools and analysis to biology. Including use of the spectrophotometer; dilution of stock solutions; MPN estimation of bacterial numbers; mutation rate and uses of the Poisson probability distribution; exponential population growth; calculus of reaction rates; and more.

1950. Orientation for Medical Sciences (1). A course for pre-professional students in the health sciences. Emphasis on information and attitudes for accessing professional programs. Graded as satisfactory or unsatisfactory. Credit is in addition to minimum degree requirements.

2000. Nutrition (3). Principles of human nutrition and the factors that influence energy and nutrient requirements throughout the life cycle and in various lifestyles. Attention is given to nutrient deficiencies, toxicities, energy imbalances, and evaluation of personal dietary intake.

2010. Fundamentals of Microbiology (3). Pr. BIOL 1000 and BIOL 1001 or BIOL 1010 and BIOL 1011, or BIOL 1017 and BIOL 1018. Co-req. BIOL 2011. Basic aspects of microbiology including control of microbes, infection, and immunity selected infectious agents, and applied microbiology. Biology majors cannot receive major credit for both BIOL 2010 and BIOL 3010.

2011. Fundamentals of Microbiology Laboratory (1). Co-req. BIOL 2010. The microbiology laboratory reinforces concepts relative to handling, growing, and interpreting data obtained from microorganisms. Lab must accompany BIOL 2010. Biology majors cannot receive major credit for both BIOL 2011 and BIOL 3011.

2020. Botany (3). Pr. Min. grade of C in BIOL 1020 and BIOL 1021 or BIOL 1027 and BIOL 1028. The morphology, physiology, evolution, distribution, and importance of plants.

2021. Botany Laboratory (1). Co-req. BIOL 2020. Laboratory exercises covering the morphology, physiology, evolution, distribution, and importance of plants.

2030. Zoology (3). Pr. Min. grade of C in BIOL 1020 and BIOL 1021 or BIOL 1027 and BIOL 1028. Co-req. BIOL 2031. Identification, taxonomic classification, phylogeny, distribution, life history, and economic/medical importance of protozoans, invertebrates and vertebrates.

2031. Zoology Laboratory (1). Co-req. BIOL 2030. Laboratory exercises in the identification, taxonomic, classification, phylogeny, distribution, life history, and economic/medical importance of protozoans, invertebrates and vertebrates.

2093. Essentials of Anatomy and Physiology (4). Pr. BIOL 1000 and BIO 1001 or BIOL 1010 and BIOL 1011, or BIOL 1017 and BIOL 1018. An introductory study of homeostasis, tissues, and integumentary, skeletal, articular, muscular, circulatory, respiratory and lymphatic systems. This course includes a required laboratory component.

2100. Human Anatomy and Physiology (3). Pr. Min. grade of C BIOL 1010 and BIOL 1011 or BIOL 1017 and BIOL 1018. Co-req. BIOL 2101. A study of the structure and function of the tissues, and integumentary, skeletal, articular, muscular, nervous, and sensory systems.

2101. Human Anatomy and Physiology Laboratory (1). Pr. Min. grade of C in BIOL 1010 and BIOL 1011 or BIOL 1017 and BIOL 1018. Co-req. BIOL 2100. Lab exercises designed to study human anatomy and physiology using dissections, microscopy, models, computer simulations, and graphic illustrations. Lab must be taken concurrently with BIOL 2100.

2110. Human Anatomy and Physiology II (3). Pr. Min. grade of C in BIOL 2100. Co-req. BIOL 2111. A study of the structure and function of the cardiovascular, lymphatic, respiratory, digestive, urinary, endocrine and reproductive systems.

2111. Human Anatomy and Physiology II Laboratory (1). Pr. Min. grade of C in BIOL 2101. Co-req. BIOL 2110. Lab exercises designed to study human anatomy and physiology using dissections, microscopy, models, computer simulations and graphic illustrations. Lab must be taken concurrently with BIOL 2110.

2200. Biostatistics (3). Pr. MATH 1050, MATH 1100, MATH 1120, MATH 1150, or MATH 1610. This course introduces students to statistical techniques commonly used in research and includes estimation and hypothesis testing, ANOVA, linear and nonlinear regression and nonparametric statistics. Extensive use of computer exercises allows students to fulfill their requirement for computer literacy. This is a cross listed course with MATH 2200 and may be team taught.

2410. Biomedical Vocabulary (3). Pr. Min. grade of C in BIOL 1020 and BIOL 1021, or BIOL 1027 and BIOL 1028, or min. grade of D in BIOL 2100 and BIOL 2101, or BIOL 2110 and BIOL 2111, AND min. grade of C in ENGL 1020 or HONR 1857. An introduction to medical word roots, combining forms, prefixes and suffixes needed for building an effective verbal and written biomedical vocabulary.

3010. Microbiology (3). Pr. Min. Grade of C in BIOL 1010 and BIOL 1011 or BIOL 1017 and BIOL 1018; and BIOL 2100, CHEM 1100, or PSCI 1500. Co-req. BIOL 3011. Microbial morphology, growth and control, physiology, genetics, concepts of pathogenesis, immunology, and epidemiology, environmental and industrial microbiology. Biology majors cannot receive major credit for both BIOL 2010 and BIOL 3010.

3011. Microbiology Laboratory (1). Co-req. BIOL 3010. Laboratory techniques that reinforce concepts relative to the concepts presented in BIOL 3010. Biology majors cannot receive major credit for both BIOL 2011 and BIOL 3011.

3040. Animal Nutrition (3). Pr. Min. grad of C in BIOL 1010 and BIOL 1011 or BIOL 1017 and BIOL 1018; and min. grade of D in CHEM 1100. This course emphasizes topics related to the fundamental and applied aspects of industrial and domestic animal nutrition. Principles covered include: classification and function of nutrients, deficiency symptoms, digestive processes, characterization of feedstuffs, and formulation of diets.

3100. Biology of Forensics (3). Pr. BIOL 1020 and BIOL 1021 or BIOL 1027 and BIOL 1028. Co-req. BIOL 3101. This course explores the application of scientific methods and techniques to problems in the field of forensic science with emphasis on forensic biology. Topics considered include analysis of hair, fiber and other materials, fingerprinting, forensic serology and toxicology and DNA analysis.

3101. Biology of Forensics Laboratory (1). Co-req. BIOL 3100. Laboratory exercises to accompany BIOL 3100 Biology of Forensics. This course introduces the student to some of the laboratory methods involved with forensic biology.

3250. Epidemiology (3). Pr. BIOL 2010 and BIOL 2011 or BIOL 3010 and BIOL 3011. An introduction to the techniques used in studying the transmission, incidence and frequency of disease occurrence in populations.

3300. Genetics (3). Pr. Min. grade of C in BIOL 1010 and BIOL 1011 or BIOL 1017 and BIOL 1018 and min. grade of C in CHEM 1200 and CHEM 1201 or CHEM 3100 and CHEM 3101, sophomore standing. Co-req. BIOL 3301. The study of basic principles, concepts and problems relative to gene inheritance in animals and plants. The course includes topics that cover both classical and modern genetics.

3301. Genetics Laboratory (1). Co-req. BIOL 3300. Students gain practical experience in classical and molecular genetic laboratory techniques.

3400. Principles of Toxicology (3). Pr. Min. grade of C in BIOL 1020 and BIOL 1021 or BIOL 1027 and BIOL 1028, and Min. grade of D in CHEM 1020. Covers toxicology, the study of poisons. Topics will include molecular and cellular sites of action of toxicants, carcinogenesis, teratology, effects of toxicants on the nervous system, cardiovascular system, respiratory system, and other organ systems, and ecosystem level effects.

3500. Biological Instrumentation (3). Pr. Min. grade of C in BIOL 1010 and BIOL1011 or BIOL 1017 and BIOL 1018. Co-req. BIOL 3501. An introduction to modern laboratory techniques and instrumentation for defining and measuring parameters encountered in biology. This course is basic to other courses in molecular biology.

3501. Biological Instrumentation Laboratory (1). Co-req. BIOL 3500. A laboratory introduction to modern laboratory techniques and instrumentation for defining and measuring parameters encountered in biology. This course is basic to other courses in molecular biology.

3700. Introductory Perspectives in Biology (3). Pr. Min. grad of C in BIOL 1010 or BIOL 1017 AND BIOL 1020 or BIOL 1027. Allows students to study a current topic not offered in the basic biology curriculum at the introductory level. Topics will vary and times offered will be irregular. May be taken two times for credit as topics vary.

3740. Anthropology and Health (3). Pr. ANTH 2110 or BIOL 1010. This course introduces you to the area of specialization, medical anthropology. The primary objective is to provide the materials for you to think about health and wellbeing outside the framework of standard biomedical concepts. Instead, you will examine health and concepts of health as ecological, evolutionary, and cultural systems rather than as merely products of disease dynamics. A second objective is to compare various societies in terms of their patterns of health and disease, their adaptive systems, and their beliefs about illness.

3800. Topics in Ecological Economics (3). Pr. Junior standing. An exploration of the often divergent viewpoints of economists and ecologists over environmental issues. Issues of interest include economic development, environmental preservation, government regulation and international environmental conflicts. Cross listed as ECON 3800.

3932. Biology Navigation: Mentored Teaching in Biology (1-3). Pr. Permission of instructor. Biology navigators will work closely with students to guide them through biology courses, facilitating communication with the instructor and other students, encouraging involvement in group work, help problem solving study skills and classroom engagement, and introduce students to support services on campus.

4013. Medical Microbiology (Combined) (4). Pr. BIOL 2010 and BIOL 2011 or BIOL 3010 and BIOL 3011 and min. grade C in ENGL 1010 or HONR 1757. The etiology, epidemiology, vector controls, identification and pathogenesis of microorganisms of medical importance to man. This course includes a required laboratory component.

4020. Vector-borne and Zoonotic Diseases (3). Pr. Min. grade of C in: BIOL 1010 and BIOL 1011 or BIOL 1017 and BIOL 2018 or BIOL 1020 and BIOL 2021 or BIOL 2017 and BIOL 2018. This course explores zoonotic and vector-borne diseases of historic and current importance in public health. Major vector-borne and zoonotic diseases are discussed including epidemiology, available means of prevention and control of the disease and vectors, and concepts related to emergence of these diseases.

4033. General Virology (Combined) (4). Pr. BIOL 2010 and BIOL 2011, or BIOL 3010 and BIOL 3011 and BIOL 3300 and BIOL 3301 and min. grade C in ENGL 1010 or HONR 1757. The molecular biology of bacterial and animal viruses; pathogenesis; diagnosis; and procedures for isolation, cultivation and purification. This course includes a required laboratory component.

4043. Beer, Wine, and Food Fermentation (4). Pr. BIOL 2010 and BIOL 2011 or BIOL 3010 and BIOL 3011 and min. grade of C in ENGL 1010 or HONR 1757. An in depth at the production of beer, wine, and ciders. Topics will also cover the production of lactic acid fermented foods such as pickles, kombucha, kimchi, and sauerkraut. This course has a required lab.

4050. Industrial Microbiology (3). Pr. BIOL 2010 and BIOL 2011 or BIOL 3010 and BIOL 3011 and min. grade C in ENGL 1010 or HONR 1757. Co-req. BIOL 4051. Principles and practices of industrial processes involving microorganisms with emphasis on microbial biotechnology.

4051. Industrial Microbiology Laboratory (1). Co-req. BIOL 4050. Laboratory exercises on the principles and practices of industrial processes involving microorganisms with emphasis on microbial biotechnology.

4053. Industrial Microbiology (Combined) (4). Pr. BIOL 2010 and BIOL 2011 or BIOL 3010 and BIOL 3011. Lectures and laboratory exercises on the principles and practices of industrial processes involving microorganisms with emphasis on microbial biotechnology. Topics include screening and improvement of industrial microorganisms, fermentation media/equipment/systems, healthcare products (antibiotics, anti-tumor agents, alkaloids, steroids, vaccines etc.), alcoholic beverages, biofuel, single cell protein, probiotics, bio insecticides, microbial fertilizer, fermented foods, microbial mining, production of amino acids, bio catalysis, waste biotechnology and recombinant DNA technology. This course includes a required laboratory component.

4060. Environmental Microbiology (3). Pr. BIOL 2010 and BIOL 2011 or BIOL 3010 and BIOL 3011. Co-req. BIOL 4061. The roles of microorganisms in the environment including microbial diversity in earth environments, microbial ecology, biofilms and additional topics.

4061. Environmental Microbiology Laboratory (1). Co-req. BIOL 4060. Laboratory exercises on the roles of microorganisms in the environment including microbial diversity in earth environments, microbial ecology, biofilms and additional topics.

4063. Environmental Microbiology (Combined) (4). Pr. BIOL 2010 and BIOL 2011 or BIOL 3010 and BIOL 3011. A combined lecture and lab course that cover the roles of microorganisms in the environment. Specific study areas include microbial diversity in earth environments, microbial ecology, biofilms and microbial communication, water and food-borne pathogens and diseases, mycotoxins, water and sewage treatment, biogeochemical cycles, molecular methods, microorganisms and bioterrorism, indoor health microbiology, environmental sample collection and processing. This course includes a required laboratory component.

4070. Immunology (3). Pr. BIOL 2010 and BIOL 2020 or BIOL 3010 and BIOL 3011. Co-req. BIOL 4071. Topics include the molecules, cells, and organs involved in the immune response; genetic control of the immune response; the normal functions of the immune system; and immunopathology.

4071. Immunology Laboratory (1). Co-req. BIOL 4070. Laboratory topics include the molecules, cells, and organs involved in the immune response; genetic control of the immune response; the normal functions of the immune system; and immunopathology.

4080. Reading the Scientific Literature (3). Pr. BIOL 1010. The ability to locate, read, and interpret journal articles is essential to scientists as well as to individuals working in any field where scientific discovery helps determine policies and procedures. This course introduces students to the tools and techniques that will help them navigate the primary scientific literature. An emphasis will be placed on how to read and understand scientific information presented in this format.

4100. Developmental Biology (3). Pr. Min. grade of C in: BIOL 1020 and BIOL 1021 or BIOL 1027 and BIOL 1028, junior standing. Co-req. BIOL 4101. A consideration of descriptive and experimentally derived information on developmental events of various organisms, with emphasis on the mechanics by which organisms achieve an orderly progression of changes during their life cycles.

4101. Developmental Biology Laboratory (1). Co-req. BIOL 4100. The laboratory includes an introduction to both modern and classical approaches to development in a variety of organisms.

4110. Biological Anthropology (3). Human evolution, evolutionary theory, natural selection, genetics, hominid origins and ancestry, and archaeological methods for recovery and interpretation of the fossil record. Emphasis is placed on the concept of adaptive fitness and variation in diverse physical environments.

4150. Vertebrate Physiology (3). Pr. BIOL 2100 and min. grade C in ENGL 1010 or HONR 1757. Co-req. BIOL 4151. An in-depth investigation of the physiology of the major mammalian organ systems.

4151. Vertebrate Physiology Laboratory (1). Co-req. BIOL 4150. An in-depth laboratory investigation of the physiology of the major mammalian organ systems.

4183. Global Health Issues in South Africa (4). Pr. Accepted OTS students only. Integrates classroom & field instruction, introduces students to the fundamental principles of public health in South Africa. Focus on three major themes: primary health care in South Africa, the impact of HIV/Aids & the role of traditional healers.

4200. Ecology (3). Pr. Min. grade of C in BIOL 1020 and BIOL 1021 or BIOL 1027 and BIOL 1028 and min. grade C in ENGL 1010 or HONR 1757, Junior standing. Co-req. BIOL 4201. The dynamics of the environment, accenting the description of the physical, chemical, and biological properties of local ecosystems, giving special attention to integrative and homeostatic processes, energy flow, nutrient cycles, and disruptive phenomena.

4201. Ecology Laboratory (1). Co-req. BIOL 4200. Laboratory study of the environment, accenting the description of the physical, chemical, and biological properties of local ecosystems, giving special attention to integrative and homeostatic processes, energy flow, nutrient cycles, and disruptive phenomena.

4210. Population Ecology (3). Pr. BIOL 4200 and BIOL 4201 or BIOL 4203. A course in elementary mathematical ecology. Students will be introduced to many of the models and techniques needed to understand population dynamics. Problem solving and the use of computer models will be emphasized.

4220. Restoration Ecology (3). Pr. Min. grade of C in BIOL 1020 and BIOL 2021 or BIOL 1027 and BIOL 1028, Junior standing. Human disturbances associated with urbanization, energy development, climate change, poor land management, and pollution create the need to restore degraded ecosystems. This course aims to introduce students to concepts and applications in ecological restoration. We will develop critical thinking skills in the application of ecological principles to restoration. We will design a project proposal for a site in need of restoration on AUM campus.

4230. Environmental Pollution and Control (3). Pr. Min. grade of C in BIOL 1020 and BIOL 1021 or BIOL 1027 and BIOL 1028, Junior standing. Co-req. BIOL 4231. Introduction to environmental science focusing on detection, sources and treatment methods for water pollution, air pollution, noise pollution, solid waste and hazardous waste. Legal and regulatory background will also be presented.

4231. Environmental Pollution and Control Laboratory (1). Co-req. BIOL 4230. Field trips will be made and laboratory exercises will focus on characterizing water quality.

4240. Ecosystems (3). Pr. BIOL 4200 and BIOL 4201 or BIOL 4203. A continuation of the study of ecology, focusing on key concepts at higher levels of organization. Topics include fluxes of energy and matter, temporal and spatial patterns, problems of ecological scale, disturbance and succession.

4283. Introduction to Field Ethnobiology (4). Pr. Min. grade of C in BIOL 1010 and BIOL 1011 or BIOL 1017 and BIOL 1018. Co-req. BIOL 4383, BIOL 4932. Part of a semester study abroad in Costa Rica. Integrates scientific study of subsistence, medicinal, ceremonial, and esthetic use of plants and animals by human societies.

4340. Histology (3). Pr. Min. grade of C in BIOL 1020 and BIOL 1021 or BIOL 1027 and BIOL 1028, Junior standing. Co-req. BIOL 4341. A study of the morphology and classification of animal tissues as well as the arrangement of tissues in organs and systems in vertebrate animals.

4341. Histology Laboratory (1). Co-req. BIOL 4340. A laboratory study of the cells, tissues, and organs of vertebrate animals.

4350. Cell Biology (3). Pr. Min. grade of C in BIOL 1010 and BIOL 1011 or BIOL 1017 and BIOL 1018 and min. grade of C in CHEM 1200 and CHEM 1201. Co-req. BIOL 4351. A study of cell structure and function. The generalized cell, specialized cell, and the cell as an organism will be considered from the viewpoint of classical cytology and in terms of current biochemical, optical, and ultra-structural studies.

4351. Cell Biology Laboratory (1). Co-req. BIOL 4350. A laboratory study of cell structure and function.

4383. Field Research in Methods in Tropical Diseases (4). Accepted OTS students only. Part of a 15-week semester abroad program in Costa Rica. Integrates classroom and field instruction to introduce fundamental principles of tropical medicine and public health including the tropical environment and its related health issues.

4423. Fundamentals of Tropical Biology (4). Accepted OTS students only. Part of a semester abroad in Costa Rica. Conceptual themes in ecology, emphasizing tropical organisms and ecosystems. Topics range from behavioral and physiological adaptation of individuals to processes and patterns in diverse assemblages.

4443. South African Ecosystems and Diversity (4). Accepted OTS students only. Conceptual themes in ecology emphasizing savannas; also, consideration of fynbos, Highveld, podocarp forests, coastal and intertidal zones. Topics include climate and geology of South Africa, roles of fire, drought, human presence, invasive species, and herbivores in shaping ecosystems.

4500. Freshwater Biology (3). Pr. Min. grade of C in BIOL 1020 and BIOL 1021 or BIOL 1027 and BIOL 1028, and min. grade of D in BIOL 2030 and BIOL 2031. Co-req. BIOL 4501. A study of the taxonomy and environmental relationships of biota of freshwater habitats.

4501. Freshwater Biology Laboratory (1). Co-req. BIOL 4500. A laboratory study of the taxonomy and environmental relationships of biota of freshwater habitats.

4503. Freshwater Biology (Combined) (4). Pr. BIOL 1020 and BIOL 1021 or BIOL 2027 and BIOL 2018 and BIOL 2030 and BIOL 2031. A study of the taxonomy and environmental relationships of biota of freshwater habitats. This course includes a required laboratory component.

4510. Invertebrate Zoology (3). Pr. Min. grade of C in BIOL 1020 and BIOL 1021 or BIOL 1027 and BIOL 1028, and BIOL 2030 and BIOL 2031. Co-req. BIOL 4511. A taxonomic survey of all major invertebrate phyla with emphasis on major anatomical and physiological features and life histories.

4511. Invertebrate Zoology Laboratory (1). Co-req. BIOL 4510. A laboratory taxonomic survey of all major invertebrate phyla with emphasis on major anatomical and physiological features and life histories.

4513. Invertebrate Zoology (Combined) (4). Pr. BIOL 1020 and BIOL 1021 or BIOL 1027 and BIOL 1028; and BIOL 2030 and BIOL 2031. A taxonomic survey of all major invertebrate phyla with emphasis on major anatomical and physiological features and life histories. This course includes a required laboratory component.

4520. Wetlands (3). Pr. BIOL. 4200 and BIOL 4201. Co-req. BIOL 4521. An introduction to the role, value, distribution, variability, and structure of wetlands and to the legal and regulatory framework through which they are managed in the U.S. Emphasis is placed on biogeochemical processes unique to wetlands. Field trips will be made.

4521. Wetlands Laboratory (1). Co-req. BIOL 4520. Field trips will be made to re-enforce the introduction to the role, value, distribution, variability, and structure of wetlands and to the legal and regulatory framework through which they are managed in the U.S. Emphasis is placed on biogeochemical processes unique to wetlands.

4530. Conservation Biology (3). Pr. BIOL 4200 and BIOL 4201. Co-req. BIOL 4531. The application of ecological and genetic principles to conservation. Case studies include fisheries, habitat fragmentation, the use of corridors, rarity, extinctions, viability analysis, endangered species, and the role of models in conservation biology.

4531. Conservation Biology Laboratory (1). Co-req. BIOL 4530. The laboratory application of ecological and genetic principles to conservation. Case studies include fisheries, habitat fragmentation, the use of corridors, rarity, extinctions, viability analysis, endangered species, and the role of models in conservation biology.

4533. Conservation Biology (Combined) (4). Pr. BIOL 4200 and BIOL 4201. The application of ecological and genetic principles to conservation. Case studies include fisheries, habitat fragmentation, the use of corridors, rarity, extinctions, viability analysis, endangered species and the role of models in conservation biology. This course includes a required laboratory component.

4540. Field Botany (3). Pr. BIOL 2020 and BIOL 2021. Co-req. BIOL 4541. An introduction to the role, value, distribution, variability, and structure of wetlands and to the legal and regulatory framework through which they are managed in the U.S. Emphasis is placed on biogeochemical processes unique to wetlands. Field trips will be made.

4541. Field Botany Laboratory (1). Co-req. BIOL 4540. Field trips will be made to re-enforce the introduction to the role, value, distribution, variability, and structure of wetlands and to the legal and regulatory framework through which they are managed in the U.S. Emphasis is placed on biogeochemical processes unique to wetlands.

4543. Field Botany (Combined) (4). Pr. BIOL 2020 and BIOL 2021. An introduction to vascular plant taxonomy with emphasis on local vegetation. Weekly field trips will be made to different parts of the state and a plant collection will be required. This course includes a required laboratory component.

4550. General Entomology (3). Pr. Min. grade of C in BIOL 1020 and BIOL 1021 or BIOL 1027 and BIOL 1028, Junior standing. Co-req. BIOL 4551. This class will allow students to investigate insect structure, physiology, and ecology. Students will learn how insects interact with other insects, organisms and with their environment as a whole. Laboratory is required.

4551. General Entomology Laboratory (1). Co-req. BIOL 4550. This laboratory class supplements the instruction for General Entomology. Students will investigate insect structure, physiology, and classification. Lecture is required.

4560. General Parasitology (3). Pr. C or better in BIOL 1020 and BIOL 1021 or BIOL 1027 and BIOL 1028, Junior standing. Co-req. BIOL 4561. This course focuses on providing students with an understanding of the taxonomy, life cycles, ecology and evolution of parasitic organisms. Students will learn representative examples from local ecosystems as well as parasitic diseases of man. Lab required.

4561. General Parasitology Laboratory (1). Co-req. BIOL 4560. This course focuses on providing students with an understanding of the taxonomy and life cycles of parasitic organisms. Students will learn representative examples from local ecosystems. Lecture required.

4570. Animal Behavior (3). Pr. Min. grade of C in BIOL 1020 and BIOL 1021 or Min. grade of C in BIOL 1027 and BIOL 1028 or BIOL 2030 and BIOL 2031. Co-req. BIOL 4571. This course broadly exposes students to evolutionary and ecological processes that promote the vast diversity of behaviors found on our planet. A strong emphasis on natural selection and the adaptiveness of behaviors pervades the course.

4571. Animal Behavior Laboratory (1). Co-req. BIOL 4570. This laboratory broadly exposes students to quantitative measures of behavior. A strong emphasis on natural selection and the adaptiveness of behaviors pervades the course.

4580. Ichthyology (3). Pr. Min. grade of C in BIOL 1020 and BIOL 1021 or Min. grade of C in BIOL 1027 and BIOL 1028 or BIOL 2030 and BIOL 2031. Co-req. BIOL 4581. Ichthyology is the study of the biology of fishes. This course will cover morphology, physiology, development, behavior, evolution, and ecology of fishes. The material will cover fishes from throughout the world, both marine and freshwater, but will emphasize the freshwater fishes of Alabama.

4581. Ichthyology Laboratory (1). Co-req. BIOL 4580. Ichthyology Lab is a mixture of field work to examine the fishes of Alabama focusing on species in the central region as well as laboratory work emphasizing basic structure and function of fishes. Lab will serve as a vehicle to give you some experience in working on lentic and lotic species.

4600. Molecular Genetics (3). Pr. Min. grade of C in BIOL 2010 and BIOL 2011 or BIOL 3010 and BIOL 3011 and min. grade of C in BIOL 3300 and BIOL 3301 and min. grade of C in ENGL 1010 or HONR 1757 or permission of instructor. Co-req. BIOL 4601. Topics include the fundamentals of DNA structure, replication, mutation and repair, gene expression; recombinant DNA techniques; and applications of biotechnology in medicine, agriculture, and industry.

4601. Molecular Genetics Laboratory (1). Co-req. BIOL 4600. Laboratory topics include the techniques used in molecular genetics and biotechnology.

4603. Molecular Genetics (Combined) (4). Pr. BIOL 3300 and BIOL 3301 and min. grade of C or better ENGL 1010 or HONR 1757. Topics include the fundamentals of DNA structure, replication, mutation and repair, gene expression; recombinant DNA techniques; and applications of biotechnology in medicine, agriculture and industry. This course includes a required laboratory component.

4660. Field Zoology (3). Pr. Min. grade of C in BIOL 1020 and BIOL 1021 or BIOL 1027 and BIOL 1028. Co-req. BIOL 4661. A study of the natural history of vertebrates (fishes, amphibians, reptiles, birds, and mammals), concentrating on phylogeny, adaptations, ecology, and behavior.

4661. Field Zoology Laboratory (1). Co-req. BIOL 4660. Laboratory exercises will be oriented toward learning field techniques and familiarizing students with the local fauna.

4663. Field Zoology (Combined) (4). Pr. Min. grade of C in BIOL 1020 and BIOL 1021 or BIOL 1027 and BIOL 1028 or departmental approval. A study of the natural history of vertebrates (fishes, amphibians, reptiles, birds and mammals), concentrating on phylogeny, adaptations, ecology and behavior. Laboratory exercises will be oriented toward learning field techniques and familiarizing students with the local fauna. This course includes a required laboratory component.

4700. Writing for Biology (1). Pr. Min. grade of C in ENGL 1010 or HONR 1757. Senior Standing. This course emphasizes the written communication skills necessary for success as a biologist, including formal research papers, analysis of scientific literature, poster presentation and oral presentations. This is a writing intensive course.

4750. Endocrinology (3). Pr. Min. grade of C in BIOL 1020 and BIOL 1021 or BIOL 1027, BIOL 1028. Co-req. BIOL 4751. A study of the endocrine glands and their hormones as integrators of body functions in organisms, especially vertebrates.

4751. Endocrinology Laboratory (1). Co-req. BIOL 4750. Laboratory study of the endocrine glands and their hormones.

4753. Endocrinology (Combined) (4). Pr. BIOL 1020 and BIOL1021 or BIOL 1027 and BIOL1028. A study of the endocrine glands and their hormones as integrators of body functions in organisms, especially vertebrates. This course includes a required laboratory component.

4760. Evolutionary Biology (3). Pr. Min grade of C in BIOL 3300 and BIOL 3301 or BIOL 4200 and BIOL 4201, Junior standing. A study of evolutionary concepts, including population genetics, variability, dispersal, gene frequencies, natural selection and speciation.

4763. Evolutionary Biology with Lab (4). Pr. Min. grade of C in BIOL 3300 and BIOL 3301 or BIOL 4200 and BIOL 4201, Junior standing. A study of evolutionary concepts, including population genetics, variability, dispersal, gene frequencies, natural selection, and speciation. This course includes a laboratory.

4800. Perspectives in Biology I (3). Pr. Min. grade of C in BIOL 1010 and BIOL 1011 or BIOL 1017 and BIOL 1018 AND BIOL 1020 and BIOL 2021 or BIOL 1027 and BIOL 1028, Junior standing. Allows the student to study a current topic not offered in the basic biology curriculum. Topics will vary and times offered will be irregular. May be taken two times for credit as topics vary.

4801. Perspectives in Biology I Laboratory (1). Pr. Min. grade of C in BIOL 1010 and BIOL 1011 or BIOL 1017 and BIOL 1018. Laboratory component that may accompany BIOL 4800. Allows students to study a current topic not offered in the basic biology curriculum. Topics will vary and times offered will be irregular. May be taken two times for credit as topics vary.

4803. Perspectives in Biology II (4). Pr. BIOL 1010 and BIOL 1011 or BIOL 1017 and BIOL 1018. Allows students to study a current topic not offered in the basic biology curriculum. Topics will vary and times offered will be irregular. This course includes a required laboratory component.

4914. Mentor in Medicine (2). Pr. sophomore standing, permission of pre-med adviser. A formal course for pre-medical students requiring time to be spent with a physician on rounds. Requires six hours per week contact. May be repeated, but only two hours may be applied to graduation requirements.

4922. Biology Internship (3). Pr. availability, junior standing, departmental approval. Internship allows students to experience biology applications in the workplace for elective credit. Students will have both a faculty sponsor and a preceptor at the work site. Graded as satisfactory or unsatisfactory.

4924. Internship in Beer or Wine Making (3). Pr. Min. grade of C in both BIOL 4040 and BIOL 4041. Internship allows students to experience beer and wine making in the workplace. Students will have both a faculty sponsor and a preceptor at the work site. Grade is satisfactory or unsatisfactory.

4932. Directed Research (1-4). Pr. 20 hrs. BIOL, 3.0 GPA, Co-req. BIOL 4283, BIOL 4383, BIOL 4413, BIOL 4423, BIOL 44433, and BIOL 4443. Departmental approval. Undergraduate biology majors conduct research under the supervision of biology faculty. Faculty must agree to sponsor the research for 1-4 hours elective credit.

4942. Directed Field Experience (1-4). Pr. BIOL 1010 and BIOL 1011 or BIOL 1017 and BIOL 1018 or equivalent. This course is a faculty-supervised study or research experience beyond the Auburn Montgomery campus for elective credit. This includes, but is not limited to, study abroad. You must be classified as a Junior or Senior to enroll in 4942.

4952. Capstone Biology (3). Pr. senior standing and ENGL 1010 or HONR 1757 C or better. An exit course required for graduating seniors. Students participate in activities that assist with their transition from receiving a B.S. degree to entering the job market, graduate school, or professional school. Students will participate in activities designed to improve their technical writing and presentation skills.

4970. Special Topics. (1-4). Pr. Junior standing. Instruction and discussion on a selected topic in Biological Sciences. The course may be offered for 1-4 hours of elective credit.

5250 Epidemiology (3). Pr. BIOL 2010 and BIOL 2011 or BIOL 3010 and BIOL 3011. An introduction to the techniques used in studying the transmission, incidence and frequency of disease occurrence in populations.

5300 Genetics (3). Pr. Min. grade of C in BIOL 1010 and BIOL 1011 and CHEM 1020 and CHEM 2021. The study of basic principles, concepts and problems relative to gene inheritance in animals and plants. The course includes topics that cover both classical and modern genetics. This course may be taught concurrently with BIOL 3300.

5400 Principles of Toxicology (3). Pr. BIOL 1020 and CHEM 1020. Covers toxicology, the study of poisons. Topics will include molecular and cellular sites of action of toxicants, carcinogenesis, teratology, effects of toxicants on the nervous system, cardiovascular system, respiratory system, and other organ systems, and ecosystem-level effects.

Business (BUSN)

3000. Ethical Leadership Development (1). Pr. Junior standing. This class will enable students to demonstrate leadership skills while incorporating key competencies (e.g., ethical decision making, critical thinking skills, and diversity/global competencies as well as practicing oral communication skills) in a simulated environment.

3060. Business Communication (3). Pr. Min. grade of C in both ENGL 1010 and ENGL1020. This course will provide students with the tools necessary to effectively communicate in a business environment. Oral and written communication skills will be emphasized along with interpersonal communication skills and professional development. This is a writing intensive class and will be the introductory class to the integrated core business curriculum.

3100. Enterprise Resource Planning & Business Process Management (3). Pr. Min. grade of C in INFO 3070. This course introduces core concepts of Business Processes and application of Enterprise Resource Planning within organizations. Students will learn how to design, implement, and manage business processes using an ERP solution. Case studies and projects will be required to reinforce student's learnings.

4800. Strategic Management (3). Pr. Min. grade of C in: ACCT 2020, ECON 2020, INFO 2050, QMTD 2750, MNGT 2410, BUSN 3000, INFO 3070, FINA 3610, MKTG 3310, MNGT 3380, QMTD 3600, MATH 1050 or MATH 1120 or MATH 1150 or MATH 1610. This capstone course integrates the knowledge gained in the core business curriculum. Students will hone the ability to think about how an organization can gain sustainable competitive advantage by crafting integrated business strategy.

4970. Special Problems/Special Topics (3). Pr. Department head approval. Instruction, discussion, and experiential learning opportunities of selected business topics. May be repeated up to 6 hours.

4990. Research in Business (3). Pr. Min. grade of C in QMTD 2750 and BUSN 3060. Min. GPA of 3.2. In this course students will complete a research project related to a business topic, including question formation, hypothesis, development, experimental design, data collection and analysis, and reporting. The course culminates in a formal written report and poster presentation of the research.

5100. Business and Administrative Communication (3). Topics include the building blocks of effective messages, the communication process, basic business messages, the job hunt, proposals, and reports.

5120. Managing Human Resources for Competitive Advantage (3). Pr. MNGT 2000 or MNGT 3380. Managing human resources strategically to facilitate business strategy formulas, implementation and achievement of organizational objectives. Analyzes human resource management from the perspective of the general manager.

Chemistry (CHEM)

0006. Chemistry Boot Camp (0). The Chemistry Boot Camp prepares students for taking freshman Chemistry courses and introduces them to the many resources, organizations, and programs available to AUM. This week long program provides information and hands-on experiences to help students understand lab experiments before the beginning of the chemistry curricula. The camp also includes learning how to use the AUM Library for doing scientific literature searches. This Boot Camp is jointly run with Biology.

1000. Fundamentals of Chemistry (3). An introduction to the fundamental concepts of chemistry for students who have a weak background in science but are required to take General Chemistry I (CHEM 1100). Includes basic chemical principles and related science topics, chemical problem solving and data handling.

1100. General Chemistry I (3). Pr. Min. grade of D in PSCI 1500 or (Min. grade of C# in MATH 0800 or MATH 0803 or MATH 0902) or Min. Grade of D in MATH 1050 or MATH 1100, or MATH 1120, or MATH 1150 or MATH 1610 or ACT Math Min. Test Score: 20, or SAT Math Min. Test Score: 480 or MATH SECTION SCORE Min. Test Score: 480, or ALEKS 41 or better, or min. grade of C in MATH 0902, or min. grade of D in MATH 1050. Co-req. CHEM 1101. A detailed study of atomic theory, chemical bonding, states of matter, solutions and acid-base theory.

1101. General Chemistry I Laboratory (1). Co-req. CHEM 1100. Experiments to accompany lecture topics in CHEM 1100.

1200. General Chemistry II (3). Pr. CHEM 1100 and CHEM 1101; Co-req., CHEM 1201. A detailed study of kinetics, equilibria and thermodynamics. Introductions to organic chemistry and nuclear chemistry included.

1201. General Chemistry II Laboratory (1). Co-req. CHEM 1200. Experiments to accompany lecture topics in CHEM 1200.

2103. Quantitative Analysis (4). Pr. CHEM 1200 and CHEM 1201. A study of quantitative methods of chemical analysis. Laboratory exercises include volumetric, gravimetric and spectrophotometric procedures. (Laboratory and lecture cannot be separated.)

2300. Survey of Organic Chemistry (3). Pr. CHEM 1200 and CHEM 1201. A descriptive course in applied organic chemistry with applications in the general, environmental and health sciences and the chemical industry.

2301. Survey of Organic Chemistry Laboratory (1). Pr. CHEM 1200 and CHEM 1201. Co-req. CHEM 2300. Experiments to accompany lecture topics in CHEM 2300. Provides an optional laboratory experience for CHEM 2300.

3100. Organic Chemistry I (3). Pr. CHEM 1200 and CHEM 1201; Co-req. CHEM 3101. A systematic study of the physical and chemical natures of organic compounds. Includes hydrocarbon chemistry, simple functional groups and spectroscopy.

3101. Organic Chemistry I Laboratory (1). Co-req. CHEM 3100. Experiments to accompany lecture topics in CHEM 3100.

3200. Organic Chemistry II (3). Pr. CHEM 3100 and CHEM 3101; Co-req., CHEM 3201. A continuation of CHEM 3100. A study of the major functional groups, poly-functional molecules and other selected topics.

3201. Organic Chemistry II Laboratory (1). Co-req. CHEM 3200. Experiments to accompany lecture topics in CHEM 3200.

3300. Biochemistry (3). Pr. CHEM 2300 or CHEM 3100. Co-req. CHEM 3301. A standard biochemistry course for students in the health and physical sciences. Emphasis on the major biomolecules and basic metabolism.

3301. Biochemistry Laboratory (1). Co-req. CHEM 3300. Experiments to accompany lecture topics in CHEM 3300. Provides an optional laboratory experience for CHEM 3300.

3400. Inorganic Chemistry (3). Pr. CHEM 3100 and CHEM 3101. Co-req. CHEM 3401. A study of inorganic chemistry including structure, bonding, periodicity, and classification of the elements and their compounds. Additional topics selected from: group theory, coordination chemistry, crystal field, and ligand field theory, structure determination methods and bioinorganic chemistry.

3401. Inorganic Chemistry Laboratory (1) Co-req. CHEM 3400. Experiments to accompany lecture topics in CHEM 3400 and which illustrate the preparation, purification, and characterization of inorganic compounds.

3500. Environmental Chemistry (3). Pr. CHEM 3100 and CHEM 3101. Co-req. CHEM 3501. An introduction to Environmental Chemistry, including the chemistry of natural and anthropogenic substances, both organic and inorganic, in the atmosphere, hydrosphere and lithosphere.

3501. Environmental Chemistry Lab (1). Co-req. CHEM 3500. Experiments to accompany topics in CHEM 3500.

4100. Physical Chemistry I—Thermodynamics (3). Pr. CHEM 1200 and CHEM 1201 and MATH 1610; Co-req. CHEM 4101. Theoretical foundations of chemistry: a study of thermodynamics. Topics include thermodynamic laws, equilibrium and electrochemistry.

4101. Physical Chemistry I Laboratory (1). Co-req. CHEM 4100. Experiments to accompany lecture topics in CHEM 4100.

4200. Physical Chemistry II—Quantum Chemistry and Spectroscopy (3). Pr. CHEM 3100 and CHEM 3101. Co-req. CHEM 4201. Theoretical foundations of chemistry: a study of quantum mechanics, kinetics and spectroscopy.

4201. Physical Chemistry II Laboratory (1). Co-req. CHEM 4200. Experiments to accompany lecture topics in CHEM 4200.

4303. Instrumental Analysis (4). Pr. CHEM 2103 or (CHEM 3100 and CHEM 3101). Emphasis on the principles and applications of instrumental methods to structure determination, chemical behavior and analysis. (Laboratory and lecture cannot be separated.)

4980. Research in Chemistry (1-4). Pr. departmental approval. Directed studies in chemistry. May be repeated for up to 8 hours credit.

Childhood Education (ECEL)

4453. Professional Development Seminar (3). Pr. Admission to professional internship. Co-req. ECEL 4924. Students pursue study of special topics relevant to childhood education.

4924. Professional Internship in Childhood Education (9). Pr. Admission to professional internship, departmental approval. Co-req. ECEL 4453. Students are placed in public school settings for supervised teaching experiences.

4973. Special Topics in Childhood Education (1-3). Pr. Admission to professional internship. This course provides a flexible curriculum of childhood education topics of interest. It is designed to meet the needs of individual teachers for content and pedagogy related to the elementary curriculum with an emphasis on study abroad/international studies when available.

4982. Bachelor's Comprehensive Examination (0). Pr. Departmental approval. Comprehensive examination covering material from professional courses.

Chinese (CHIN)

1010. Elementary Mandarin Chinese I (4). Basic skills of reading, writing, speaking and listening in Mandarin Chinese. Along with CHIN 1020, this course will fulfill the School of Liberal Arts foreign language requirement. Multimedia computer lab required.

1020. Elementary Mandarin Chinese II (4). Pr. CHIN 1010. Basic skills of reading, writing, speaking and listening in Mandarin Chinese.

2010. Intermediate Chinese I (4). Pr. CHIN 1020. Continuing development of speaking, reading, writing, listening and cultural proficiencies in Mandarin Chinese.

2020. Intermediate Chinese II (4). Pr. CHIN 2010. Continuing development of speaking, reading, writing, listening and cultural proficiencies in Mandarin Chinese.

3010. Chinese Phonetics (3). Pr. CHIN 2020. Techniques of oral expression to develop greater fluency and accuracy, based on topics in contemporary civilization.

3030. Chinese Conversation (3). Pr. CHIN 2020. This course offers continued training in understanding and speaking Chinese at an advanced intermediate level. Its aim is to help students express their ideas about cultural and social matters in Chinese.

3040. Chinese Composition and Style (3). Pr. CHIN 2020 or equivalent. A study of advanced syntax through reading and composition exercises in various modern Chinese writing styles. Readings include essays of well-known Chinese writers such as Hu Shi, Zhu Ziqing, Bing Xin, Ai Wu, and Wang Wenxing. For non-native speakers of Chinese only.

3100. Intro to Classical Chinese (3). Pr. CHIN 3040 or permission of the instructor. Classical Chinese is the language of the bulk of the Chinese textual tradition from early historical and philosophical writings down to the early twentieth century, introducing the basic structures and vocabulary of that language.

3310. Chinese for Business (3). Pr. CHIN 3040 or equivalent. Development of advanced skills in reading materials related to Chinese business.

4100. Chinese Masterpieces (3). Pr. CHIN 3040 or equivalent. This course covers a variety of modern Chinese literary genres including essays, short stories, biographies, and criticisms. Emphasis on reading comprehension and expansion of vocabulary. Class discussions are on some substantive issues related to the reading.

4120. Topics in Current Affairs (3). Pr. CHIN 3040 or equivalent. Readings of current events from Chinese newspapers and periodicals published in mainland China, Taiwan, and the U.S. Emphasis is on the development of ability to read newspaper articles on different subjects and the analysis of sentence structures.

Communication (COMM)

1010. Introduction to Human Communication (3). An introduction to the basic concepts involved in the study of speech communication and the application of these concepts through performance in various contexts, such as interpersonal, small group and public address.

1017. Introduction to Human Communication, Honors (3). Admission to Honors Program or permission of instructor. Enhanced version of COMM 1010.

2100. Media and Culture. (3). A critical examination of the purposes, functions and effects of the mass media on individuals, institutions, culture and social structure.

2120. Film Appreciation (3). Introduction to film form, aesthetics, and criticism through engagement with historic, classic, and modern films, both domestic and foreign, cultivating a critical understanding and appreciation of film from a variety of perspectives. Same as THEA 2120.

2130. Small Group Communication (3). Theory and practice of competent communication in task-oriented small group or team settings. Topics include leadership, roles, decision making, problem solving, and conflict management.

2212. Public Speaking (3). Structure, style and delivery of various types of speeches for different occasions. Theory and study of current examples combined with practice.

2250. Introduction to Political Communication (3). An analysis of the role of communication in the political arena, political campaigning, political office-holding and lobbying.

2300. Special Topics in Communication I (3). Exploration of a theme from any area of communication. Special Topics in Communication (COMM 2300, 3300, and/or 4300) may be repeated for a total of 9 semester hours, provided a different topic is selected each time.

2703. Media Writing I (3). Pr. ENGL 1020. An introduction to basic writing skills in the mass media.

2743. Media Writing II (3). Pr. COMM 2703 Introduction to print and electronic information gathering. Writing and editing practice.

2763. Digital Audio Production (3). Pr. COMM 2743. Introduction to basic broadcast production (radio). Stresses familiarity with audio production equipment; using the equipment as a vehicle for broadcast entertainment, news and public affairs programming.

2773. Video Production I (3). Course is an introduction to the terminology, theory and practice of small video and multimedia production techniques. Focus on developing proficiency in planning, shooting, and editing short video projects.

2783. Multimedia Journalism (3). Pr. COMM 2773. An introduction to the principles and practice of multimedia journalism. Students will learn the terminology and practical skills needed to create audio, visual, and digital news for broadcast and multimedia platforms.

2793. Advanced Media Writing (3). Pr. Min. grade of C in COMM 2743. Advanced print and electronic media news gathering, reporting practice and methods and news editing. May be repeated for a total of 6 semester hours, provided a different theme is selected each time.

2800. Public Relations I (3). Pr. Min. grade of C in ENGL 1020 or HONR 1857, and COMM 2100. Principles and practice of publicity and public relations programs and planning. Case studies.

2843. Writing for Public Relations (3). Pr. COMM 2703. Forms and styles of public relations writing, stressing essential skills of written communication needed in public relations.

2914. Journalism Practicum (1-3). Pr. COMM 2703. Practical work experience on the student newspaper or other publications as approved by instructor.

3000. Intercultural Communication (3). An interdisciplinary course that focuses on cultural differences that influence attitudes, assumptions and behavior, especially as they affect intercultural communications.

3003. Oral Interpretation (3). Pr. COMM 1010 or min. grade of C in ENGL 1020. Basic techniques and application of oral interpretation in reading prose, poetry and drama. (Same as THEA 3003.)

- 3010. Opinion Writing (3). Pr. COMM 2743.** This course fosters the skills and cultivates the critical thinking needed for writing persuasive, reasoned, evidence-supported arguments aimed at and accessible to a general public.
- 3020. Visual Communication (3).** Students examine and create visual messages in a variety of contexts. Emphasis is on understanding the power of images in the sharing of messages.
- 3120. Interpersonal Communication (3).** A study of the communication process in various interpersonal contexts. Designed to improve communication skills in naturally occurring dyads and groups as well as in more structured settings such as business. Considers problems of conflict management.
- 3130. Sports Communication (3). Pr. COMM 2100.** Examination of sports communication theory, social and legal issues, and industry practices with an emphasis on strategic sports communication.
- 3203. Introduction to Sign Language (3).** Introduction to manual communication used by the deaf. Includes alphabet, signs (emphasis on signed English) and understanding of the world of the deaf. Recommended for students in health care fields, justice and public safety, social work and other areas involving public contact.
- 3210. Horror Film (3). Pr. COMM 2100 or COMM 2120.** Exploration of the American horror film genre from historical, socio-cultural, and critical perspectives.
- 3220. Italian Cinema (3).** An introduction to Italian cinema from 1940s to today that examines film from social, historical, stylistic, and generic perspectives. Hollywood classic cinema also serves as a critical context.
- 3300. Special Topics in Communication II (3).** Exploration of a theme from any area of communication. Special Topics in Communication (COMM 2300, 3300, and/or 4300) may be repeated for a total of 9-semester hours, provided a different theme is selected each time.
- 3310. Speech Writing (3). Pr. COMM 1010 or COMM 2212.** Focused on preparing oral messages for someone else to deliver. Concerned with organization, writing, editing and revision of manuscripts.
- 3350. Communication and Gender (3).** Study of the theoretical relationships between communication and the formation and enactment of sex roles as well as sex differences in communication and implications of those differences.
- 3710. Media History (3). Pr. COMM 2100.** A study of the American media, its development and influence on society from 17th-century England to the present.
- 3722. Feature Writing (3). Pr. COMM 2703 or min. grade of C in ENGL 1020.** Applied craft and techniques of feature stories and narrative journalism in popular media.
- 3750. Social Media (3). Pr. COMM 2100.** This course explores various aspects of social media, including the history, characteristics, communication plans, and management of social media, based on the interaction with interpersonal and strategic communication.
- 3753. Advertising Media (3). Pr. COMM 2100 or permission of instructor.** Evaluation of media as vehicles for advertising messages in terms of cost, production capability, audience reach and selectivity and other factors.
- 3763. Video Production II (3). Pr. COMM 2773.** Provides practical application of both remote and studio principles acquired in COMM 2773.
- 3810. Public Relations II (3). Pr. COMM 2800 and COMM 2843.** Case study work on public relations problems for the university and the community.

- 3813. Editing and Design (3). Pr. COMM 2703.** Techniques and practices in planning and producing in-house publications for journalism, public relations, and newsletters.
- 3820. Media Law and Ethics (3). Pr. COMM 2100.** Origins and background of laws governing the mass media; consideration of ethical problems of the media.
- 3830. Public Opinion and Propaganda (3). Pr. junior or senior standing.** A study of public opinion in relation to social control and collective behavior. Special attention is given to the mass media, the public opinion process and propaganda agencies and techniques.
- 3853. Advertising Copywriting (3). Pr. Min. grade of C in ENGL 1020.** Introduction to and practice with forms and styles of writing in advertising, tailoring formats to those used in newspaper, magazine, television, radio and other media.
- 3900. The Documentary Film (3). Pr. Min. grade of C in ENGL 1020 or HONR 1857.** A study of the process of communication and persuasion through film and television. Stresses viewing, analyzing and discussing key documentaries.
- 3914 Media Practicum (3). Pr. COMM 2773 or COMM 3760.** Practical work experience in audio/video news production for campus student news.
- 4030. Communication Theory (3). Pr. COMM 1010 or COMM 2100.** Major theoretical approaches to and issues in the study of human communication. Various psychological and sociological conceptualizations of the communication process covered, ranging from mechanistic to interpretive positions.
- 4110. Theories of Persuasion (3). Pr. COMM 1010 and COMM 2100.** Major social and psychological approaches to the study of attitudes and attitude change. Includes the study and analysis of theory and focuses on the persuasive campaign in various contexts.
- 4130. Media Research Methods (3). Pr. COMM 2100.** A survey of media research principles and practices applicable to media professions and academic research.
- 4300. Special Topics in Communication III (3).** Exploration of a theme from any area of communication. Special Topics in Communication (COMM 2300, 3300, and/or 4300) may be repeated for a total of 9 semester hours, provided a different topic is selected each time.
- 4720. Critical Issues in Media (3). Pr. Minimum grade of C in both COMM 2100 and ENGL 1010 or HONR 1757.** Critical assessment of and engagement with contemporary media problems and developments.
- 4733. Topics in Media Production (3). Pr. COMM 3760.** Advanced media production topics in video, audio, and multimedia. May be repeated provided a different theme is selected each time.
- 4770. Broadcast Media Management (3). Pr. COMM 2100.** Examination of the organization, practice, and functions of managing broadcast media enterprises.
- 4830. Strategic Promotion Campaign (3).** A team-based applied course designed to develop promotional campaigns, including advertising, for local organizations. Focus is on linking advertising agencies, account development and creative execution elements across the marketing promotion mix. Same as MKTG 4830.
- 4900. Independent Study in Communication (1-3). Pr. junior standing and permission of instructor and department head.** Special research problem or project in communication, developed through approved activities under the direction of the instructor. May be repeated with different topics.
- 4924. Media Internship (3-6). Pr. junior standing and permission of internship coordinator.** Independent internship with a communication professional. Must submit an application for the internship and must meet the qualifications.

Communication Disorders (CMDS)

3400. The Speech and Hearing Mechanism (3). Pr. Admission to program. Anatomy and physiology of the speech and hearing mechanism.

3500. Introduction to Speech Pathology and Audiology (3). Basic study of speech pathology and audiology, speech and language processes and development disorders, speech and clinical practice in speech pathology. Includes introduction to audiology, bases of sound and the hearing mechanism, hearing disorders and clinical practice in audiology.

4410. Phonetics (3). Pr. Admission to program. Basic study of the sound system of the English language. Includes principles of sound production, phonetic transcription and the acoustical basis of phonetics.

4500. Methods and Procedures in Speech-Language Pathology (3). Pr. Admission to program. Orientation to a variety of service delivery models in speech pathology, methods in designing programs to meet individual client needs in diverse settings, implementation procedures for management techniques and documentation procedures.

4510. Articulation and Phonological Development and Disorders (3). Pr. CMDS 4410 and admission to program. The developmental aspects of articulation and phonology, including assessment and treatment procedures.

4520. Voice Disorders and Craniofacial Anomalies (3). Pr. CMDS 3400, CMDS 3500 and CMDS 4410, and admission to program. Introduction to voice and craniofacial anomalies and the assessment and treatment of these disorders.

4530. Language Development (3). Pr. Admission to program. Models of language development with emphasis on cognitive-linguistic-pragmatic aspects, along with theories of language acquisition and language development from birth to adolescence.

4560. Speech and Hearing Science (3). Pr. Admission to program. Introduction to the normal aspects of speech, language and hearing, including physiological aspects of speech, acoustics of speech sounds, speech perception, research tools and evolutionary aspects of language and speech.

4570. Neurophysiological Aspects of Communication Disorders (3). Pr. Admission to program. Introduction to anatomy and physiology of the brain and nervous system. Relationship between neuroscience and communication disorders and hearing.

4580. Fluency Disorders (3). Pr. Admission to program. The nature and treatment of the disorders of fluency.

4590. Diagnosis and Clinical Management in Speech-Language Pathology. (3). Pr. CMDS 3500 and admission to program. Evaluation and clinical management of speech-language disorders with emphasis on assessment techniques and therapeutic principles and processes.

4600. Introduction to Audiology and Hearing Disorders (3). Co-req. CMDS 4601 and admission to the program. Principles of auditory reception, the hearing mechanism and the problems involved in measuring, evaluating and conserving hearing. Types and causes of auditory disorders and basic principles of special auditory tests for site of lesion.

4601. Clinical Practicum I in Audiology (1). Co-req. CMDS 4600, admission to the program. Orientation and introduction to supervised clinical management of hearing disorders. Hands-on learning exercises in clinical management of hearing disorders.

4610. Writing in Speech Pathology and Audiology (3). Pr. CMDS 4600 and admission to program. Advanced writing strategies in the fields of communication science disorders to include report writing in the areas of assessment and treatment and business and professional documentation.

4620. Aural Rehabilitation, Habilitation and Hearing Conservation (3). Pr. CMDS 4600 and admission to program. Co-req. CMDS 4621. Rehabilitation of aurally handicapped children and adults, with emphasis on auditory training, speech reading and hearing aids.

4621. Clinical Practicum II in Audiology (1). Pr. COMM 4601. Co-req. CMDS 4620 and admission to the program. Introduction to and participation in supervised clinical management of audiometric services. Hands-on learning exercises in clinical management of hearing disorders.

4630. Advanced Practices in Audiology (3). Pr. CMDS 4600 and CMDS 4620 and admission to program. Advanced principles of auditory reception, the hearing mechanism, and the problems involved in measuring, evaluating, and conserving hearing. Site of lesion testing and advanced hearingaid technologies will be discussed.

4640. Language and Cognitive Disorders Across the Lifespan (3). Pr. CMDS 4530 and CMDS 4570. Congenital and acquired disorders of language and cognition in relation to normal development and approaches to therapeutic management of both language and cognitive deficits.

4650. Dysphagia (3). Pr. CMDS 4570. Normal processes of mastication and swallowing to include both the anatomy and physiology of the oral motor and hyolaryngeal mechanisms, along with various problems which may occur at each state. Assessment of the swallow and remediation techniques to be discussed.

4903. Independent Study in Speech-Language Pathology or Audiology (1-3). Pr. Admission to program. Special research or project in speech-language pathology and audiology developed through approved activities under the direction of the instructor. This course may be repeated for a maximum of 6 credit hours.

4911. Observations in Speech (1). Pr. Admission to program. Orientation and introduction to supervised clinical management of speech and language disorders. Hands-on learning exercises in clinical management of hearing disorders.

4914. Clinical Procedures in Speech (2). Pr. Admission to program and must have registered and submitted a class and work schedule 10 working days prior to the beginning of the term. Introduction to and participation in supervised clinical management of speech and language disorders. Must take course three times.

Computer Science (CSCI)

1000. Survey of Computer Applications (3). Introduction and survey of computer applications such as text editing, spreadsheets, software applications, communications, cybersecurity, hands-on laboratory sessions, etc. No prior knowledge of computer is assumed.

1050. Fundamentals of Computing (3). Foundations and fundamental skills for computing including blind typing (touch typing), ethics for computer science, top-down and divide-and-conquer design philosophy, recursion, control structures, subroutines, effective programming style, etc.

1110. Introduction to Programming (3). Pr. CSCI 1050; Co-req. CSCI 1111. Introduction to Programming with Python for students with no programming experience. Students will practice how to program in Python and how to use computational techniques to solve problems. Topics include Python syntax, data types, control flow, algorithms, simulation techniques, and use of software libraries.

1111. Introduction to Programming Lab (1). Pr. CSCI 1050; Co-req. CSCI 1110. Introduction to Programming with Python Lab is for students with little to no programming experience. Students will practice how to program in Python and how to use computational techniques to solve problems. Topics include Python syntax, data types, control flow, algorithms, simulation techniques, and use of Python software libraries.

1300. Computing Tools (3). Pr. MATH 1610. Survey of main computer-based tools useful for mathematical computation and analysis of scientific data. Includes hands-on sessions on basic methods of symbolic and numerical computations, data processing, and visualization. It uses computer algebra systems similar to Mathematica and Maple.

2000. Functional and Structural Programming (3). Pr. CSCI 1110. Co-req., CSCI 2001. Functional programming methodology and problem-solving techniques with general purpose modern C++ programming language. Including Variable, Flow of Control, Numeric Processing, Decision Making, Relational Operators, Procedures, Logical Operators, Conditional Operators, Switch Statement, Arithmetic Expressions, Loops, Unary Operators, Compound Assignment Operators, Compound Assignment Operators, Functions, I/O Stream, File Operations, String, Vectors, Reference, Variables, Recursions.

2001. Functional and Structural Programming Lab (1). Pr. CSCI 1110 and CSCI 1111. Co-req. CSCI 2000. Functional programming methodology and problem-solving techniques lab with general purpose modern C++ programming language. Lab practices include Variable, Flow of Control, Numeric Processing, Pointers, Static and dynamic Data Structures, Procedures, Functions, I/O Stream, File Operations, Built-in Arrays, Multidimensional Arrays, String, C-Strings, Vector, Memory, and Recursions.

2200. Discrete Structures (3). Pr. CSCI 1050 or CSCI 1110. Introducing the theoretical foundations of computer science with the concepts of formal logic, proof techniques, recurrence relations, sets, combinatorics, matrices, graph & tree algorithms, and digital number systems. Prior to this class, students are expected to have basic knowledge on programming.

3000. Object Oriented Programming with C++ (3). Pr. CSCI 2000 and CSCI 2001. Co-req. CSCI 3001. Object-Oriented programming methodology and problem-solving techniques with general purpose modern C++ programming language. It is designed for students to master Object-Oriented programming concepts, paradigm and techniques with C++, including Object-Oriented Paradigm, Class, Inheritance, Polymorphism, Templates, Namespaces, STL Containers and Iterators, Structure and Enumerations, Templates, Exceptions, etc.

3001. Object-Oriented and Component Programming Lab (1). Pr. CSCI 2200 and CSCI 2201. Co-req. CSCI 3000. The goal of this course is to give students a hands on practice experience on mastering Object-Oriented programming concepts and techniques in modern C++, including Object-Oriented Paradigm, Class, Inheritance, Polymorphism, Templates, Namespaces, STL Containers, and Iterators, Structure and Enumerations, Templates, Exceptions, etc.

3100. Linux/Unix for Cybersecurity (3). Pr. CSCI 1110. This course covers the concepts and administration of system and network security on Unix and Linux systems. Students will gain the skills needed to protect network servers from various types of threats. Students will understand, plan, and implement security on Linux servers including developing security policies, local system security, network security, monitoring systems and networks, basic firewall setup, and the use of various security related tools.

3200. Parallel Programming (3). Pr. CSCI 3100. Introduction to parallel computer systems and its programming paradigms. Concepts of parallelism, parallel communication and coordination as well as parallel algorithms and errors in parallel codes. It covers MPI and Open MP.

3300. Introduction to Computer Architecture (3). Pr. CSCI 2000. Introduction to the architecture and function of computers. Topics include microprocessors, memory, control units, storage, I/O systems, machine language, assembly language, high-level languages, functional organization, relationship between computer architecture and system software.

3400. Data Structures (3). Pr. CSCI 3000. Foundations of programming concepts: data structures and algorithms. Covers the design of efficient data structures and algorithms to solve various types of problems. Includes algorithms for standard computational problems; design and implementation of efficient algorithms; mathematical analysis of algorithm efficiency; linked lists; stacks; queues; trees; and recursion.

3600. Fundamental Algorithm Design and Analysis (3). Pr. CSCI 3400. Algorithms for standard computational problems; design and implementation of efficient algorithms; mathematical analysis of algorithm efficiency.

3650. Ethics in Computer Science (3). Pr. CSCI 3600 and Min. grade of C in ENGL 1010, or HONR 1757. This course focuses on the social, legal, ethical and cultural issues involved in the deployment and use of computer technology. Includes information about code of ethics documents produced by national and international professional societies and organizations.

3700. Database Systems (3). Pr. CSCI 3400. This course emphasizes the design and implementation of database management systems. Topics include data models, data normalization, data description languages, query facilities, file organization, index organization, file security, data integrity, and reliability.

4080. Introduction to Digital Forensics (3). Pr. CSCI 3300 and CSCI 4300. Introduce the topics of computer crime and digital forensics. Cover different aspects of computer crime and ways in which to uncover, protect and exploit digital evidence. Students will be exposed to different types of tools, both software and hardware, and be able to use them to perform rudimentary investigations.

4100. Software Components (3). Pr. CSCI 3400. The abstraction and implementation of reusable computer software components with applications to data structures and algorithms and to the engineering of large, software-intensive programs.

4200. Software Engineering (3). Pr. CSCI 2000. Introduction to the practical problems of specifying, designing, building, testing, and delivering reliable software systems. This course is aimed at building up an understanding of how to develop a software system from scratch by the development process. As a central part of the course, student teams carry out projects for real clients. Each project includes all aspects of software development from a feasibility study to final delivery.

4250. High Performance Computing (3). Pr. CSCI 3200 and MATH 2660. Advanced parallel programming concepts such as single instruction multiple data (SIMD), scalability, performance improvements, memory models, many core processors and GPUs using NVIDIA CUDA and/or OpenCL programming environments.

4300. Introduction to Operating Systems (3). Pr. CSCI 3300. An introduction to fundamental concepts in operating systems. Topics include process management, main memory management, virtual memory, I/O and device drivers, file systems, secondary storage management, introduction to critical sections and deadlocks.

4350. Network Systems (3). Pr. CSCI 3100 and CSCI 3300. Focuses on fundamental concepts of modern network systems, network architecture/organization and network communication (e.g. OSI and TCP/IP models). Topics include wireless networks, switching and routing, congestion, internet traffic, and network security.

4400. Distributed Cloud Computing (3). Pr. CSCI 3700. This course discusses the fundamentals of distributed systems. Systems that can harness idle CPU cycles and storage spaces of many networked systems, client-server applications, concepts of Grid and Cloud computing are introduced.

4450. Data Intensive C# Programming (3). Pr. CSCI 3000. This course introduces the data intensive programming using the C# language. It covers a variety of topics in the field dealing with data-intensive applications. Topics include data types, control structures, functions, syntax, and semantics of the language, classes, class relationships, exception handling, relational data management, highly-scalable data processing, etc. Emphasis will be on design, development, testing, and implementation.

4500. Mobile Computing (3). Pr. CSCI 4100. Introduction to mobile devices programming. Application development using web technologies such as HTML, CSS and JavaScript; native programming languages like Java and Swift; and hybrid technologies. This course is a hands-on intensive course.

4550. Computer Graphics (3). Pr. CSCI 3400 and MATH 2660. Introduction to the theory and practice of computer graphics. Includes introduction to graphics pipeline, 2D-3D transformations (e.g. scaling, translation and rotation), user interaction, perspective/orthographic projections, lighting, and shading. Uses OpenGL API with C/C++ programming language.

4924. Computer Science Internship (3). Pr. Permission of instructor. Qualified students will be jointly supervised by faculty and computer professionals. Internship allows students to gain industrial work experience.

4950. STEM Senior Seminar (3). Pr. Min. grade of C in ENGL 1010, Senior Status or permission of instructor. Student is guided in the presentation of a technical topic and completes an appropriate project. Occupational and employment information and guidance is offered.

4970. Special Topics in Computer Science (1-3). Pr. Permission of instructor. The student works under the direction of a faculty member on some topic of mutual interest. With the approval of the head of the department of Mathematics and Computer Science, may be taken satisfactory/unsatisfactory.

5000. C++ Programming Language (3). This course introduces students to C++ programming language, a dominant language in the industry. Students will be taught the fundamentals of programming. These concepts are applicable to programming in any language. Topics covered include basic principles of programming using C++, algorithmic and procedural problem solving, program design and development, basic data types, control structures, functions, arrays, pointers, classes, object-oriented paradigm for programmer-defined data types, etc.

Counselor Education (ECED)

3890. Fundamentals of Counseling (3). Pr. Min. grade of C in ENGL 1010 or HONR 1757 and junior standing. Introductory course for undergraduate students from various majors and backgrounds. Introduces students to the field of counseling and the settings and roles of counselors. An overview of the foundations, skills, theories, ethics, legal issues, and community agencies in counseling is provided.

3950. Counseling Seminar (1-3). Pr. junior standing. Provides the opportunity for students and professors to comparatively pursue topics of interest to counseling and the helping professions. Innovations and emerging issues in the field are emphasized.

4250. Diversity Issues of Families in Distress (3). Pr. junior standing. Course focus will be family relationships emphasizing child/parent relationships and child abuse, neglect and exploitation. Family structures, attitudes and multicultural issues in systemic family counseling of selected diverse populations will be examined.

4870. Play Therapy I (3). Pr. junior standing. The course is designed to promote the development of an historical, theoretical, and ethical base for the practice of child therapy using play techniques.

4880. Play Therapy II (3). Pr. junior standing. The course will provide play therapy training for students who are interested in a Child Advocacy Studies Training minor.

Criminal Justice (JUST)

1150. Introduction to the American Criminal Justice System (3). Overview of the United States criminal justice system; students develop a general understanding of the dynamic nature of the criminal justice system's response to crime in society, including the roles of law enforcement, courts, corrections, and juvenile justice systems.

1160. Introduction to Security (3). Survey of security administration in business, industry and government; consideration of problems and issues affecting the relationship between publicly funded law enforcement and the private sector.

1250. Law Enforcement Theory and Practice (3). Focuses on the theory of law enforcement at the local, state and federal levels of government. Police ethics and past, current and future changes in law enforcement policies and practices discussed.

1270. Introduction to the American Legal System (3). Overview of the major principles and functions of the United States legal system, including an introduction to Constitutional and statutory provisions, the American judicial system, legal vocabulary, and the dynamic impact of contemporary civil and criminal legal issues on American society.

1642. Criminal Justice Writing (3). Detailed study of effective communication in the criminal justice system. Includes analysis and synthesis of interoffice communications, analysis of research, and development of projects and presentations of social science research.

2010. Criminal Justice Information Systems (3). Acquaints the student with the methods and procedures concerning the protection of information, computer hardware and software, Emphasis on identifying the organizational responsibility for protective programs and detection of information and computer theft.

2110. Juvenile Delinquency and Gangs (3). Exploring gang phenomena in the United States; concentrates on recent research about gang formation and gang related violence including various criminological theories that explain the social, economic, political, and environmental reasons for the rise of gangs in various urban centers.

2120. School Violence (3). Course examines school violence as a complex social problem. Theoretical framework, specific subtypes of aggression and violence, the physical and psychological consequences of school related violence current policy and laws are affected, media portrayal of school related violent offenses.

2620. Criminal Law (3). Jurisprudential philosophy and case study of common law and statutory crimes. Includes functions and development of substantive criminal law, elements of specific offenses and defenses.

2630. Victimology. Characteristics of victim/offender interactions, the effects of criminal acts upon victims and their families and post-traumatic stress disorder and its implications for victims and the criminal justice system are addressed.

2640. Family Violence (3). A critical examination of family violence. Topics include, the meaning, nature, and types of family violence. Biological, psychological, sociological, and criminological theories will attempt to explain hostility, aggression, and violence among intimate partners, child abuse, elder abuse and neglect.

2700. Legal Studies and Ethics (3). Pr. JUST 1270. Survey of the occupational field of the paralegal (legal assistant), including ethics, law office management, legal research, law libraries, overview of administrative law, criminal and civil law, employment discrimination and career opportunities.

2740. Law Office Management (3). Pr. JUST 1270. Examination of various aspects of managing a law office, including management theories, organization of different types of law offices, office systems and procedures, computerized systems and personnel management.

2760. Statistics and Data Management for Social Sciences (3). Pr. MATH 1100. This course provides the basic principles and quantitative methods to address real world problems in criminal justice and public safety. Basic quantitative methods, including probability, descriptive statistics, inferences for means and proportions, regression and other quantitative methods are presented. The analytic methods and applications will be linked to topics developed in various justice and legal studies courses. This course fulfills a requirement of Justice and Public Safety majors.

2813. Technology in Law (3). Pr. JUST 1270 or permission of instructor. Introduction to software commonly used in law offices, including spreadsheets, databases, and case management software and review of word processing applications. Includes instruction in use of internet and computer-assisted legal research.

2840. Wrongful Convictions (3). This course will provide an examination of the nature and extent of crime in modern American society. Emphasis will be placed on issues selected from, but not limited to, emerging patterns of violence, white-collar crime, victimless crime, and those crime control strategies deemed appropriate in a democracy.

3040. Organization and Administration (3). Pr. JUST 1150. Introduction to organizational structures, human resource management, organizational performance and consideration of organizational changes.

3050. Community and Problem Oriented Policing (3). The course examines the theoretical concepts of Community Oriented Policing and Problem Oriented Policing. It defines practical applications as well as both the positive and negative aspects of these modes of policing. It looks at the various implementations of these programs throughout the US.

3100. Gender in Criminal Justice (3). To examine the nature and extent of female offenders, victims, and professionals in the criminal justice system. The course will provide students with an understanding of the processing of women offenders and victims through the criminal justice system. Students will also become familiar with the theoretical concepts focusing on female criminality, victimization and women professionals in the criminal justice system.

3120. Investigative Methods (3). Pr. JUST 1250. Examination of theories and practices of the investigative process in the criminal justice system, specific operational techniques and applications of innovative techniques.

3130. Supervision and Management (3). Pr. JUST 1150. Examines the role of supervision in relation to leadership, motivation, evaluation and discipline in law enforcement agencies.

3200. Cyber Crime and Victimization (3). Pr. JUST 1150. Explores how a “networked” world has bred new crimes and criminality; investigates how information and communication technology has become a tool, target, and place of criminal activity and national security threats; discusses digital laws, legislation, public policy concerns and implications.

3210. Cyber Laws, Legislation, and Policies (3). Pr. JUST 3200. This course will provide information and purpose of existing laws, legislation and policies. It will also provide information about challenges faced in the process of developing and enforcing laws, legislation and policies of prevention of cybercrime and cyber victimization.

3220. Criminal Justice Ethics (3). Pr. JUST 1150, junior or senior standing. Ethical dilemmas and decisions in the criminal justice system, with a focus on law enforcement problems.

3270. Foundations of Law in Public Policy (3). Study of structure and scope of American legal system, including courts, legal culture, social role of legal profession, impacts of legal regulation, criminal justice, civil rights and liberties, and relationship between the legal system and public policy administration affecting American society.

3290. Family Law and Public Policy (3). Broad-based approach to an important area of government regulation; exploration of essential policies and legal rules for a variety of family law issues emphasizing societal options and ultimate choices for children and family welfare while protecting personal autonomy and meeting collective goals.

3500. Transnational Crimes (3). Examines historical and contemporary patterns, capabilities and vulnerability of transnational criminals and organizations and their impact on society. Discusses the crime, reviews illicit activities of transnational criminal organizations; examines link to terrorism and public policy.

3510. Corrections: Theory & Practice (3). Examines the historical development of corrections and current corrections philosophy, policy, theory and practice. Traditional and innovative corrections programs addressed, with primary focus on institutional issues and trends.

3540. Juvenile Justice Law (3). Historical and case-oriented approach to the legal basis of individualized justice for children, including early common law approaches, the child-saving movement, the juvenile court era and the modern challenge to the court by the constitutionalists.

3570. Criminal Justice Policy (3). Explores criminal justice policy and planning at local, state, and national levels. Students will learn application of planning theories, techniques for analyzing problems, development of programs and policies, as well as program and policy monitoring and evaluation in criminal justice.

3630. Evidence/Criminalistics (3). Issues and problems of proof in civil and criminal trials, rules of evidence, examining witnesses, constitutional considerations, etc.

3650. Civil Litigation (3). Pr. JUST 1270, Minimum Sophomore status. A study of the legal steps involved in the preparation of a civil case at law, efforts towards non-judicial settlement, trial and post-trial considerations, and general civil law matters.

3670. Family Law (3). Examination of the law impacting family relationships such as marriage, annulment, divorce, adoption, child support and custody, child abuse, illegitimacy, termination of parental rights, separation agreements, support agreements and the rights of the parties involved.

3680. Torts/Civil Actions (3). Pr. Sophomore standing. The law of private wrongs: negligence theory, duty, breach of duty, proximate cause, damages and defenses. Examination of legal and medical malpractice. Discussion of intentional torts.

3730. Real Estate Law (3). A study of the aspects of real estate law concerning present and future estates in realty, concurrent ownership, landlord-tenant relationships, conveyances and titles.

3750. Sport Law (3). Pr. Sophomore standing. Survey of the common law issues associated with American sports, to include the study of negligence and tort issues, gender equity issues, risk management of sports, agency law, sports contracts, products liability, and anti-trust laws.

3760. The Environment and the Law (3). Pr. Sophomore standing. Survey of U.S. environmental laws and enforcement processes, to include a review of the National Environmental Protection Act (NEPA), the Clean Water Act (CWA), the Clean Air Act (CAA), the Resource Conservation and Recovery Act (RCRA), and other laws.

3770. Mental Health and Criminal Justice (3). Junior or higher standing. An examination of how the mental healthcare system operates in conjunction with the criminal justice system, to include a review of the quality of that collaboration as reflected in the processes, issues, and outcomes of both systems.

4200. Comparative Criminal Justice (3). Examines representative criminal justice systems from a variety of nations with emphasis on the role of history, culture, social and political values and economic institutions in shaping institutions of justice including law, police, courts, corrections, and juvenile justice systems and practice. Attention is paid to conflict and cooperation between criminal justice systems and ideologies that occur when peoples of different cultures and systems are in close proximity.

4300. Health Law and Public Policy. Course provides students an analytic framework for the in-depth analysis of essential policies and legal issues impacting and arising from healthcare and public health systems, as well as the formulation of health policies and laws.

4310. Deviant Behaviors (3). Pr. JUST 1150, junior standing or above. This course will study the psychology behind behaviors that are considered deviant by society's standards. The course will introduce the students to the causes of these disorders, their symptoms, treatments, and effects on society.

4370. Security Administration (3). Pr. JUST 1160. Administrative and managerial aspects of the security field in the private sector, administrative and regulatory agency requirements, financial management and planning and organization and vulnerability assessment.

4400. Crime Analysis (3). Pr. JUST 1150. This course focuses on the application of tactical, strategic and administrative crime analysis tools, techniques and methods; identify crime patterns, series and trends; develop weekly and daily crime bulletins; prepare target sheets and known offender profiles and crime mapping applications.

4403. Information and Computer Security (3). Examines the major information technology systems used in the criminal justice arena. Practical experience is offered on systems used in actual agencies. Technologies of the future will be explored.

4410. Law Enforcement Administration (3). Review of administrative structure, management practices and operational aspects of enforcement agencies in the criminal justice system. Analysis and evaluation of innovative programs and the impact of science and technology.

4420. Correctional Management (3). Application of basic principles of organization and management to corrections. Discusses evolution of correctional management. Also addresses correctional policy, procedure, budgeting and program development and evaluation.

4510. Planning and Budgeting (3). Introduction to planning concepts, methods, implementation, budgeting and evaluation. Discusses the relationship of planning to effective management and decision making. Develops a broad conceptual framework for various planning methods and techniques.

4530. Community Corrections (3). Community-based corrections philosophy, policy and programs discussed, with the focus on probation, parole, diversion and intermediate sanctions. Relationship of community and institutional corrections discussed.

4570. Corrections: Rights and Responsibilities (3). Detailed examination of jail and prison staff and inmates' rights and responsibilities in relationship to 18 U.S.C. 241-242 and 42 U.S.C. 1983, deprivation of civil rights legislation.

4580. Loss Prevention (3). Pr. JUST 1160. Examination of losses suffered by retailers as a result of manmade and natural security hazards. Includes risk assessment, policies and emergency planning.

4590. Bankruptcy (3). Pr. JUST 1270, junior standing or higher. Provides an understanding of bankruptcy law, including creditor collection, history of bankruptcy and non-bankruptcy alternatives.

4600. Business Organizations (3). Pr. JUST 1270, junior standing. Detailed study of legal issues in business. Topics include contracts, UCC, e-commerce, negotiable instruments, securities, secured transactions and business entities.

4602. Legal Research (3). Pr. Min. grade of C in ENGL 1020 or HONR 1857 and junior or senior standing. Detailed study of legal bibliography, lawlibrary research and case and text analysis, resulting in the supervised production of legal research assignments.

4610. Juvenile Justice Administration (3). Pr. JUST 1150. Application of basic principles of organization and management in the juvenile justice system. Examines the social and legal context within which delinquency and juvenile justice practice occur. Discusses policy, procedure, budgeting, program development and evaluation.

4622. Legal Writing (3). Pr. JUST 4602 and junior or senior standing or permission of instructor. Detailed study of writing skills and preparation of legal documents, including legal briefs and memoranda of law. Integrates legal research and analysis skills to produce legal documents and effective legal communication.

4640. Criminal Procedure (3). Pr. JUST 1150. A study of the legal steps involved in the enforcement of criminal law and the fundamental principles necessary to a fair trial. Procedurally oriented discussion of arrest, search and seizure, right to counsel and due process of law.

4660. Court and Judicial Administration (3). Historical and contemporary perspectives of the field of court management at the state and local levels. Administrative and management issues concerning trial courts, the state court system and the federal court system are analyzed.

4690. Wills, Trusts, and Estates (3). Pr. JUST 1270 and junior/senior standing. To familiarize the student with the process of estate planning and probate, with emphasis on the practical aspects of will drafting, creation of trusts and probate administration.

4700. Research Methods (3). Pr. Min. grade of C in ENGL 1010 and ENGL 1020. Research methods as applicable to justice and public safety, evaluation of research designs, conceptual models and sampling techniques and procedures. Analysis of research results. Development of an individual research design.

4710. Alternative Dispute Resolution (3). Pr. Min. grade of C in ENGL 1020 or HONR 1857, and junior or senior standing. Examination of the various aspects of alternative dispute resolution, including arbitration, negotiation and mediation. Looks at differences and requirements in these areas and explores skills needed to work in this growing field of law.

4720. Government Power and Civil Rights (3). Pr. POLS 1020. Surveys the development of American constitutional law that shapes the contemporary powers of governments in the United States.

4730. APOST Law Enforcement Academy (9). Credit earned for successful completion of Alabama POST certified academy.

4750. Survey of Crime Theories (3). Provides an examination of the major criminological schools of thought as well as the prominent theorists within each school; theories are presented that examine criminal motivation and the application of criminal law; additionally, the implicit theoretical assumptions regarding the punishment of offenders are examined.

4780. Administrative Law (3). Pr. JUST 1270 and junior/senior standing. Substantive and procedural matters of the administrative justice system, including code and standards, benefit claims, regulated groups, court decisions and civil rights.

4810. Cold Case Investigations (3). Pr. JUST 1150. The course is an overview of the best practices for working cold cases. Topics will include techniques for solving cold cases, interviewing, court orders, DNA, information sources, prosecution, and case studies, involving homicide and sexual assaults.

4830. APOST Corrections Academy (9). Credit earned for successful completion of Alabama POST certified academy.

4924. Internship (1-6). Pr. junior or senior standing and permission of advisor. Supervised study in an administrative setting to integrate theory and practice in criminal justice agencies. Credit may not exceed 3 hours for any single internship.

4930. Directed Research (1-6). Pr. Permission of advisor. Independent research into criminal justice problems, issues and theories. Credit may not exceed 3 hours for any single project.

4970. Special Topics in Justice and Public Safety (0-3). Pr. JUST 1150 or JUST 1270. In-depth examination of specific topics of current interest in criminal justice, public safety and paralegal education. Course may be repeated as topics change.

4980 Deviant Behaviors (3). This course will study the psychology behind behaviors that are considered deviant by society's standards. The course will introduce the students to the causes of these disorders, their symptoms, treatments, and effects on society.

Early Childhood Education (ECHE)

3000. Introduction to Early Childhood Education (4). Pr. Departmental approval required. This course focuses on the field of Early Childhood Education with an emphasis on theory and developmentally appropriate practices. The role of teacher, curriculum, teaching strategies, and assessment will be examined.

3100. Methods of Teaching the Very Young Child (0-3). Pr. Admission to professional education. A foundation for teaching the child from birth to 3 years of age through review and interpretation of sound child development practice. Planning and developing an appropriate environment and curriculum are emphasized. Field experiences are provided.

3200. Methods of Teaching Preschool (3). Pr. Admission to professional education; ECHE 4914 to be taken concurrently. A study of early childhood education with an emphasis on the teacher and the pre-primary curriculum from 3-5 years of age.

4203. Families and Communities (3). Pr. Admission to professional education. This course focuses on diverse needs of the child in family, school and community. Diverse cultures, abilities, language and communication including English as a Second Language in the early childhood environment and other community institutions are addressed.

4213. Literacy Instruction for Young Children (4). Pr. Departmental approval required. The study of young children's literacy development including oral/written language development, emergent literacy, reading fluency, comprehension, phonics, assessment, and reading-writing connections. Different theories and philosophies regarding children's language/literacy development will be addressed.

4914. Practicum in Early Childhood Education (3). Pr. READ 3300 and FNDS 4800; Admission to professional education; Co-req. ECHE 3200. Developmentally appropriate practices in the areas of language arts, mathematics, science, social studies, and health and physical education are included in this clinical experience. Taken concurrently with ECHE 3200.

4924. Professional Internship in Childhood Education (0-9). Pr. Admission to professional education and departmental approval. Developmentally appropriate practices in the areas of language arts, mathematics, science, social studies, and health and physical education are included in this clinical experience.

Economics (ECON)

2000. Essentials of Economics (3). Provides the background for a basic understanding of our economic system. Examines supply and demand, institutions in the US system, the role of government and the world economy. Will not substitute for ECON 2010 or ECON 2020. For non-business majors only.

2010. Economics I (Micro) (3). Pr. MATH 1020, MATH 1050, MATH 1100, MATH 1120, MATH 1150, or equivalent, or ALEKS placement test score of 46 or higher. An introduction to basic principles of economics and the methods of microeconomics analysis. Topics include microeconomic analysis of the market forces of supply and demand, price determination, market structure, cost and production specialization and trade and notion of economic efficiency.

2017. Economics I (Micro) – Honors (3). Pr. Min. grade of C in MATH 1120 or MATH 1150 or Math 1610 equivalent or appropriate score on the mathematics placement test and admission to Honors Program. Enhanced version of ECON 2010.

2020. Economics II (Macro) (3). Pr. Min. grade of C in ECON 2010. Macro-economic analysis of aggregate trends and problems that include macroeconomic instability and business cycle, inflation and unemployment, government stabilization policies both fiscal and monetary, the balance of payment and trade and long-run economic growth.

2027. Economics II (Macro) – Honors (3). Pr. Min. grade of C ECON 2010, and admission to Honors Program. An enhanced version of ECON 2020.

2970. Special Topics in Economics (3). Variable content in Economics. This course might be repeated up to 6 hours as long as the subject is different each time.

3010. Contemporary Economic Problems (3). Pr. Sophomore standing or higher. An intensive analysis of specific, current business and economic problems of major importance.

3050. Issues in Global Trade and Finance (3). Pr. ECON 2010 and ECON 2020. A study of the global nature of our economy and the effects of the global economy on public policy and business decision making. Focuses on effects of global environment on domestic product markets, labor markets, resource markets and financial markets.

3110. Intermediate Microeconomics (3). Pr. ECON 2010 and ECON 2020. The study of how prices, output and size of plant are determined within varying economic market organizations.

3120. Intermediate Macroeconomics (3). Pr. ECON 2010 and ECON 2020. Studies aggregate forces in an economy that seeks the goals of full production, full employment, price stability and growth. Topics include economic growth, the business cycle, issues in monetary and fiscal policy, balance of payments and exchange rate analysis.

3200. Chinese Economy (3). This course covers the contemporary Chinese Economy and is designed to highlight the unique characteristics of its development and the nature of its explosive growth since the implementation of market system economic reforms of 1978. The topics to be covered include China's growth, characteristics of Chinese financial and foreign trade sectors, the significance of FDI on Chinese economic transition, and the prospects for long-term growth. The course objectives are to provide the students a practical understanding of business prospects in China and to also offer them insight into potential future issues facing the Chinese Economy.

- 3500. Labor Economics (3). Pr. ECON 2020 and MATH 1100.** A theoretical and institutional examination of different labor markets, including wage theories, economics of collective bargaining and discrimination in the labor market.
- 3540. History of Economic Thought (3). Pr. ECON 2000 or ECON 2010, and MATH 1100 or MATH 1120, and min. grade of C in ENGL 1020.** Discusses important perennial economic questions such as how prices are set, why firms exist, and why some societies are richer than others. The emphasis is on exploring these issues through a historical perspective, addressing how past thinkers approached these topics, and assessing how classic economic theorists still influence the ways we think about economics today.
- 3550. Law and Economics (3). Pr. ECON 2000 or ECON 2010 and MATH 1100 or MATH 1120 and Min. grade of C in ENGL 1020.** Discusses how economic analysis helps us to better understand private property, civil rights and liberties, crime, anti-trust, and many more legal issues.
- 3600. Money and Banking (3). Pr. ECON 2020 and MATH 1100 or MATH 1120, and min. grade of C in ENGL 1020.** Examines money, credit and banking, including consideration of monetary systems, foreign exchange and commercial banking with relation to the Federal Reserve System.
- 3700. Economic Analysis and Methods (3). Pr. ECON 2010 and ECON 2020 and ECST 2760 or department head approval.** This course introduces students to topics in linear algebra and multivariable differential calculus suitable for economic applications. Students will also be introduced basic econometric theory and their applications to economics issues. Topics to be covered are linear algebra, differential calculus, and econometric theory.
- 3710. Economics Forecasting and Data Analysis (3). Pr. ECON 2010 and ECON 2020 and ECST 2760 or department head approval.** This course is designed to cover the forecasting process and the techniques in order to prepare you adequately in accordance with the growing need for such skills in the real-world. This course will focus on applications. Several forecasting techniques and software programs will be introduced in this course.
- 3800. Topics in Ecological Economics: What Color of Green? (3). Pr. MATH 1100 or MATH 1120, and min. grade of C in ENGL 1020, junior standing.** An exploration of the often divergent viewpoints of economists and ecologists over environmental issues. Issues of interest include economic development, environmental preservation, government regulation and international environmental conflicts. Same as BIOL 3800.
- 4050. International Institutions and Contemporary Trade Policy (3). Pr. ECON 3050.** An examination of the role of international institutions in the global marketplace. Topics will include the role of the International Monetary Fund (IMF) in international financial markets; the roles of the IMF and the World Bank in stabilization and development strategies; an examination of contemporary trade policy within the context of the World Trade Organization, including the importance of intellectual property rights. The course will rely heavily on case studies.
- 4270. Managerial Economics (3). Pr. ECON 2010, and MATH 1100 or MATH 1120, and min. grade of C in ENGL 1020, junior standing.** Decision theory and criteria for decision making concerning output, pricing, capital budgeting, scale of operation, investment and inventory control. Attention given to concepts of profits, production and cost functions, competition and equilibrium for the firm and industry.
- 4300. Industrial Organization (3). Pr. ECON 2010 and ECON 2020, junior standing.** The focus of this course will be on applying micro-economic principles to understand and improve the behavior of firms in areas such as: the analysis of competition, entry decisions, positioning, theory of the firm, business strategy, incentives, boundaries of the firm, etc.

4310. Games and Strategy (3). Pr. ECON 2010 and ECON 2020 and ECST 2760 or QMTD 2750; junior standing. The focus of this course will be learning basic principles of strategic thinking and applying them to real world situations. Topics covered include: Static Games of Complete Information, Dominant Strategies, Nash Equilibrium, Dynamic Games of Complete Information, Backward Induction, etc.

4350. Sports Economics (3). Pr. ECON 2000 or ECON 2010 or PHED 4360 or department head approval. This course will apply economic principles to selected aspects of professional and collegiate sports and sport leagues. It is intended to help students understand the business side of sports, how economics impact managerial decision making, and how it affects the games seen at the stadium or in the arena. Duplicate credit will not be allowed for ECON 4350 and PHED 4450.

4650. Public Finance (3). Pr. ECON 2010 and MATH 1100 or MATH 1120 and min. grade of C in ENGL 1020, junior standing. A study of principles of taxation, government expenditures and fiscal policy in the American economy.

4700. International Economics (3). Pr. ECON 2010, ECON 2020 and ECON 3700, or department head approval. Survey of basic theory and institutions of international trade, including supply and demand in trade, tariff analysis, customs unions, trade policy, foreign exchange market, international monetary management, balance of payments and trade and international adjustment mechanism. Analysis of current problems.

4800. Senior Seminar in Economics (0-3). Pr. ECON 3110, ECON 3120, ECON 3700, and ECON 3710. Economic analytical methods are applied to important economic issues confronting society. Students will employ theory and methods learned in previous Economics classes. The course will assess the students' ability to employ economic reasoning in discussion, written exercises and reports, and in-class presentations.

4900. Independent Study (1-3). Pr. junior standing, department head approval. Variable content as determined by faculty member outside of the classroom setting. May be repeated up to 6 hours.

4924. Internship in Economics (1-3). Pr. departmental approval. Provides students with the opportunity to gain valuable insight through practical accounting experience so they may better correlate their academic experience with a professional, real-world environment. Business or major elective credit.

4970. Special Problems/Special Topics (3). Pr. junior standing. Variable content in economics within the classroom setting. May be repeated up to 6 hours.

5550. Health Economics (3). Pr. ECON 2010 or Department Head approval. Applies basic microeconomic theory to analyze health care markets, including demand for medical care, role of health insurance, supply of health care services, and impact of regulations.

Economic Statistics (ECST)

2760 .Statistics for Social Sciences 1 (3). Pr. MATH 1020, or MATH 1050, or MATH 1100, or MATH 1120, or MATH 1150 or ALEKS placement score of 46 or higher, or department head approval. The purpose of ECST 2760, is to introduce the student to basic methods of presenting and analyzing social science data. Topics to be covered are: Descriptive Statistics, Probability Distributions, Sampling Distributions, Confidence Intervals, Hypothesis Testing, Analysis of Variance and Linear Regression.

Elementary Education (ELEM)

3000. Teaching Creative Arts (3). Pr. min. grade of C in ENGL 1010 or instructor approval. Methodology of teaching music and art to children in grades K-6. Teaching techniques methods and materials are studied and evaluated.

3400. Methods of Teaching Elementary Social Studies (3). Pr. Admission to professional education. Curriculum, methods, strategies and materials related to teaching social studies in the elementary school. Focus is on integrating the curriculum. Field experiences are provided.

3914. Practicum in Education (3). Pr. READ 3300 and FNDS 4800, admission to professional education. Practicum in Education is an independent directed study of field experience to be determined.

4100. Methods of Teaching Elementary Mathematics (3). Pr. MATH 1100, MATH 1310, and MATH 1320, admission to professional education. Curriculum, methods and materials appropriate to teaching mathematics in the elementary school. Particular emphasis is on discovery approaches and active involvement with materials to teach mathematical concepts. Field experiences are provided.

4200. Methods of Teaching Elementary Science (3). Pr. Admission to professional education. Curriculum, methods and materials related to teaching science in the elementary school. Although discovery strategies are stressed, multiple teaching strategies are presented. Field experiences are provided.

Engineering (ENGR)

1110. Introduction to Engineering (2). Pr. Min. Grade of C in ENGL 1010, Co-req. MATH 1610 and ENGL 1020. Professional engineering history, modern branches, standards and licensing. Introduction to engineering design and computer software packages. Communication (written, oral and graphical) in engineering. Collaboration and teamwork in engineering projects.

1210. Introduction to Computing for Engineers and Scientists (3). Pr. Min. grade of C in MATH 1150 OR Min. grade of D in MATH 1610 OR (Min. grade of C in both MATH 1120 and MATH 1500). Computer programming in a high-level language (Matlab programming), with emphasis on the use of the computer as a tool for engineering or science.

1723. Graphic Communication and Design (3). Fundamental aspects of descriptive geometry and graphical techniques as an aid to spatial visualization and communication in design. The course includes a lab component in Computer Aided Design (CAD). Sketching, multi-view, graphical conventions and symbols, geometry and calculus, and applications.

English (ENGL)

0103. Introduction to Composition. Elements of composition and language conventions for writing practice with in-depth support and review. Will not substitute for ENGL 1010 or ENGL 1020. In order to receive credit for ENGL 0103, course must be passed with a CR or higher. Credit for ENGL 0103 is in addition to minimum degree requirements.

1010. English Composition I (3). Pr. English Placement Conversion Test min. score of 3, or English Placement Test min. score 32, or ACT English min. score of 18, or SAT Verbal min. score of 450 or Evidence-Based Read/Write score min. 450, or min. grade of CR in ENGL 0103. The essentials of composition and rhetoric.

1017. English Composition I, Honors (3). Pr., permission of instructor. The essentials of composition and rhetoric.

1020. English Composition II (3). Pr. English Placement Conversion Test min. score of 4 or English Placement Test min. score of 51, or min grade of C in ENGL 1010 or HONR 1757. The essentials of composition and rhetoric, with study of research skills.

1027. English Composition II, Honors (3). Pr. Min. grade of C in ENGL 1017. The essentials of composition and rhetoric, with study of research skills.

2500. English as a Field of Study (3). Pr. Min. grade of C in both ENGL 1010 and ENGL 1020 or HONR 1757 and HONR 1857. Introduces students majoring in English to the possibilities and approaches of the discipline, the methods of computerized and library research and (through guest lectures) the members of the English faculty.

- 2530. Survey of English Literature I (3). Pr. Min. grade of C in both ENGL 1010 and ENGL 1020 or HONR 1757 and HONR 1857.** English literature from *Beowulf* through the 18th century.
- 2540. Survey of English Literature II (3). Pr. Min. grade of C in both ENGL 1010 and ENGL 1020 or HONR 1757 and HONR 1857.** English literature from the beginning of the 19th century to the present.
- 2570. Survey of American Literature I (3). Pr. Min. grade of C in both ENGL 1010 and ENGL 1020 or HONR 1757 and HONR 1857.** American literature from the beginning to 1860.
- 2580. Survey of American Literature II (3). Pr. Min. grade of C in both ENGL 1010 and ENGL 1020 or HONR 1757 and HONR 1857.** American literature from 1860 to the present.
- 2600. Survey of World Literature I (3). Pr. Min. grade of C in both ENGL 1010 and ENGL 1020 or HONR 1757 and HONR 1857.** World literature from the ancient world to the seventeenth century. Occasional emphasis on Western, Eastern, or other world traditions as determined by instructor.
- 2610. Survey of World Literature II (3). Pr. Min. grade of C in both ENGL 1010 and ENGL 1020 or HONR 1757 and HONR 1857.** World literature from the seventeenth century to the present. Occasional emphasis on Western, Eastern, or other world traditions as determined by instructor.
- 3010. Introduction to Professional and Technical Writing (3). Pr. Min. grade of C in both ENGL 1010 and ENGL 1020 or HONR 1757 and HONR 1857.** Introduces students to the concepts and strategies of professional and technical writing.
- 3030. Technical Writing (3). Pr. Min. grade of C in both ENGL 1010 and ENGL 1020 or HONR 1757 and HONR 1857.** Designed to help the pre-engineering and science majors organize and communicate technical information. Includes a series of short reports, a proposal for research and a longer researched report. Emphasis on research, style and organization strategies, with some attention given to visual presentations of information and interpretation of data.
- 3040. Studies in Literature and Film (3). Pr. Min. grade of C in both ENGL 1010 and ENGL 1020 or HONR 1757 and HONR 1857.** Comparisons of British, American or European books, stories and films. Critiques the films for their literary values and evaluates the problems they present to writers and filmmakers. Focuses on specified genres, periods, directors and writers.
- 3050. Strategies for Successful Writing (3). Pr. Min. grade of C in both ENGL 1010 and ENGL 1020 or HONR 1757 and HONR 1857.** Instruction and intensive practice in writing non-fiction prose that informs, explains, or persuades with maximum clarity. Assignments often include such topics as book reviews, film analyses, op-ed editorials, process descriptions, grant applications, and in-depth research investigations.
- 3060. Business and Professional Writing (3). Pr. Min. grade of C in both ENGL 1010 and ENGL 1020 or HONR 1757 and HONR 1857.** The essential skills of written communication in a business environment, such as report writing, letters and other modes of business communication.
- 3070. Introduction to Linguistics and Formal English Grammar (3). Pr. Min. grade of C in both ENGL 1010 and ENGL 1020 or HONR 1757 and HONR 1857.** Develops a working knowledge of grammar and usage. May address teaching grammar and/or basic concepts in linguistics such as phonology, morphology, syntax, and semantics. May be repeated once for credit when the topic varies.
- 3710. Authors and Topics in British Literature (3). Pr. Min. grade of C in both ENGL 1010 and ENGL 1020 or HONR 1757 and HONR 1857.** Studies in British literary works, focusing on subject matters, regions, ideas, techniques or movements and ranging from the Arthurian legend to the Bloomsbury Group to the contemporary scene. The topic announced at each scheduling of the course. May be repeated once when the topic varies.

3750. Authors and Topics in British and American Literature (3). Pr. Min. grade of C in both ENGL 1010 and ENGL 1020 or HONR 1757 and HONR 1857. Combined studies in British as well as American literary works, focusing on trans-Atlantic subject matters, ideas, techniques or schools and ranging from Puritanism to Romanticism and Realism to the contemporary scene. The topic announced at each scheduling of the course. May be repeated once when the topic varies.

4000. Special Topics in Literature (3). Pr. Min. grade of C in both ENGL 1010 and ENGL 1020 or HONR 1757 and HONR 1857. Studies of literary works with a particular focus. The topics announced at each scheduling of the course. May be repeated once when the topic varies. May be offered concurrently with ENGL 6000.

4002. Introduction to Creative Writing (3). Pr. Min. grade of C in both ENGL 1010 and ENGL 1020 or HONR 1757 and HONR 1857. An introduction to various genres of creative writing, providing students with experience in writing within each genre and enabling them to become more thoughtful writers in each genre.

4010. Poetry Writing Workshop (3). Pr. Min. grade of C in both ENGL 1010 and ENGL 1020 or HONR 1757 and HONR 1857. Workshop designed to help students become more accomplished writers of poetry and more insightful readers of poetry.

4012. Topics in Creative Writing (3). Pr. Min. grade of C in both ENGL 1010 and ENGL 1020 or HONR 1757 and HONR 1857. Introduction to a specific genre of creative writing, such as children's literature, songwriting, science fiction, etc. Students write in the genre and become more insightful readers of the genre. May be repeated twice when topics vary.

4020. Fiction Writing Workshop (3). Pr. Min. grade of C in both ENGL 1010 and ENGL 1020 or HONR 1757 and HONR 1857. Introduction to writing and critiquing fiction. This course will be conducted primarily as a workshop, centered on discussion of original student writing in order to explore topics involved in creating good fiction.

4040. Creative Nonfiction Writing (3). Pr. Min. grade of C in both ENGL 1010 and ENGL 1020 or HONR 1757 and HONR 1857. Workshop designed to help students become more accomplished writers of creative nonfiction and more insightful readers of the genre.

4050. Studies in English Grammar (3). Pr. Min. grade of C in both ENGL 1010 and ENGL 1020 or HONR 1757 and HONR 1857, junior standing. A survey of the structure and grammar of English, with particular attention to the usage of the language for teachers and writers. May be offered concurrently with ENGL 6050.

4060. Studies in Composition (3). Pr. Min. grade of C in ENGL 1010 and ENGL 1020 or HONR 1757 and HONR 1857, junior standing. Study of composition theory and the composing process for teachers and writers. May be offered concurrently with ENGL 6060.

4070. History of the English Language (3). Pr. Min. grade of C in both ENGL 1010 and ENGL 1020 or HONR 1757 and HONR 1857, junior standing. Development of the English language. May be offered concurrently with ENGL 6070.

4080. Literary Criticism (3). Pr. Min. grade of C in both ENGL 1010 and ENGL 1020 or HONR 1757 and HONR 1857, junior standing. A study of the history and fundamental principles of literary criticism from Aristotle to the present. May be offered concurrently with ENGL 6080.

4090. Writing Across the Curriculum (3). Pr. Min. grade of C in both ENGL 1010 and ENGL 1020 or HONR 1757 and HONR 1857, junior standing. Strategies and practice for incorporating writing into the learning process in all curricula. May be offered concurrently with ENGL 6090.

4100. Pedagogy of Basic Writing (3). Pr. Min. grade of C in both ENGL 1010 and ENGL 1020 or HONR 1757 and HONR 1857. Study of composition theories and application to basic writing instruction.

4120. Writing in Material and Digital Spaces (3). Pr. Min. grade of C in both ENGL 1010 and ENGL 1020 or HONR 1757 and HONR 1857, junior standing. Investigation and survey of various locations, media, and tools used in public writing and rhetoric. May be offered concurrently with ENGL6120.

4130. Studies in Mythology (3). Pr. Min. grade of C in both ENGL 1010 and ENGL 1020 or HONR 1757 and HONR 1857, junior standing. Examines the origin, nature and transmission of myth and the importance of myth to cultural traditions and cohesiveness. Focus varies, including the hero, gender images or myth in film. May be repeated twice when topics vary. May be offered concurrently with ENGL6130.

4140. Multilingual Composition and Teaching Diverse Populations of Students (3). Pr. Min. grade of C in both ENGL 1010 and ENGL 1020 or HONR 1757 and HONR 1857. This seminar course will help current and future college writing instructors to develop a critical understanding of the various theories and approaches to teaching diverse populations of students.

4150. Pedagogy of Basic Writing (3). Pr. Min. grade of C in both ENGL 1010 and ENGL 1020 or HONR 1757 and HONR 1857, junior standing. Strategies and practice for incorporating writing into the learning process in all curricula. May be offered concurrently with ENGL 6100.

4160. Chaucer (3). Pr. Min. grade of C in both ENGL 1010 and ENGL 1020 or HONR 1757 and HONR 1857, junior standing. The major works of Geoffrey Chaucer in Middle English. May be offered concurrently with ENGL 6160.

4170. Writing for Digital Media (3). Pr. Min. grade of C in both ENGL 1010 and ENGL 1020 or HONR 1757 and HONR 1857 and junior standing. Introduces students to the foundational rhetorical concepts and strategies of composing with and for digital media.

4210. Poetry and Prose of the English Renaissance (3). Pr. Min. grade of C in both ENGL 1010 and ENGL 1020 or HONR 1757 and HONR 1857, junior standing. The nondramatic literature of the Tudor period, stressing the humanist poets and prose writers. May be offered concurrently with ENGL 6210.

4240. Studies in Literature and Film (3). Pr. Min. grade of C in both ENGL 1010 and ENGL 1020 or HONR 1757 and HONR 1857, junior standing or higher. Considers the relation of the written text of literary works to film versions from a wide variety of genres, authors, times, and cultures. Students critically analyze filmic representations of the literature and the cultural context from which these emerge. May be repeated once when topics vary. May be offered concurrently with ENGL6240.

4250. American Film History, 1914-1950 (3). Pr. Min. grade of C in both ENGL 1010 and ENGL 1020 or HONR 1757 and HONR 1857, and junior standing. A history of popular film in the U.S. from the rise of the American silent film through the films of the post-World War II era. Students become acquainted with the work and themes of some of America's significant film directors and major genres of American popular film.

4260. American Film History, 1950-present (3). Pr. Min. grade of C in both ENGL 1010 and ENGL 1020 or HONR 1757 and HONR 1857, and junior standing. A history of popular film in the U.S. from the early 1950s through the present. Students become acquainted with the work and themes of some of America's significant film directors and major genres of American popular film.

4270. Studies in Shakespeare (3). Pr. Min. grade of C in both ENGL 1010 and ENGL 1020 or HONR 1757 and HONR 1857, junior standing. A study of the plays and/or poetry of William Shakespeare. The topic will vary from semester to semester at the discretion of the professor. Education majors seeking certification in English/Language Arts must first complete ENGL 2530 and ENGL 2540. May be offered concurrently with ENGL 6270.

- 4310. Poetry and Prose of the 17th Century (3). Pr. Min. grade of C in ENGL 1020 or HONR 1857, junior standing.** The nondramatic literature of the 17th century, with an emphasis on Milton, the Metaphysical poets and important prosewriters. May be offered concurrently with ENGL 6310.
- 4360. The Bible as Literature (3). Pr. Min. grade of C in both ENGL 1010 and ENGL 1020 or HONR 1757 and HONR 1857.** Historical-critical analysis of selected books from the Hebrew Bible (the Christian Old Testament) and/or the New Testament: their historical and social context, their composition and their meaning to their original audience. Provides an in-depth literary study of the Bible. May be offered concurrently with ENGL 6360. May be repeated once when topics vary.
- 4410. 18th-Century Poetry and Prose (3). Pr. Min. grade of C in ENGL 1020 or HONR 1857, junior standing.** Selected British poetry and prose from the Restoration to the mid-18th century. May be offered concurrently with ENGL 6410.
- 4510. The English Romantic Movement (3). Pr. Min. grade of C in ENGL 1020 or HONR 1857, junior standing.** A study of Romantic poetry from Blake through Keats. May be offered concurrently with ENGL 6510.
- 4530. British Fiction II (3). Pr. Min. grade of C in both ENGL 1010 and ENGL 1020 or HONR 1757 and HONR 1857, junior standing.** The major British poets and nonfiction writers from 1830 to 1900. Focus varies with each course offering. May be repeated once with the topics vary substantially. May be offered concurrently with ENGL 6500.
- 4550. Studies in Victorian Poetry and Prose (3). Pr. Min. grade of C in both ENGL 1010 and ENGL 1020 or HONR 1757 and HONR 1857, junior standing.** The major poets and nonfiction writers from 1830 to 1890. May be offered concurrently with ENGL 6550.
- 4620. Jewish Literature of the Holocaust (3). Pr. Min. grade of C in both ENGL 1010 and ENGL 1020 or HONR 1757 and HONR 1857, junior standing.** Introduction to Jewish literature of the Holocaust, with in-class writings on the perception of the Holocaust. May be offered concurrently with ENGL 6620.
- 4710. American Poetry (3). Pr. Min. grade of C in ENGL 1020 or HONR 1857, junior standing.** A study of major American poets; the focus to be announced at each scheduling of the course. May be offered concurrently with ENGL 6710.
- 4730. American Novel (3). Pr. Min. grade of C in ENGL 1020 or HONR 1857, junior standing.** A study of major contributions to the genre; the focus to be announced at each scheduling of the course. May be repeated twice when topics vary. May be offered concurrently with ENGL 6730.
- 4740. Studies in American Drama and Theater (3). Pr. Min. grade of C in ENGL 1020 or HONR 1857, junior standing.** Topics in the history and major developments of American dramatic literature and the stage. May be repeated twice when the topics vary. May be offered concurrently with ENGL 6740.
- 4750. Women and Literature (3). Pr. Min. grade of C in both ENGL 1010 and ENGL 1020 or HONR 1757 and HONR 1857.** A study of literary texts by and about women to investigate women's experiences in history and society. May be repeated twice when topics vary. May be offered concurrently with ENGL 6750.
- 4770. Studies in Southern Literature (3). Pr. Min. grade of C in both ENGL 1010 and ENGL 1020 or HONR 1757 and HONR 1857, junior standing.** Authors, works and literary movements associated with the American South, including Colonial writers, slavery and slave narratives, the Civil War, Southern Gothic or Southern women writers. May be repeated once for credit when topics vary. May be offered concurrently with ENGL 6770.
- 4780. Studies in Children's Literature (3). Pr. Min. grade of C in both ENGL 1010 and ENGL 1020 or HONR 1757 and HONR 1857, junior standing.** Topics on theme, genre, narrative, character, popular reception, publishing history and other subjects relating to literature written for young audiences. Focus varies with each course offering. May be repeated once when topics vary. May be offered concurrently with ENGL 6780.

4790. Ethnic Literature of the United States (3). Pr. Min. grade of C in both ENGL 1010 and ENGL 1020 or HONR 1757 and HONR 1857. A study of literary texts by and about ethnic writers in the United States to investigate minority experiences in American history and society. May be repeated twice when topics vary. May be offered concurrently with ENGL6790.

4820. Studies in American Literature (3-4). Pr. Min. grade of C in both ENGL 1010 and ENGL 1020 or HONR 1757 and HONR 1857, junior standing. Topics illustrating selected experiences, voices and themes of U.S. authors, including ethnic identities and literary movements. Focus varies with each course offering. May be repeated twice when the topics vary substantially. May be offered concurrently with ENGL 6820.

4830. Studies in British and American Literature (3). Pr. Min. grade of C in ENGL 1020 or HONR 1857, junior standing. Topics combining British and American literary works and examining themes, movements or other phenomena that illustrate trans-Atlantic connections. Focus varies with each course. May be repeated twice when topics vary. May be offered concurrently with ENGL 6830.

4840. Studies in Literary Form (3). Pr. Min. grade of C in both ENGL 1010 and ENGL 1020 or HONR 1757 and HONR 1857, junior standing. Topics in the development and artistry of a genre such as essay, autobiography, letter, travel narrative, literary biography or diary and journal. May be repeated twice when topics vary. May be offered concurrently with ENGL 6840.

4850. Studies in Drama (3). Pr. Min. grade of C in ENGL 1020 or HONR 1857, junior standing. Examination of a sub-genre or period of drama, such as tragedy, Restoration comedy, 18th-century British drama or modern drama, to be specified for each course scheduling. May be repeated twice when topics vary. May be offered concurrently with ENGL 6850.

4860. Studies in Medieval Literature (3). Pr. Min. grade of C in both ENGL 1010 and ENGL 1020 or HONR 1757 and HONR 1857, junior standing. A study of English and selected Continental literature from the Old English elegy through *Morte D'Arthur*. May be offered concurrently with ENGL 6860. May be repeated twice for credit when topics vary.

4870. Studies in British Literature (3). Pr. Min. grade of C in both ENGL 1010 and ENGL 1020 or HONR 1757 and HONR 1857. Topics illustrating selected experiences, voices and themes of British authors, including literary movements. Focus varies with each course offering. May be repeated twice when the topics vary substantially. May be offered concurrently with ENGL 6870.

4900. Independent Study (1-3). Pr. Min. grade of C in ENGL 1020 or HONR 1857, Junior standing. Variable content as determined by faculty member outside of the classroom setting.

4924. Internship in Writing and Editing (1-6). Pr. junior standing and 6 hours in upper-level rhetoric, writing, linguistics or editing courses, departmental approval. On-the-job training in editing, word processing, drafting or other duties of an assistant editor. The student's progress is monitored by a supervising professor.

4935. Directed Creative Writing (1-6). Pr. Min. grade of C in both ENGL 1010 and ENGL 1020 or HONR 1757 and HONR 1857, and ENGL 4010, ENGL 4020 or ENGL 4040, departmental approval. Advanced specialized creative writing course for students who have successfully completed ENGL 4010, ENGL 4020, or ENGL 4040. Students work individually or in small groups with the instructor on projects in poetry, fiction, or creative nonfiction. May be repeated twice when genres vary.

4950. English Studies Capstone (3). Pr. Min. grade of C in both ENGL 1010 and ENGL 1020, senior standing. Prepares senior English majors for graduation and career success via a research project in their area of interest and professionalization exercises.

4972. Special Topics in Research and Writing (1-3). Pr. Min. grade of C in both ENGL 1010 and ENGL 1020 or HONR 1757 and HONR 1857, junior standing and permission of instructor. Instruction and practice in specialized fields of research and writing, such as advanced scholarly projects, archival studies, computer research, grant proposals or community publications. Focus varies with each course. May be repeated for credit twice when topics vary.

4973. Editing and Editors (3). Pr. Min. grade of C in both ENGL 1010 and ENGL 1020 or HONR 1757 and HONR 1857, junior standing. Instruction and practice in editing in several styles for varied purposes. May at faculty discretion involve an internship or conferences with practicing editors. Emphasizes university press, trade book, feature magazine, and/or digital publishing. May be offered concurrently with ENGL 6973.

Entrepreneurship (ENTR)

3000. Creativity and Innovation (3). Pr. Min. grade of C in ECON 2010, INFO 2050, and ACCT 2010. Creativity and innovation are integral to an organization's ability to survive and thrive in today's competitive marketplace. This course provides students with an understanding of how creativity and innovation can be facilitated and managed in a work setting.

3300. New Venture Creation (3). Pr. Min. grade of C in ECON 2010, INFO 2050, and ACCT 2010. This course is an introduction to new venture creation. Emphasis will be placed on strategic and tactical objectives, as well as strategic variables critical to achieving success in a new venture.

4010. Entrepreneurship (3). Pr. Min. grade of C in: ENTR 3000, ENTR 3300, FINA 3500 (may be taken concurrently). Covers the entrepreneurial process from conception to birth of a new venture. Students learn how to evaluate and convert opportunities into a business. Students work in teams to write a business plan for a new business venture.

4924. Internship in Start Up Ventures (3). Pr. Department head approval; senior standing. In this course students will be paired with primarily community members focused on integrating the entrepreneurial tools they have developed in the context of a start-up venture. Major topics will include: enterprise launch, legal issues, financing, investor relations, and negotiation.

Environmental Science (ENSC)

1000. Introduction to Environmental Science (1). Introduction to the principles of environmental science, including the scientific method, ecology, energy, environmental policy, and an examination of current environmental issues. Emphasis will be placed on examining human activities and understanding their impacts on ecological systems.

2952. Seminar in Environmental Science (1) Pr. ENSC 1000. Students meet weekly to discuss assigned readings. Readings will vary from term to term. Students may be asked to write summaries, make presentations, or otherwise demonstrate mastery of the material. May be repeated for up to 4 hours of credit, but only 1 hour will apply to major requirements.

3700. Introductory Perspectives in Environmental Science (3). Pr. Min. grade of C in both BIOL 1010 and BIOL 1020 or BIOL 1017 and BIOL 1027. Allows students to study a current topic not offered in the basic environmental science curriculum at the introductory level. Topics will vary and times offered will be irregular. May be taken two times for credit as topics vary.

3760. The Environment and the Law (3). Pr. sophomore standing. Survey of U.S. environmental laws and enforcement processes, to include a review of the National Environmental Protection Act (NEPA), the Clean Water Act (CWA), the Clean Air Act (CAA), the Resource Conservation and Recovery Act (RCRA), and other laws.

4003. Species Distribution and Conservation (4). Pr. MATH 1050, MATH 1100, MATH 1120, MATH 1150, or MATH 1610. This course introduces students to the theoretical and practical aspects of species distribution modeling. Species distribution modeling describes/predicts the geographic distribution of organisms based on its associations with environmental parameters.

4013. Landscape Ecology (4). Pr. MATH 1050, MATH 1100, MATH 1120, MATH 1150, or MATH 1610. The key focus of this course is to understand how a diverse set of ecological processes change and interact across different spatial scales. This class will provide students with a broad overview of theoretical and applied issues within Landscape Ecology.

4030. Global Ecology (3). Pr. BIOL 1020 and BIOL 1021 or BIOL 1027 and BIOL 1028, sophomore standing or above. This course covers the interplay between physical and ecological factors, both biotic and abiotic, on the temporal and spatial distribution of species and biotas. The course covers a broad range of topics relating the origin, co-existence, and diversification of lineages through space and time to their physical environment. This has implications for understanding the processes governing past and future of Biodiversity.

4233. Tropical Disease, Environmental Change, and Human Health in Costa Rica (4). Accepted OTS students only. This course emphasizes the biological and ecological nature of tropical diseases, human health outcomes resulting from changes to weather and ecosystems, and how the health systems in place in different countries deal with these diseases. Instruction is based on field-based, experiential learning.

4413. Environmental Science and Policy in the Tropics (4). Accepted OTS students only. Part of a study abroad program in Costa Rica. Investigates issues facing tropical nations using concepts from the natural and physical sciences, the social sciences, and resource management.

4433. Conservation and Management of Protected Areas in South Africa (4). Accepted OTS students only. Part of a semester abroad course in South Africa. Management of wildlife and natural resources within the ecological, political, social, historical, and economic context of South Africa.

4443. South African Ecosystems and Diversity (4). Accepted OTS students only. Conceptual themes in ecology emphasizing savannas; also consideration of fynbos, Highveld, podocarp forests, coastal and intertidal zones. Topics include climate and geology of South Africa, roles of fire, drought, human presence, invasive species, and herbivores in shaping ecosystems.

4800. Perspectives in Environmental Science (3). Pr. Min. grade of C in both BIOL 1010 and BIOL 1011 or BIOL 1017 and BIOL 1018 AND BIOL 1020 and BIOL 2021 or BIOL 1027 and BIOL 2028. This course allows the student to study a current topic not offered in the basic environmental science curriculum. Topics will vary and times offered will be irregular. May be taken two times for credit as topics vary.

4801. Perspectives in Environmental Science Laboratory (1). Pr. Min. grade of C in both BIOL 1010 and BIOL 1011 or BIOL 1017 and BIOL 1018. This course allows the student to study a current laboratory topic not offered in the basic environmental science curriculum. Topics will vary and times offered will be irregular. This course is designed to complement ENSC 4800.

4924. Internship in ENSC (1-4). Pr. Junior or senior standing and department approval. Internship allows students to experience environmental science applications in a workplace for elective credit. Students will have both a faculty sponsor and a preceptor at the worksite. Grade is satisfactory or unsatisfactory.

4932. Directed Research in Environmental Science (1-4). Pr. Departmental approval. Undergraduate environmental science majors conduct research under supervision of Environmental Science Faculty. Faculty must agree to sponsor the research for 1-4 hours of elective credit.

4952. Environmental Science Capstone (3) Pr. ENGL 1010 or HONR 1757 C or better. A writing-intensive course required of all graduating seniors. Students may be asked to write term papers, make presentations, or prepare individual or group projects.

4970. Special Topics in Environmental Science (1-4). Instruction and discussion on a selected topic in Environmental Science. The course may be offered for 1-4 hours of elective credit.

Finance (FINA)

1000. Personal Money Management (3). This course covers principles of good money management including goal setting, personal budgeting, borrowing, credit scores, major purchases, saving and investing strategies, and insurance basics. Not counted as an elective for the finance major or minor. Open to all AUM students.

2000. Foundation of Business and Personal Finance (3). This course provides a foundation in business finance for students interested in enhancing their business knowledge and skills. Topics include the basics of financial statements, time value of money, bond and stock markets, and business project selection. This course may not be used to fulfill major degree requirements in the College of Business.

3210. Personal Risk Management and Insurance (3). Pr. Min. grad of C in both: MATH 1050 or MATH 1120 and ENGL 1020 or HONR 1857, junior standing. A study of the risk management process using personal lines of insurance, including auto, home, life, health and disability.

3230. Principles of Real Estate (3). Pr. Min. grad of C in: ACCT 2020, ECON 2020, ENGL 1020 or HONR 1857, and MATH 1050 or MATH 1120. A study of the fundamental principles and practices as applied to the purchase, sale, lease, mortgage, title and management of real estate.

3370. Personal Finance (3). Pr. Min. grade of C in: ENGL 1020 and ALEKS score of 46-60 or MATH 1020, MATH 1050, MATH 1100, MATH 1120, MATH 1150, or MATH 1610 or PHIL 2030. This course covers principles of good money management to help individuals achieve their goals. Topics include goal setting, personal budgeting, borrowing, credit scores, major purchases, saving and investing strategies, and insurance basics.

3500. Entrepreneurial Finance (3). Pr. Min. grade of C in FINA 3610. This course introduces financial thinking, tools, techniques, structures, sources, and strategies used in ventures. This course focuses on a life-cycle approach from start-up stages to becoming a public company. Appropriate financing models are also presented.

3610. Principles of Financial Management (3). Pr. Min. grade of C in: ACCT 2010, BUSN 3060, ECON 2020, INFO 2050, MNGT 2410, QMTD 2750, and MATH 1120 or MATH 1050. Introduction to financial management emphasizing applications of finance theory. Topics include financial analysis, relationship between risk and rate of return, stock and bond valuation, capital budgeting procedures and working capital management.

3620. Intermediate Financial Management (3). Pr. FINA 3610. An examination and application of finance theory, including valuation models, capital structure and dividend policy.

3650. Financial Institutions and Market (3). Pr. FINA 3610. A comprehensive study of financial institutions and markets of the economy in general.

4200. Financial Modeling (3). Pr. Min. grade of C in FINA 3610. In this hands-on course students learn to build and apply financial models for financial analysis and decision-making. Topics may include company valuation, asset pricing, portfolio optimization and lending decisions.

4600. Bank Management (3). A study of commercial bank operations and role in the global financial system. Topics include U.S. bank regulation, industry structure, management of assets, liabilities, capital, and analysis of bank financial statements.

4640. Investment Analysis and Portfolio Management (3). Examination of a broad range of investment alternatives with emphasis on those most suitable for individuals; introduction to concepts of risk, security valuation and market behavior.

4700. Short-Term Financial Management (3). Pr. FINA 3610. To provide an interior and integrated treatment of cash management concepts utilizing evaluation and cash flow time lines as integrating themes along with appropriate technology.

4750. International Finance (3). Pr. Min. grade of C in FINA 3610. Analysis of theories and practices of international finance. Emphasis is on international monetary system, foreign exchange markets, foreign risk exposure, international banking, foreign trade financing and management of multinationals. Duplicate credit not allowed for FINA 4750 and FINA 6750.

4800. Finance Seminar (3). Pr. FINA 3610, and FINA 3620. This course is designed to solidify the concepts and skills learned in corporate finance through the analysis of cases. Financial Forecasting, Cost of Capital, Rate of Return, Growth, DCF, Valuation, Mergers & Acquisitions, and Bankruptcy will be topics covered in various cases.

4900. Independent Study (1-3). Pr. junior standing, department head approval. Variable content as determined by faculty member outside of the classroom setting. May be repeated up to 6 hours.

4924. Internship in Finance (1-3). Pr. Department head approval. Provides students with the opportunity to gain valuable practical experience in the financial services sector so they may better correlate their academic experience with a professional. Business or major elective credit.

4970. Special Problems/Special Topics (3). Pr. junior standing. Variable content in finance within the classroom setting. May be repeated up to 6 hours.

Foundations of Education (FNDS)

2010. Social Foundations of Education (3). Pr. Min. grade of C in ENGL 1010 and ENGL 1020. Required for all students in teacher education; provides introduction to education, including historical and philosophical foundations; the role of the school in American culture; and ethical, legal and professional issues. This class will be taught as writing intensive. Field experiences are required.

2120. Child and Adolescent Growth and Development (3). Pr. FNDS 2010. Provides an analysis of the function of the teacher and the school in directing, measuring and evaluating individual growth and development from birth to adolescence.

2140. Educational Psychology (3). Pr. FNDS 2010. Required for completion of teacher education program. Examines the psychological dimensions of the education process, conditions under which learning occurs, evaluation of learning and related teaching methods. Field experiences are required. Writing intensive sections are four hours.

3200. Principles of Teaching in the Elementary Classroom (3). Pr. Admission to Professional Education. The course provides the elementary education candidate with experiences leading to the development of values, confidence, assertiveness skills, and decision-making skills in classroom management. Candidates develop a comprehensive management plan for first year teaching. Includes a field experience.

4010. Online/Internet Education Skills (3/4). Skills necessary to succeed when taking online/Internet courses. May be taught concurrently with FNDS 6010.

4800. Measurement and Evaluation (3). Pr. Admission to professional education. Methods, procedures and evaluative instruments for determining teaching effectiveness, pupil learning, an attainment of educational goals in cognitive, psychomotor and affective areas. May be taught concurrently with FNDS 6800.

4972. Research and Practices in Education (3). Special undergraduate research projects related to education. Maximum credit 15 hours.

French (FREN)

1010. Elementary French I (4). Basic language skills with emphasis on conversation. For students with less than two years of high school French. Exposure to culture. Multimedia computer lab required.

1020. Elementary French II (4). Pr. FREN 1010. Basic language skills with emphasis on conversation. Exposure to culture. Multimedia computer lab required.

2010. Intermediate French I (4). Pr. FREN 1020 or two or more years of high school French or departmental approval. Language skills, grammar review, reading in French culture, literature and history. Multimedia computer lab required.

2020. Intermediate French II (4). Pr. FREN 2010. Systematic review of problems in French grammar for speakers of English. Prepares students for conversation, composition and civilization in the third-year sequence. Multimedia computer lab required.

Geography/Geographic Information Systems – GIS (GEOG)

2050. Geography of World Regions (3). An analysis of world regional patterns of human and physical geographic characteristics. The course includes an examination of the twelve world regions: Europe, Russia, Central Asia, Middle East, North Africa, Sub-Saharan Africa, South Asia, East Asia, Southeast Asia, Oceania, Latin America, and North America.

2150. Human Geography (3). Analysis of the principles, concepts, and methods used in the study of human geography. Spatially examines contemporary world issues involving the geographies of population, urbanization, culture, development, resources, and political divisions.

3843. Cartography with Lab (4). This course is an introduction to mapping sciences and arts. Topics covered include the basics in mapping (scale, spatial reference systems, and projections), data acquisition and organization, key techniques for thematic mapping, and the principles of cartographic abstraction and design.

3853. Intro to Geographic Information Systems with Lab (4). Geographic Information Systems history and theory, spatial concepts, research design, computer cartography, data collection and entry, information, storage, relational database design, digitizing, raster/vector operations, GPS and GIS, remote sensing analysis, overlay operations, spatial statistics and predictive modeling, spatial queries, and GIS output.

3970. Special Topics in Geography (3). Pr. permission of instructor. Examines topics from a geographical perspective. Topics announced prior to the beginning of each semester. May be repeated for a maximum of 15 hours credit.

4103. GIS and Environmental Hazards (4). Pr. GEOG 3853. This course introduces students to core principles and concepts of vulnerability analysis, and the ways in which spatial analysis can illustrate and inform responses to environmental hazards. Lessons will be supplemented by hands-on learning in ArcGIS Pro to model spatial and temporal variability in dimensions of vulnerability such as exposure, sensitivity, and adaptive capacity.

4203. Open Source GIS and Web Mapping (4). Pr. GEOG 3853 or CSCI 1110. This course introduces core principles and concepts of open source Geographic Information Systems and web mapping. It emphasizes a hands-on learning approach to real-world problem solving. Students will learn to use a variety of open source GIS software packages and libraries to gather, manipulate, display and analyze spatial data. The course also prepares students to design, develop and implement custom web mapping applications using open standards and free software and APIs.

4683. Dynamic Systems Modeling with Lab (4). Pr. GEOG 3853 and GEOG 4913. This course introduces the theory, fundamental concepts, strategies, methods, and techniques used in dynamic systems modeling and simulation. You will learn how to build models of complex ecological, atmospheric, climatological, hydrological, geochemical, and human social systems. You will explore the basic concepts of systems modeling, use models to test hypotheses and assumptions, evaluate system behavior, and predict changes in systems under different variable and temporal conditions.

4783. Modeling Applications in GIS with Lab (4). Pr. GEOG 3853 and GEOG 4913. This course covers both the technology and application of observing earth from space as they pertain to environmental modeling and building predictive models to test assumptions about processual trends and projected development. The objectives of this course are to review the recent progress in the application of earth observation. Applications of earth observations will focus on natural resources but not limited to timberlands, water systems, lithosphere, atmosphere human habitation.

4873. Geographic Information Systems for Health Professionals with Lab (4) This course exposes students to methods and theory in GIS as applied to the geo-spatial distribution of wellness and healthcare. The course also investigates relationships between humans, diseases, healthcare providers, and physical environments.

4893. Geographic Information Systems and Environmental Management with Lab (4). This course provides students exposure to methods and theory in GIS as they apply to the analysis of relationships between humans and their environments whether physical or social. Study focuses on the role GIS plays in environmental management.

4913. Advanced Geographic Information Systems with Lab (4). Pr. GEOG 3853. Geographic Information Systems history and theory, spatial concepts, research design, computer cartography, data collection and entry, information, storage, relational database design, digitizing, raster/vector operations, GPS and GIS, remote sensing analysis, overlay operations, spatial statistics and predictive modeling, spatial queries, and GIS output.

4923. Python Scripting for Geographic Information Systems with Lab (4). Pr. GEOG 3853. This course provides students using geographic information systems the skills necessary to write script in Python program language to accomplish repetitive or iterative tasks and statistical calculations.

4924. Internship in Geographic Information Systems (1-3). Pr. Permission of instructor. Independent internship with a GIS professional. Provides students with an opportunity to gain valuable insight through practical GIS experiences in a workplace setting.

4933. Geographic Information Systems and Urban Studies w/Lab (4). A course in GIS applications in urban and community management, economic development, education, elections, districting, housing, and property evaluation, transit and transportation, land use and sustainability, crime analysis, emergency management, public works, utilities, and growth modeling.

4943. Remote Sensing (4). Pr. GEOG 3853. This course is an introduction to remote sensing technology. Lectures and lab exercises cover the basic theoretical and technical aspects of various remote sensing platforms and their integration with GPS and GIS to facilitate accurate characterization of the Earth's physical and human environment.

4952. Applied Research in Geographic Information Science and Systems with Lab (4). Pr. GEOG 3853, GEOG 4913, GEOG 4943. This is the capstone course for students seeking certification in GIS. The course provides an opportunity for students to demonstrate knowledge derived from four basic courses in GIS. Under faculty supervision, students design and carry out a major research project that incorporates topics relating to the history, philosophy, and science of spatial analysis.

4953. Spatial Statistics for GIS Professionals with Lab (4). Pr. GEOG 3853. This course informs the student on methods and theory for quantitative analysis within the GIS environment. The statistical methods taught in this course will enable the student to characterize geospatial distributions of geographic features and entities and verify casual relationships.

4963. 3D & Raster GIS with Lab (4). Pr. GEOG 3843, GEOG 3853, GEOG 4913. The methods, theory, and applications employed to develop 3D objects in the GIS environment. This course covers raster conversion of vector data, grid surface, terrain and hydrological modeling, statistical surfaces, view-shed analysis, distance and density surfaces, and 3D or 4D visualizations.

4970. Special Topics in Geography (4). Pr. GEOG 3843, GEOG 3853, GEOG 4913. An examination of selected topics from a geographical perspective. Topics will be announced prior to the beginning of the semester. May be repeated for a maximum of 6-credit hours.

4983. Geographic Information Systems Database Design (4). Pr. GEOG 3853. Course covers advanced operations in database framework design, data creation and management, topological editing, automated scripts, workflow optimization, and symbolization.

4993. Geographic Information Systems and Environmental Management with Lab (4). This course provides students exposure to methods and theory in GIS as they apply to the analysis of relationships between humans and their environments whether physical or social. Study focuses on the role GIS plays in environmental management.

German (GERM)

1010. Elementary German I (4). Fundamentals of German language skills stressed. Exposure to Germanic civilization. For students with no previous background or less than two years of high school German. Multi-media computer lab required.

1020. Elementary German II (4). Pr. GERM 1010. Review of basic German grammar and vocabulary. Fundamentals of German language skills with progressive emphasis on conversation. Fulfills the School of Liberal Arts foreign language core requirement. Multimedia computer lab required.

Health Sciences Interprofessional Collaboration (HSIC)

4150. Informatics (3). Pr. Faculty Approval. This course is not for Nursing Students. Introduction to informatics with a focus on application of healthcare information and computing technology. This is a writing intensive course.

History (HIST)

1010. World History I to 1648 (3). A survey of world civilization from prehistory to 1648.

1017. World History I to 1648, Honors (3). Enhanced version of HIST 1010.

1020. World History II Since 1648 (3). A survey of world civilization from 1648 to the present.

1027. World History II Since 1648, Honors (3). Enhanced version of HIST 1020.

1060. History of the Western World I (3). Survey of the Western World from prehistory to 1600.

1067. History of the Western World I, Honors (3). An enhanced version of HIST 1060.

1070. History of the Western World II (3). Survey of the Western World from 1600 to the modern era.

1077. History of the Western World II, Honors (3). An enhanced version of HIST 1070.

- 1080. United States History to 1865 (3).** A survey of the political, economic, social and intellectual movements and institutions of the United States from colonial times to 1865.
- 1090. United States History Since 1865 (3).** A survey of the political, economic, social and intellectual movements and institutions of the United States from 1865 to the present.
- 2000. History Workshop (3).** An introduction to the academic study of history. Students will learn to use library and archival resources, analyze and utilize documents, write book reviews and short research papers, and cite sources correctly. Students will also learn about different fields of history. Required for majors.
- 2017. United States History to 1865, Honors (3).** To offer Honors credit in U.S. History, just as is currently done for World History, particularly with U.S. History as a core course.
- 2027. United States History Since 1865, Honors (3).** To offer Honors credit in U.S. History, just as is currently done for World History, particularly with U.S. History as a core course.
- 2030. Imperial Russia to 1861 (3).** A survey of Russian history from the rise of Kiev to the Emancipation of 1861. Traces Russian expansion under the leadership of Muscovy, focusing on Peter the Great, Catherine the Great and Russian involvement with Europe in the 19th-century. Concurrent with HIST 6560.
- 2040. Russia and the Soviet Union (3).** Survey of Russian history since 1861, examining the rise of a revolutionary movement and the development of the Communist state; including Soviet culture, foreign policy, governmental and economic structures. Concurrent with HIST 6570.
- 2050 The American South to 1865 (3). Pr. sophomore standing.** A study of the growth and development of the distinctive political, economic, social, cultural and ideological patterns of the South from 1607 to 1865. Concurrent with HIST 6010.
- 2060. The American South Since 1865 (3). Pr. sophomore standing.** A study of the continuing growth and development of the distinctive political, economic, social, cultural and ideological patterns of the South since the end of the Civil War. Concurrent with HIST 6020.
- 2070. The History of Alabama (3).** Survey of the social, political, and economic development of Alabama from the colonial era to the present.
- 2090. Modern China, 1644-Present (3).** A study of the political, economic and cultural developments of China from the Qing dynasty to the People's Republic, focusing on the search by the Nationalist and Communist Parties for means to create an independent and modern nation.
- 2120. Africa Since 1800 (3).** A study of Africa in the last two centuries, focusing on the abolition of the slave trade, the colonial era, African nationalism, decolonization and independent Africa's progress and problems.
- 2130. Europe from the Crusades to the Black Death (3).** Examines the major, political, religious and social themes of the Middle Ages, 1000-1500.
- 3000. Prehistory of North America (3). Pr. ANTH 2110 or ANTH 2120.** Pre-history of North America, emphasizing peopling of the New World, earliest American Indian cultures and later regional developments from Pleistocene times until European exploration and conquest. (Same as ANTH 3000.)
- 3010. Colonial America, 1607-1763 (3).** A study of the development of the political, social, economic and intellectual growth of colonial America.
- 3020. The American Revolution, 1763-1789 (3).** A study of the events that led to the break with the mother country and the creation of an independent United States.

- 3030. The New American Nation, 1789-1846 (3).** A study of the early decades of the American Republic, tracing the expansion of the country and the development of national institutions.
- 3040. The Civil War and Reconstruction, 1846-1877 (3).** A study of the great crisis of the American nation, from the emergence of the issue of slavery in the territories through the Civil War to the end of Reconstruction.
- 3070. Recent America, 1953-present (3).** A study of the political, social and economic development of the United States since the presidency of Dwight D. Eisenhower.
- 3100. American Military History (3). Pr. junior standing.** A study of U.S. military policy, strategy and tactics from 1775 to the present.
- 3110. The Western Way of War, 1775-1920 (3). Pr. junior standing.** Examines and compares the major wars and military trends in Europe and the United States. Special focus on how the revolutionary forces of nationalism, democracy, and industrialization contributed to the emergence of modern and total warfare.
- 3130. American Labor History (3). Pr. HIST 1090.** This course examines the rise and fall of organized labor in the United States from a political, economic, social and legal perspective. Particular attention is given to labor's struggle with management.
- 3150. East Europe in the 20th-Century (3). Pr. junior standing.** An examination of the history of East Central Europe from World War I to the collapse of the communist regimes. Emphasis on comparative political and socio-economic development.
- 3210. Greek Civilization (3).** A study of Greek civilization from the Mycenaean era through the Hellenistic Golden Age to the incorporation of the Greek states into the Roman Empire. Emphasis is on the development of political, scientific, philosophic and literary concepts.
- 3220. The Roman World (3).** A study of Rome from the founding of the Roman Republic in 509 B.C.E. to the fall of the Western Roman Empire in 476 CE, with emphasis on the development of Roman political, legal, intellectual and religious ideas.
- 3230. The Fall of Rome to the Rise of Christendom (3).** Examines the evolution of Classical, Graeco-Roman culture and society into the culture and society of the Early Middle Ages, ca. 200-ca-1000, including treatment of the rise of Christianity and the Roman response, Charlemagne, and barbarian and Viking invasions.
- 3270. Vietnam (3). Pr. junior standing.** An analysis of both traditional Vietnamese culture and the character of French and American involvement in the country.
- 3280. Racial Segregation in South Africa (3).** An examination of South Africa's legalized system of racial discrimination from its origins in the 1940s to its demise in the 1990s. Concurrent with HIST 6650.
- 3310. Ancient Philosophy (3). Pr. HIST 1010 or HIST 1020.** A study of the Pre-Socratics, Plato, Aristotle and the philosophies of Epicureanism, Stoicism and Skepticism. (Same as PHIL 3310.)
- 3320. Medieval Philosophy (3). Pr. HIST 1010, HIST 1020.** A study of Augustine, John Scotus, Abelard, Thomas, Duns Scotus, William of Occam and other philosophers of the Middle Ages. (Same as PHIL 3320.)
- 3330. Modern Philosophy (3). Pr. HIST 1010 or HIST 1020.** A study of major philosophers of the period, including Descartes, Spinoza, Leibniz, Locke, Berkeley, Hume, and Kant. (Same as PHIL 3330.)
- 3340. 20th-Century Philosophy (3). Pr. HIST 1010 or HIST 1020.** A study of major philosophers of last century, including Moore, Russell, Wittgenstein, Carnap, Ayer and Sartre. (Same as PHIL 3340.)

- 3350. History of American Slavery (3). Pr. junior standing.** A survey of slavery in America from its introduction to the Civil War, with particular attention to the social structure and lives of black Americans and slavery's impact upon community life, politics and culture.
- 3360. The African American Experience since Emancipation (3). Pr. junior standing.** A study of the experience of American blacks since the end of the Civil War, including Reconstruction and the Civil Rights movement.
- 3670. Africa to 1800 (3).** A survey of the political, social and economic development of Africa and its interaction with other regions of the world from the origins of humankind to the Atlantic slave trade.
- 3710. Imperial China to 1644 (3).** A survey of Chinese history from classical antiquity to 1644, emphasizing social, political, economic and intellectual developments in the imperial period. Designed to introduce basic concepts of traditional China.
- 3740. Pre-modern Japan to 1850 (3).** An introduction to pre-1850 Japan, focusing on long-range social developments and the linkages between higher culture, polity, economy and environment.
- 3750. Modern Japan, 1850-Present (3).** A study of the political, social, cultural and economic aspects in the making of modern Japan.
- 3800. New World Civilizations (3). Pr. ANTH 2110.** A survey of the prehistory of Mexico, Peru and adjacent areas, tracing the development of state-level societies from the earliest inhabitants to European contact. The Teotihuacan, Aztec, Mayan and Peruvian cultures emphasized. (Same as ANTH 3800.)
- 3970. Special Topics in History (3).** Special topics in historical periods or themes. Consult Schedule of Classes for current offerings.
- 4060. World War I (3).** A study of World War I, its origins, military aspects and social, economic, political and intellectual consequences. The focus is on Europe and the United States.
- 4070. World War II (3).** A study of World War II, its origins, military aspects and social, economic, political and intellectual consequences. The focus is on Europe, the United States and Asia.
- 4080. American Intellectual History to 1865 (3). Pr. junior standing.** Study of perceptions, ideas and values in American culture from colonial times to the Civil War. Primary sources emphasized.
- 4090. American Intellectual History Since 1865 (3). Pr. junior standing.** A study of perceptions, ideas and values in American culture since 1865 with a special emphasis on change and disruption. Primary sources emphasized.
- 4140. History of American Business (3). Pr. junior standing.** A survey of the development of capitalist enterprise in the United States from the first European settlements to the present, including an examination of the impact of capitalist change upon society.
- 4150. American Diplomatic History (3). Pr. junior standing.** A survey of the principal forces bearing on the relationships between the United States and other countries from 1776 to the present.
- 4180. The Cold War (3).** The course examines the rise and fall of the conflict between the United States and the Soviet Union after the end of World War Two with focus on the origins of the confrontation, its expansion from Europe to the Third World, and the reasons for its demise.
- 4190. American Historiography (3). Pr. HIST 2000.** A study of the development of historical writing in the United States, with emphasis on how particular scholars and schools of thought have had an impact on the intellectual life of the nation.

4230. Women in Medieval Society (3). Pr. junior standing. Examines religious, political and social roles of women in the Middle Ages from about 500 to 1500. Lectures and discussion format with in-class essay exams and analytical papers.

4290. Non-American Historiography (3). Pr. junior standing. A study of the development of historical writing outside the United States, with emphasis on how particular scholars and schools of thought have had an impact on the intellectual life of western civilization.

4320. The Reformation (3). Pr. junior standing. Examines religious and political background of the Reformation; the Roman and German churches; Martin Luther and the German Reformation; the French, Swiss and English Reformations; the Radical Reformation; and the Catholic Reformation.

4340. Medieval England (3). Pr. junior standing. A study of the Middle Ages in England, especially the post-Conquest period, examining political, social, economic and religious institutions and changes up to the Tudor period in 1485.

4360. Tudor-Stuart England (3). Pr. junior standing. A study of the England of Henry VIII, Elizabeth I and James I, or more broadly, the 16th and 17th-centuries, with emphasis on social, political, economic, constitutional, religious and intellectual changes of lasting effect.

4380. Modern Britain (3). Pr. junior standing. A study of the economic, social, political and cultural forces contributing to the development of contemporary Britain.

4530. Russia's Road to Revolution (3). Pr. Min. grade of C in both ENGL 1010 and ENGL 1020. This class will explore Russia's path to revolution, roughly, from 1700-1917, with an emphasis on the intellectual movements and literature of the nineteenth century and the rise of revolutionary movements. Lecture and discussion based.

4550. History of Russian-American Relations (3). Pr. Min. grade of C in both ENGL 1010 and ENGL 1020 or HONR 1757 and HONR 1857. This course will look at Russian-American relations from early contact through the Cold War. We will also look at the way each country viewed the other in popular culture. Many people think that the relationship between these two countries has always been contentious, but this is not the case.

4580. Technology in the Soviet Union (3). Pr. junior standing. Explores the role of science and technology in Soviet ideology and policy and the precarious place of scientists and technical/ industrial specialists during the Soviet period, as well as effects of these programs/policies on humans and the environment.

4600. The Russian Revolution (3). Pr. Min. grade of C in both ENGL 1010 and ENGL 1020. This course will explore the origins, events, and aftermath of the Russian Revolution of 1917, both in Russia and around the world. Though there will be some lectures to create context, this class will be seminar style and discussion-based.

4640. South African History (3). Pr. Min. grade of C in ENGL 1020. A study of the political, social and economic development of South Africa from the birth of a multiracial society in the 17th-century to the end of apartheid.

4660. The Life and Times of Nelson Mandela (3). Pr. ENGL 1010 and ENGL 1020. A study of Nelson Mandela and the struggle for racial equality in South Africa, covering Mandela's early activism, imprisonment, efforts to achieve democracy upon his release, and his status as an international icon.

4690. Contemporary Africa (3). Pr. Min. grade of C in ENGL 1020. A study of the key political, economic and social trends in Africa during the last 10 to 15 years.

4730. A History of Chinese Communism (3). Pr. junior standing. An analysis of the Chinese Communists, rise to power and the political and social changes that have occurred since establishment of the People's Republic in 1949.

4924. Internship in History (3). Provides students with the opportunity to gain valuable insight through practical experiences using history in a workplace setting.

4930. Historical Methods (3). An examination of the techniques and methods employed in the research and writing of history with an emphasis on developing research skills using archival sources and government documents. Also an emphasis on development computer skills, including word processing and data base research.

4962. Readings in History (3). Pr. junior standing. Special reading tutorials or independent research projects may be proposed by students with a 3.0 GPA or better in history courses. Concurrent with HIST 6962.

4972. Advanced Special Topics in History (3). Pr. junior standing. Special advanced reading tutorials or independent research projects may be proposed by students with a 3.0 GPA or better in history courses. Concurrent with HIST6972.

History American Sign Language (HASL)

1010. American Sign Language I (4). An introduction to the basic skills in production and comprehension of American Sign Language (ASL), including the manual alphabet and numbers. Develops conversational ability and culturally appropriate behaviors, and exposes students to ASL grammar.

1020. American Sign Language II (4). Pr. HASL 1010 or instructor approval. Designed to further develop comprehension and production abilities in American Sign Language (ASL). Lessons are designed around recognition and demonstration of more sophisticated grammatical features of ASL with focus on increasing fluency and accuracy. Cultural awareness of the Deaf communities of the world is also instilled.

Homeland Security and Emergency Management (HSEM)

2200. Introduction to Homeland Security (3). Introduction to homeland security focusing on the areas of prevention, protection, response/recovery, communications, and technology; an introduction to terrorism, including its history and evolution; examination of contemporary homeland security topics.

2320. Introduction to Emergency Management (3). Introduces concepts of emergency management. Students gain general understanding of how natural and man-made disasters threaten communities; explore role of emergency management and activities taken during the various phases of emergency management; mitigation, preparedness, response, and recovery.

3400. Public and Social Media Information Management (3). Pr. HSEM 2320. Considers value of communication before, during and after an incident; helps Public Information Officers identify critical audiences; emphasizes need to manage public information, approaches to keep the public informed during emergencies; how to guide media during man-made or natural disasters.

4200. Disaster Preparedness (3). Pr. HSEM 2320. Addresses principles of effective disaster response and recovery operations. Examines nature of disasters, roles and responsibilities of various actors. Addresses approaches to disaster management, range of needs of affected populations, and challenges of first responders and emergency manager.

4330. Terrorism and Fear (3). Pr. HSEM 2200. This course provides a broad overview of psychological effects of terrorism, including the generalized fear and anxiety experienced by the public.

4370. Crisis Intervention (3). Pr. HSEM 2320. Basic theories and principles of crisis intervention. Identifying and demonstrating techniques for intervening in various types of disaster and emergency management crisis situations. Examines assessment and diagnosis of psychological issues commonly found in crisis situations.

4390. Intelligence and Information Dissemination (3). Pr. HSEM 2200. Examines questions and issues facing U.S. intelligence community and its role in homeland security and defense. Studies policy, various issues affecting policy, oversight, and intelligence support to homeland defense/security and national decision-making. State and local levels also considered.

Human Resource Management (HRSM)

3150. Human Resource Management (3). Pr. Appropriate grade in MNGT 3380 and BUSN 3060 or MNGT 2000, junior standing. Managing human resources effectively to implement organizational strategies and achieve objectives. The strategic role of human resources and the management of human resource planning, selection, training, performance evaluation, compensation, safety and labor/management relations.

4000. Compensation Management (3). Pr. Appropriate grade in HRSM 3150, upper division standing. The design and maintenance of employee pay and benefits systems that contribute to the effective implementation of organizational strategy. Emphasis upon internal equity, external competitiveness, employee motivation, ease of administration, legality and budgetary issues in compensation management.

4050. Employment Law (3). Pr. Appropriate grade in HRSM 3150, upper division standing. Examination of topics including wage and hour legislation, equal employment opportunity and civil rights, employee benefits and insurance, workers' compensation, occupational safety and health laws and employees' personal rights.

4440. Labor/Management Relations (3). Pr. Appropriate grade in HRSM 3150, upper division standing. Managing labor/employee relations in union/nonunion organizations for high performance; labor relations strategy, employee/management rights, collective bargaining, contract administration, dispute resolution and the legal environment.

4500. Managing Reward Systems (3). Pr. Appropriate grade in HRSM 3150. This course stresses the importance of linking reward systems and organizational strategies to improve outcomes. Various approaches to compensate employees are explained. Also, designing, implementing and administering reward systems for organizations are covered.

4600. Employee Recruitment, Selection and Appraisal (3). Pr. Appropriate grade in HRSM 3150, upper division standing. The theoretical and practical aspects of administering a staffing program. Topics include recruitment strategies, job analysis, psychometric theory and selection methods. In addition, the course covers the construction and administration of legally defensible performance appraisals.

4610. Training, Development and Risk Management (3). Pr. Appropriate grade in HRSM 3150, upper division standing. The theoretical and practical aspects of designing and administering a training and development program. Topics include needs assessment, training methods, evaluation, development safety and health.

4890. Strategic Human Resource Management (3). Pr. Appropriate grade in HRSM 3150 and HRSM 4440 OR HRSM 4500 and HRSM 4600 OR HRSM 4610. This capstone course emphasizes how the management of human resources fosters the implementation of business strategies to achieve organizational goals. It will include case studies and exercises, HR in practice, important current issues, and guest speakers in the human resources field. It also will include global HRM; the role of HRM in organizational change, mergers and acquisitions; the HR professional as a consultant; and other important topics such as HR performance metrics and sustainability. The course also will focus upon how the HR manager can serve as a strategic partner in an organization.

4900. Independent Study (1-3). Pr. junior standing, department head approval. Variable content as determined by faculty member outside of the classroom setting. May be repeated up to 6 hours.

4924. Internship in Human Resource Management (1-3). Pr. Department head approval. Provides students with the opportunity to gain valuable insight through practical human resource management experience so they may better correlate their academic experience with a professional, real-world environment. Business or human resource management elective credit.

4970. Special Problems (3). Pr. junior standing. Variable content in human resource management within the classroom setting. May be repeated up to 6 hours.

Information Systems (INFO)

2000. Foundations of Management Information Systems (3). This course introduces the management of information systems. The development, management, control, protection, and maintenance of information systems is covered from both technical and non-technical/user perspective. The strategic impact of technology on the individual, organization and society is examined. This course may not be used to fulfill major degree requirements in the College of Business.

2010. Java I (3). Pr. Min. grade of C in INFO 2050 and MATH 1050 or MATH 1120 or MATH 1150. An introduction to the Java programming language. It includes coverage of Java fundamentals, program control, classes and objects presentation, and Graphical User Interface development.

2050. Computer Applications in Business (3). This course is designed to provide the student with knowledge and experience with Microsoft Office applications for use in better decision-making. It should increase the student's productivity through the use of computer resources as demonstrated by the completion and submission of selected computer assignments in areas requiring the usage of an operating system, a word processor, a spreadsheet, a database, and presentation software.

2070. Introduction to Management Information Systems (3). Pr. CSCI 1000 and INFO 2050 or equivalent, or permission of the dean. Introduction to the management of information computer-based systems. The development, management, control, protection and maintenance of information systems is covered from both the technical and non-technical/user perspective. The strategic impact on the individual organization and society is examined.

2100. Network Operating Systems (3). Pr. Min. grade of C in INFO 2050 or department head approval. An introduction to network and multi-user operating systems using UNIX with a focus on system administration. The course includes system security. Some coverage is given to administration in Windows.

2200. Object Oriented Design Fundamentals (3). Pr. Department head approval. An introduction to object-oriented design concepts. Emphasis is on design of software using non-programming development tools like Alice.

2210. C++ I (3). Pr. Min. grade of C in: MATH 1050 or MATH 1120 or MATH 1150. An introduction to the C++ programming language. It includes coverage of structured and object-oriented programming in C++, software reuse, and component-oriented software construction.

2300. COBOL I (3). Pr. INFO 2070. Introduction to COBOL with programming problems and systems of increasing complexity. Include development of program logic, structured programming concepts and history of COBOL applications. Emphasis is on logic and COBOL language and structure.

2410. Visual Basic I (3). Pr. Min. grade of C in: ENGL 1020 or HONR 1857 and MATH 1050 or MATH 1120 or MATH 1150. An introduction to the Visual Basic language. Includes control structures, arrays and strings.

- 3010. Java II (3). Pr. Min. grade of C in INFO 2010.** Advanced programming concepts and techniques in the Java language. Includes advanced data structures, exception handling, inheritance, polymorphism, web applications and database applications.
- 3070. Managing Systems, Technology, and Data (3). Pr. Min. grade of C in: ACCT 2020, ECON 2020, INFO 2050, QMTD 2750, MNGT 2410, BUSN 3060, and MATH 1050, or MATH 1120 or MATH 1150.** Introduces the management information systems concepts from an enterprise-wide perspective by exploring the integration of information systems to support real-time decision making in a global business environment with an emphasis on creating, collecting, and analyzing data in current information systems.
- 3100. Information Technology Applications (3). Pr. Min. grade of C in INFO 3070 and MATH 1050 or MATH 1120 or MATH 1150.** A survey of applications of computerized management information systems in operations management. Includes the application of business software to problems in operational areas of management.
- 3210. C++ II (3). Pr. Min. grade of C in INFO 2210.** Advanced programming in the C++ language. Includes object-oriented programming, data structures and GUI programming.
- 3310. COBOL II (3). Pr. Min. grade of C in INFO 2300.** Advanced programming in the COBOL language. Includes data structures, file management and object oriented programming.
- 3410. Visual Basic II (3). Pr. INFO 2410 or INFO 3500.** Advanced programming in the Visual Basic language. Includes object-oriented programming, data structures and GUI programming.
- 3500. Survey of Computer Languages (3). Pr. INFO 2070, junior standing.** A study of specialized languages as they are applied to business information processing.
- 3550. Data Structures (3). Pr. Min. grade of C in: INFO 2300 or INFO 2210 or INFO 3500.** The study of structures and techniques used in representing and operating the logical relationship among elements of information. Examines the methods by which higher level languages implement such structures and facilitate such techniques.
- 3560. Database Systems (3). Pr. Min. grade of C in INFO 3070.** An initial study of database systems with a focus primarily on relational databases and SQL. The data-base concepts, data modeling, and database implementation will be covered.
- 3620. Advanced Programming Concepts (3). Pr. Min. grade of C in INFO 2300, and INFO 3500, junior standing.** A continuation of INFO 2300 and INFO 3500. Addresses advanced file techniques, sub-programs, linking to modules written in other languages, overlay structures, object oriented libraries and network functionality.
- 3700. Data Communications (3). Pr. Min. grade of C in INFO 3070.** This course is designed to provide students with an understanding of the technical and management aspects of business data communications and network management. Students will gain an understanding of how the wired and wireless infrastructures work, how the internet works, and how applications use networks.
- 3800. Web Application Development (3). Pr. Min. grade of C in INFO 2010.** This course will introduce modern approach to Web development that prepares students to design web pages with W3C standard. HTML5 is covered in detail for building web pages using a web page development environment.
- 3810. Mobile Application Development (3).** Development of applications for mobile devices on multiple platforms.

3890. Introduction to Software Management (3). Pr. Min. grade of C in INFO 3560, junior standing. A study of the principles of software management, software development methodology, paradigms and techniques. Practice of the principles of software management through application to an actual software management case.

3950. Project Management Foundations (3). Pr. MNGT 3380 and upper division standing. This course teaches project management principles, phases, processes, and planning across a variety of organizations, industries, and stakeholder groups. This course also explores the various careers associated with project management.

4000. Network Design and Administration (3). Pr. Min. grade of C in INFO 3700, senior standing. Introduces the responsibilities and skills for a network administrator. Integration of a company's telecommunications systems, including local area, metropolitan area, wide area and voice networks. An introduction to telecommunications and data communications network designs.

4100. Data Storage Technology Concepts (3). Pr. Min. grade of C in INFO 3700, senior standing. An overview of technologies and methodologies used to electronically store and manage data using Storage Area Network, Network Attached Storage and other technologies. Students will learn the architectures, features, and benefits of intelligent storage systems; storage networking technologies such as FC SAN, IP SAN and NAS and object-based and unified storage; business community solutions such as backup and replication; the increasingly critical area of information security and management, and the emerging field of Cloud computing. The course combines lecture and labs. Duplicate credit is not allowed for both INFO 4100 and INFO 6140.

4150. Advanced Data Storage Technology Concepts (3). Pr. Min. grade of C in INFO 4100. Advanced concepts, technologies and methodologies used to electronically store and manage data using Storage Area Network, Network Attached Storage and other technologies. The structure of the course combines lecture and labs. Duplicate credit is not allowed for INFO 4150 and INFO 6150.

4200. Disaster Recovery and Contingency Planning (3). Pr. Min. grade of C INFO 3070, senior standing. This course identifies fundamental planning principles and practices used to develop and maintain an effective IT contingency and disaster recovery plan. This course provides a foundation for evaluating information systems and organizational operations to determine contingency requirements and priorities needed to develop a disaster recovery plan. Duplicate credit is not allowed for both INFO 6200 and INFO 4200.

4300. E-Commerce and Data Communications (3). Pr. Min. grade of C in: INFO 3070 and ENGL 1020 or HONR 1857, and MATH 1050 or MATH 1120 or MATH 1150. Covers the tools, technologies and social and business implications of electronic commerce via the Internet. Also includes the management of network resources, as well as the legal and security issues associated with conducting business over the Internet. Duplicate credit is not allowed for both INFO 4300 and INFO 6300.

4400. Network Security and Legal Issues (3). Pr. Min. grade of C in INFO 3700, senior standing. Security and control aspects of distributed data networks with particular reference to both global and national information infrastructures. Underlying security technologies considered for the protection of enterprise networks. Course also covers current legislation affecting network security and management.

4410. Advanced Network Security. Pr. Min. grade of C in INFO 4400. In-depth look at information security concepts and apply them through a variety of hands-on exercises. Through the assigned readings and lab exercises, students will develop critical thinking and technical skills within the domain of information security. This course equips the student with a portfolio of skills that lay a foundation to become a competent, professional information systems practitioner and manager.

4560. Database Administration (3). Pr. Min. grade of C in INFO 2100 and INFO 3560. A study of the administrative issues of database systems. Course covers installation of database systems, creation and enforcement of access controls, backup and recovery techniques and optimization and tuning. Duplicate credit is not allowed for both INFO 4560 and INFO 6560.

4600. Systems Analysis (3). Pr. INFO 2300 or INFO 2010 or INFO 3200 or INFO 3400 or INFO 3500 or department head approval, junior standing. Analysis and initial design of information flow systems for management control and decision-making, including coordination of flows from all functional area of the business enterprise.

4650. Computer Simulation for Business Decisions (3). Pr. Min. grade of C in: INFO 3070 and ENGL 1020 or HONR 1857, and MATH 1050 or MATH 1120 or MATH 1150. Introduction to numerical techniques necessary for conducting experiments on a digital computer, which involves certain types of mathematical or logical models that describe the behavior of a business or economic system.

4700. Systems Design and Implementation (3). Pr. Min. grade of C in INFO 3560 and INFO 4600, senior standing. Application of computer programming and system development concepts, principles and practices to system development design. Topics include I/O specifications, program coding, file organization, implementation and testing, documentation and performance measurement and control.

4750. Software Quality Assurance I (3). Pr. INFO 3890, senior standing. A study of basic concepts of configuration management and its role in controlling software evolution, maintaining product integrity, change control and version control and organizational structures for configuration management.

4780. Systems Analysis, Design and Implementation (3). Pr. Min. grade of C in: INFO 2010 and INFO 3560, senior standing. Analysis, design and implementation of information flows for management control and decision-making. Use of systems development concepts, principles and practices with emphasis on problem identification, requirements structuring, and solution generation in theory and in a business project.

4800. Information Systems Project Management (3). Pr. Min. grade of C in INFO 2010 INFO 3560 and INFO 3700, senior standing. Introduces the concepts and practices of information systems (IS) project management. Develops knowledge of how to successfully plan and manage IS projects including the ability to define project scope, create workable project plans, and manage projects with quality, budget, and schedule in mind. Addresses the organizational, managerial, and political issues associated with project management.

4850. Software Quality Assurance II (3). Pr. Min. grade of C in INFO 4750, senior standing. A study of methods and techniques for elementary proof of correctness, code and design reading, structured walkthroughs and test plans including test plan generation, acceptance testing, unit testing, integration testing and regression testing.

4900. Independent Study (1-3). Pr. junior standing, department head approval. Variable content as determined by faculty outside of the classroom setting. May be repeated up to 6 hours.

4920. Professional Internship (3). Pr. Department head approval. Provides students with practical experience using various computer applications within a professional, real-world environment.

4924. Internship in Information Systems (1-3). Pr. Department head approval. Provides students with the opportunity to gain valuable insight through practical information systems experience so they may better correlate their academic experience with a professional, real-world environment. Business or information systems elective credit.

4970. Special Problems/Special Topics (3). Pr. junior standing. Variable content in information systems within the classroom setting. May be repeated up to 6 hours.

5300. E-Commerce and Mobile Technologies (3). This course will enable the student to understand the current state of e-business and follow its new development, identify e-business opportunities and develop business models for such opportunities, and examine the importance of e-shopping, social media, mobile computer, and consumer adoption.

5550. Data Mining Methods and Application (3). This course will examine the process of data preparation, mining methods, and how to mine data using current programming tools. Topics include data selection, cleaning, coding, using different data mining and machine learning techniques, and visualization of the generated structures. Students will develop hands on experience developing supervised and unsupervised data mining algorithms and will learn how to employ these techniques in context of various business applications.

5860 Managing Sustainability (3). This course is designed to expose students to current thinking regarding sustainability and its implications for organizations and their managers. It will cover key issues such as green technologies, hazardous technological material disposal, recycling strategies and other environmental issues.

5880 Data Analytics for Competitive Advantage (3). This course is an introduction to the use of Business Analytics and big data as a strategic resource. A focus is placed on integrating the knowledge of analytics tools with an understanding of how companies leverage data analytics to gain strategic advantage. The key areas of customer analytics and surveys of data mining techniques and applications will also be covered. Case approach is used to emphasize hands-on learning and a real-world view of Business and big data analytics.

Instructional Technology (INST)

1000. Introduction to Computer Literacy (1). Education majors only. Fundamental computer skills are covered. The SOE electronic portfolio system is introduced and students set up SOE e-portfolio and contribute introductory information. Mac and PC platforms are used.

4703. Educational Technology (3). Provides an overview of the materials and skills needed to use computers effectively in an educational setting. Students will become familiar with the use of new technologies and the programming languages most often used in educational settings.

Interdisciplinary Studies (IDSC)

2000. Introduction to Interdisciplinary Studies (1-3). An introduction to Interdisciplinary Studies and the methods and skills crucial to conduct interdisciplinary research.

3000. Interdisciplinary Studies Directed Research (1-3). Individualized study of a research topic or question requiring engagement with multiple disciplines.

4000. Interdisciplinary Studies Capstone (3) Pr. Senior standing. For Interdisciplinary Studies majors only. Production of a major interdisciplinary project and other projects that demonstrate command of subject matter and/or methods.

4924. Interdisciplinary Studies Internship (1-3). Pr. junior standing, For Interdisciplinary Studies majors only. On the job training for students pursuing a degree in Interdisciplinary Studies. The student's progress is monitored by a supervising professor.

International Studies (INTL)

3010. Special Topics in International Studies (3). Focus announced at each scheduling of the course. May be repeated for credit as topic changes. (May be taught in English or in target language.)

4924. Internship in World Languages and Cultures (3-6). Pr. Junior status, departmental approval. Provides students an opportunity to gain insight and practical experience through developing/using world language skills in a workplace setting.

Japanese (JAPN)

1010. Elementary Japanese I (4). This course aims to develop communicative skills based on the fundamentals of grammar, vocabulary, and conversational expressions. Speaking, listening, reading and writing will be developed, including the Hiragana and Katakana writing systems, and about 170 Kanji (Chinese characters).

1020. Elementary Japanese II (4). Pr. JAPN 1010. This course furthers the development of communicative skills based on the fundamentals of grammar, vocabulary, and conversational expressions. Speaking, listening, reading, and writing will be developed, including the Hiragana and Katakana writing systems.

Kinesiology - See Physical Education

Latin (LATN)

1010. Elementary Latin I (4). For students with little or no knowledge of Latin. Fundamentals of reading and writing classical Latin literature.

1020. Elementary Latin II (4). Pr. LATN 1010 or departmental approval. Continuation of introduction to the knowledge and skills necessary for reading classical Latin.

Less Commonly Taught Languages (TLFL)

1010. Special Topics in Foreign Language Study 1 (4). Written proficiency in modern language not routinely taught at AUM will receive credit in passing. Contact coordinator of International Studies for details.

Management (MNGT)

2000. Essentials of Management (3). Non-business majors only. Application of management principles in organizations. Includes evolution of management theory, planning and goal setting, leadership organization theory, authority and group relations, motivation theory, communication, directing, decision making and managerial controls.

2410. Legal Environment of Business (3). Pr. Min. grade of C in ENGL 1010. Structure and operation of the legal system and its relationship to the modern business environment.

3380. Managing Organizational Behavior (3). Pr. Min. grade C in: ACCT 2020, ECON 2020, INFO 2050, QMTD 2750, MNGT 2410, and BUSN 3060, and MATH 1050, MATH 1120, or MATH 1150. This management course requires students to focus on managing individuals in organizations, specifically focusing on organizational behavior and human resource management. This course will cover the principles for managing the performance of individuals and groups in organizations, along with organizational behavior theory and its application to staffing, training, compensation, and appraisal.

3420. Legal Aspects of Business Management (3). Pr. Min. grade of C in ENGL 1020 or HONR 1857, and MATH 1050, MATH 1120 or MATH 1150. Legal principles for business persons and accountants, covering secured transactions, real property and negotiable instruments. Special emphasis is placed on the laws applicable to agencies (including the employer-employee relationship), partnerships and corporations.

3460. Organizational Behavior (3). Pr. Min. grade C in: ACCT 2020, ECON 2020, INFO 2050, QMTD 2750, MNGT 2410, and BUSN 3060 and MATH 1050, MATH 1120, MATH 1150 or MATH 1610. Basic grounding in the behavior sciences related to the management of people in organizations, the theories of managing employees and managerial practices that enhance the effective leadership and motivation of employees.

4100. Business Ethics (3). Pr. MNGT 3380. Research, discussion and evaluation of current ethical issues in business today. Designed to stimulate thought and discussion among business majors concerning the day-to-day ethical problems and decisions of the business world.

4250. Managing Diversity (3). Pr. MNGT 3380, upper division standing. An in-depth examination of the impact that employee diversity has on individuals, businesses and society. The course encourages students to look positively at all types of differences and view them as opportunities.

4390. Small Business (3). Pr. ECON 2010, ECON 2020, FINA 3610, MNGT 3380, MKTG 3310. Focuses on selected elements and issues which are critical to the success of starting and managing a small business, including getting started in a business, franchising opportunities, business plans, financial sources, etc.

4500. Leadership for a Changing World (3). Pr. MNGT 3380, upper division standing. Covers the most current management practices needed for organizational survival and excellence. Topics include reengineering, managing cultural change, managing innovation in a learning organization, teamwork and autonomous work groups.

4670. Organizational Change and Development (3). Pr. MNGT 3460. Concentrates on providing students with understanding, knowledge, skills and techniques to help individuals facilitate change in organizations. Strategies and tactics used in organizational and social developments in the past will be critically examined for their relevance to the future.

4750. International Business Management (3). Pr. MNGT 3380, upper division standing. Shows how economic and financial factors influence the strategy formulation and management of a firm wishing to engage in international trade. Topics include managing culture's consequences, global human resource management, managing multinational enterprise and global strategic management.

4760. International Law (3). Pr. Min. grade of C in: ENGL 1020 or HONR 1857, and MATH 1050, MATH 1120, MATH 1150 or MATH 1610. A survey of domestic and foreign laws and treaties as they affect international business transactions.

4800. Strategic Management (3). Pr. Min. grade C in: ACCT 2020, ECON 2020, INFO 2050, QMTD 2750, MNGT 2410, BUSN 3060, INFO 3070, FINA 3610. MKTG 3310, MNGT 3380, QMTD 3380, and MATH 1120, MATH 1150, or MATH 1610, senior standing. Capstone course in the College of Business integrating the knowledge gained in the core business curriculum. Students develop the ability to think about how an organization can gain sustainable competitive advantage by crafting a business strategy.

4900. Independent Study (1-3). Pr. junior standing, department head approval. Variable content as determined by faculty member outside of the classroom setting. May be repeated up to 6 hours.

4924. Internship in Management (1-3). Pr. Department head approval. Provides students with the opportunity to gain valuable insight through practical management experience so they may better correlate their academic experience with a professional, real-world environment. Business or management elective credit.

4970. Special Problems/Special Topics (3). Pr. junior standing. Variable content in management within the classroom setting. May be repeated up to 6 hours.

5300. Issues in Sustainability (3). Environmental issues regarding sustainability have become increasingly salient and important for all organizations as concerns increase regarding the environment in general. This course is designed to expose students to current thinking regarding sustainability and its implications for organizations and their managers. The course also covers the key issues of sustainable development in both the public sector and the private sector, green standards and practices, and strategic implications of sustainability. Students are given the opportunity to explore a sustainable development issue of interest to them in the context of a group project.

5400 Managing the Legal Environment (3). The essential features of managing the legal environment of a business, including the legal system and the law of contracts, employment and labor law and so forth, as they relate to the management function of U.S. and international business transactions.

5410 Ethical/Social Responsibility (3). Analysis of current ethical and social responsibility issues. Emphasis on the evaluation of ethical problems and social responsibility challenges facing business leaders.

5600 Staffing Organizations (3). An in-depth study of the human resource management staffing function. Course work includes job analysis, performance evaluation, recruitment, statistical bases of selection, selection techniques, costing selection effectiveness and legal issues in staffing.

Marketing (MKTG)

2000. Marketing Fundamentals (3). This course provides a clear understanding of the total marketing process, the institutions involved, the marketing functions they perform, and the markets they serve. This course will not substitute for MKTG 3310. This course may not be used to fulfill major degree requirements in the College of Business. For non-business majors only.

3310. Principles of Marketing (3). Pr. Min. grade of C in: ACCT 2020, ECON 2020, INFO 2050, QMTD 2750, MNGT 2410, BUSN 3060, INFO 3070, and MATH 1050, MATH 1120, or MATH 1150. A survey of the field of marketing and its role within an organization. Examines marketing concepts, terms and management. Includes the areas of product development, distribution, promotion and pricing.

3420. Issues in Marketing (3). Pr. Min. grade of C in MKTG 3310. Seminar on current and future concerns and issues in the field of marketing.

4340. Purchasing (3). Pr. Min. grade of C in MKTG 3310. Objectives, control and the direction of industrial purchasing.

4360. Marketing Research (3). Pr. Min. grade of C in MKTG 3310. The scientific examination of marketing phenomena to enhance a manager's ability to make better decisions by generating, transmitting and interpreting consumer and environmental information used to identify and define marketing opportunities.

4380. Retailing (3). Pr. Min. grade of C in MKTG 3310. A survey of the nature, managerial procedures and results of trade at the retail level.

4390. Sport and Event Marketing (3). Pr. Min. grade of C in MKTG 3310. Provides a practical look at the unique characteristics of the sports industry and their impact on the strategic approach to the marketing of sports and other events, to include pricing, determining the right event/sponsor, branding and maintaining relationships among parties involved.

4400. Professional Selling and Sales Management (3). Pr. Min. grade of C in MKTG 2000 or MKTG 3310. Treats sales as an entry-level and career opportunity. Focus is on building and managing long-term customer relationships as a key marketing strategy. Study of managing sales people and their role as managers. Students prepare and deliver sales presentations.

4410. Buyer Behavior (3). Pr. Min. grade of C in MKTG 3310 or MKTG 2000. Introduces the student to concepts and theories as they relate to consumer and business markets. This will include an analysis of internal and external influences on exchange decision making process. The frameworks are discussed in context of advertising/promotion, product management and the development of effective marketing strategies.

4420. Supply Chain Management (3). Pr. Min. grade of C in MKTG 3310. A systematic examination of the domestic and international logistics activities and business processes associated with the flow of information and goods from the raw material source to the ultimate consumer.

4500. Direct Marketing (3). Pr. Min. grade of C in MKTG 3310. Management of non-personal promotional methods designed to secure immediate response from the customer. Includes direct mail, space advertising, telemarketing, television and catalogs. Attention to implementing direct marketing and merging it with traditional personal selling and promotional methods.

4600. Services Marketing (3). Pr. Min. grade of C in MKTG 3310. The course examines the unique characteristics of service organization and the increasingly vital role they play in the U.S. economy. This course stresses the importance of tailoring marketing strategies to fit the special needs of service marketers, needs quite different from those of manufacturing organizations.

4650. International Marketing (3). Pr. Min. grade of C in MKTG 3310. Covers the role of marketing in the global arena and the impact of culture, law, policies, ethics and other environmental variables on strategies for marketing goods and services in a global market.

4700. Sales Management (3). Pr. Min. grade of C in MKTG 4400. This course focuses on helping students understand first-line sales management issues including territory management, hiring, selection and training, motivating and rewarding the sales force, coaching and sales planning.

4740. Print Media Advertising (3). Pr. Min. grade of C in MKTG 4320. Principles and processes in evaluating and using print media for advertising. Introduction to layout and design.

4780. Marketing Strategy (3). Pr. Min. grade of C in MKTG 4360 and MKTG 4410; Senior standing. Planning and development of marketing strategies including opportunities assessment and competitive analysis. Focus on application to present the student with major marketing decision areas. Examines traditional and contemporary marketing strategy alternatives.

4830. Strategic Promotion Campaign (3). Pr. Min. grade of C in MKTG 3310. A team-based applied course designed to develop promotional campaigns, including advertising, for local organizations. Focus is on linking advertising agencies, account development and creative execution elements across the marketing promotion mix. Same as COMM 4830.

4900. Independent Study (1-3). Pr. junior standing, department head approval. Variable content as determined by faculty member outside of the classroom setting. May be repeated up to 6 hours.

4924. Internship in Marketing (1-3). Pr. Department head approval. Provides students with the opportunity to gain valuable insight through practical marketing experience so they may better correlate their academic experience with a professional, real-world environment. Business or marketing elective credit.

4970. Special Problems/Special Topics (3). Pr. Min. grade of C in MKTG 3310, junior standing. Variable content within the classroom setting in the marketing or transportation area. May be repeated up to 6 hours.

Mathematics (MATH)

0002. Math Accel/Placement Course (0). Topics include whole numbers, fractions, and decimals; percents, proportions, and geometry; signed numbers, linear equations, and inequalities; lines and systems of linear equations; relations and functions; integer exponents and factoring; quadratic and polynomial functions; rational expressions and functions; radicals and rational exponents; exponentials and logarithms; and trigonometry.

0700. Elementary Algebra (3). Co-requisite: MATH 0701. Fundamental operations in arithmetic and algebra. Numbers and their properties; integers and rational numbers; solving equations; polynomials and factoring. Credit is in addition to minimum degree requirements.

0701. Elementary Algebra Lab (1). Co-requisite: MATH 0700. Designed to supplement MATH 0700 by providing instruction, practice time, and assistance in a computer lab environment. Credit for this course required to receive a passing grade in the corresponding MATH 0700. Credit for this course is in addition to minimum degree requirements.

0703. Elementary Algebra (3). Fundamental operations in arithmetic and algebra. Numbers and their properties; integers and rational numbers; solving equations; polynomials and factoring; an introduction to systems and graphs. Credit for this course is in addition to minimum degree requirements.

0800. Intermediate Algebra (4). Pr. Min. grade of C# in MATH 0700; OR MPT Level Min. of 2; OR ACT Math Min. Score of 18; OR SAT Math Min. Score of 440. Co-requisite MATH 0801. Designed to help students develop basic skills in algebra. Topics include sets, real numbers, polynomials, algebraic fractions, exponents, roots, radicals, linear equations and inequalities, quadratic equations, functions and graphing, and an introduction to systems of equations and graphs. Credit is in addition to minimum degree requirements.

0801. Intermediate Algebra (1). Min. grade of C in MATH 0700; OR MPT Level Min. of 2; OR ACT Math Min. Score of 18; OR SAT Math Min. Score of 440. Co-requisite MATH 0800. Designed to supplement MATH 0800 by providing instruction, practice time, and assistance in a computer lab environment. Credit for this course required to receive a passing grade in the corresponding MATH 0800. Credit for this course is in addition to minimum degree requirements.

0803. Intermediate Algebra (4). Pr. Min. grade of C# in either Math 0700 or MATH 703, or Math Placement Level min. test score of 2, or ACT Math min. score of 18, or SAT Math min. score of 440 (pre 3/2016) or 500 (post 3/2016), or ALEKS Math placement min. test score of 30. Designed to help students develop basic skills in algebra. Topics include sets, real numbers, polynomials, algebraic fractions, exponents, roots, radicals, linear equations and inequalities, quadratic equations, graphing, and an introduction to systems of equations and graphs. Credit for this course is in addition to minimum degree requirements.

0902. Fundamentals of Algebra (Accelerated) (4). Pr. ACT Math score under 20 OR ALEKS placement test score under 41. Designed to help students develop basic skills in algebra in preparation for college-level mathematics courses. Topics include sets, real numbers, polynomials and factoring, algebraic fractions, exponents, roots, radicals, linear equations and inequalities, quadratic equations, functions and graphing, and an introduction to systems of equations and graphs.

0903. Fundamentals of Algebra II (0). Pr. F# in MATH 0902. Math 0903 is intended for students to complete the course MATH 0902 in a second semester if they cannot complete MATH 0902 in the previous semester. MATH 0902 is taught using a self-paced emporium model. In MATH 0902, students are required to achieve certain mastery level to move on to the next topic. If a student cannot complete MATH 0902 in one semester, they will need to register in MATH 0903. Students in MATH 0903 will start from where they left in MATH 0902.

1020. Contemporary Mathematics (3). Pr. Min. grade of C# in: MATH 0800 and Math 0801 or MATH 0803 or MATH 0902 or MATH 903 OR ALEKS Test score of 46 OR (ALEKS Test score of 41 with co-requisite MATH 1022) OR ACT Math 22 OR (ACT Math 20 with co-requisite MATH 1022) OR SAT Math score of 520 (pre 3/2016) or SAT Math score of 550 (post 3/2016). Co-req. MATH 1102 if (ACT 20 or 21 OR ALEKS 41-45). Primarily for non-STEM students. Upon completion, student will understand/apply concepts such as: applications of linear algebra, simple/ compound interest in loans, mortgages, and retirement funds, probability and odds, area, perimeter, and both correct use and misuse of statistics. Set theory, linear equations and inequalities with applications, geometry, consumer math, probability, and descriptive statistics.

1022. Co-requisite Support for Contemporary Mathematics (1). Pr. ACT Math 20 OR SAT Math 480 (pre 3/2016) or SAT Math 530 (post 3/2016) OR ALEKS placement min. score of 41. Co-req. Math 1020. Math 1022 provides just-in-time review of relevant skills needed for successful completion of MATH 1020. Topics may include whole numbers, fractions, and decimals; percents, proportions, and geometry; signed numbers, linear equations, and inequalities; lines and systems of linear equations; relations and functions; integer exponents and factoring; quadratic and polynomial functions; rational expressions and functions; radicals and rational exponents; exponentials and logarithms; and trig.

1027. Contemporary Mathematics (HONR) (3). Pr. Min. grade of C# in: MATH 0803 or MATH 0902 or MATH 0903 OR ACT Math Score of 22, or (ACT Math score of 20 with co-requisite MATH 1022), OR SAT Math 550 or (SAT MATH 530 with co-requisite MATH 1022) AND admission to the University Honor Program. Primarily for non-STEM students. Topics include set theory, linear equations and inequalities with applications, geometry, consumer math, probability, and descriptive statistics. Upon completion, student will understand/apply concepts such as: applications of linear algebra, simple/compound interest in loans, mortgages, and retirement funds, probability and odds, area, perimeter, and both correct use and misuse of statistics.

1050. College Algebra (3). Pr. Min. grade of C# in either MATH 0800 or MATH 0803 or MATH 0902 or MATH 903 OR ACT Math min. test score of 22, or (ACT Math min. test score of 20 AND MATH 1052) or Math Placement level test min. score of 4 or SAT Math min. score of 520 (pre 3/2016) or 550 (post 3/2016), OR ALEKS math placement min. score of 46 or (ALEKS math placement score of 41 AND MATH 1052). Primarily for students who will not continue to Calculus I. Main topics include a basic review, polynomial, rational, inverse, exponential, and logarithmic functions and their applications in business and science, inequalities, and systems of equations.

1052. Co-requisite support for College Algebra (1). Pr. ACT MATH score of 20 or SAT MATH score of 480 (pre 3/2016) or 530 (post 3/2016) or ALEKS math placement score of 41. Co-req. MATH 1050. Provides just-in-time review of relevant mathematics skills needed for successful completion of MATH 1050. Topics include whole numbers, fractions, and decimals; percents, and geometry; signed numbers, linear equations, and inequalities; lines and systems of linear equations; relations and functions; integer exponents and factoring; quadratic and polynomial functions; rational expressions and functions; radicals and rational exponents; exponentials and logarithms; and trigonometry. Credit is in addition to minimum degree requirements.

1057. College Algebra (HONR) (3). Pr. Min. grade of C# in either MATH 0803 or MATH 0902 or MATH 0903 or ACT Math 22, or ACT MATH 20 with co-requisite MATH 1022, or SAT 550 or SAT MATH 530 with co-requisite MATH 1020 AND admission to the University Honor Program. Primarily for students who will not continue on to Calculus I. Main topics include a basic review of elementary and intermediate algebra, polynomial, rational, inverse, exponential, and logarithmic functions and their applications in business and science, inequalities, and systems of equations.

1100. Finite Mathematics (3). Pr. Min. grade of C# in MATH 0800 or MATH 0803 or MATH 0902 or MATH 0903 or min. grade of C in MATH 1050 or min. grade of D in MATH 1120 or MATH 1150 or MATH 1610 or ACT Math min. test score of 22, or (ACT Math min. test score of 20 AND MATH 1102) or Math placement level test min. score of 4 or SAT Math min. score of 520 (pre 3/2016) or 550 (post 3/2016), OR ALEKS math placement min. score of 46 or (ALEKS math placement min. score of 41 AND MATH 1102). Sets, counting, permutations, combinations, basic probability, Bayes' theorem, descriptive statistics, binomial and normal distributions, matrices, applications of matrices to Markov chains and decision theory. Additional topics as time allows.

1102. Co-requisite support or Finite Mathematics (1). Pr. ACT MATH score 20 or SAT MATH score of 480 (pre 3/2016) or 530 (post 3/2016) or ALEKS math placement min. score of 41. Co-req. MATH 1100.

Provides just-in-time review of relevant mathematics skills needed for successful completion of MATH 1100. Topics include whole numbers, fractions, and decimals; percents, proportions, and geometry; signed numbers, linear equations, and inequalities; lines and systems of linear equations; relations and functions; integer exponents and factoring; quadratic and polynomial functions; rational expressions and functions; radicals and rational exponents; exponentials and logarithms; and trigonometry. Credit is in addition to minimum degree requirements.

1120. Precalculus Algebra (3). Pr. Min. grade of B# in (MATH 0803, MATH 0902 or MATH 0903 or ACT MATH min. score of 22 or SAT min. score of 520 (pre 3/2016) or 550 (post 3/2016) or ALEKS math placement min. score of 61) or (MATH 1122 and min. grade of C# in MATH 0803 or MATH 0902 or MATH 0903 or ALEKS math placement min. score of 46). Primarily for students who intend to continue to MATH 1150 or do not require calculus. Polynomial, rational, exponential, and logarithmic functions; systems of equations and inequalities; quadratic inequalities; the Binomial Theorem. Additional topics may include matrices, Cramer's Rule, and mathematical induction.

1122. Corequisite for Precalculus Algebra (1). Pr. Min. C# in either MATH 0803 or MATH 0902 or MATH 0903 OR ACT Math subscore 22 OR SAT Math subscore 520 (pre 3/2016) or 550 (post 3/2016) OR ALEKS math placement test score 46. Co-req. MATH 1120. Math 1122 provides just-in-time review of relevant mathematics skills needed for successful completion of MATH 1120. Topics include fractions, and decimals; percents, proportions, and geometry; signed numbers, linear equations, and inequalities; lines and systems of linear equations; relations and functions; integer exponents and factoring; quadratic and polynomial functions; rational expressions and functions; radicals and rational exponents; exponentials and logarithms; and trigonometry.

1150. Precalculus, Algebra and Trigonometry (4). Pr. Min. grade of B# in: MATH 0800 or MATH 0803, or MATH 0902, or MATH 0903, or Min. grade of C in MATH 1050 or min. grade of D in MATH 1120 or ACT Math min. test score of 23 or Math Placement Level test core of 5 or SAT Math min. score of 540 (pre 3/2016) or 565 (post 3/2016) or ALEKS math placement min. score of 66. Provides a foundation for calculus. Principle topics are polynomial, rational, exponential and logarithmic functions; systems of equations and inequalities; Binominal Theorem; trigonometric and inverse trigonometric functions; solving triangles; trigonometric identities and equations; DeMoivre's theorem, polar coordinates and vectors.

1310. Mathematics for Elementary Education I (3). Pr. MATH 1020 or MATH 1050 or MATH 1100 or MATH 1120. The first in a two-course sequence covering mathematical concepts taught in elementary schools. Emphasizes numeration. Topics include problem solving; numeration with whole numbers; concepts, computations, properties and models of arithmetic operations on whole numbers, integers and fractions; factorization.

1320. Mathematics for Elementary Education II (3). Pr. MATH 1310. A continuation of MATH 1310; emphasizes geometry. Topics include decimals, percentage, scientific notation; geometric figures in two and three dimensions; rigid motions and congruence; measurement of lengths, areas, volumes, angles; metric system; construction with ruler and compass; similar figures.

1510. Survey of Calculus (3). Pr. MATH 1120 or MATH 1150 or ACT Math min. score of 25 or Math Placement Level test min. score of 6 or SAT Math min. score of 580 (pre 3/2016) or 600 (post 3/2106) or ALEKS Math placement test min. score of 71. Basic principles of differential and integral calculus, including the Fundamental Theorem of Calculus. Includes applications in the management, natural and social sciences, including rates and optimization. Duplicate credit not allowed for MATH 1510 and MATH 1610.

1550. Trigonometry (2). Pr. Min. grade of C in MATH 1050 OR MATH 1120; OR MPT Level Min. of 5; OR ACT Math Min. Score of 23; OR SAT Math Min. Score of 540 (pre 3/2016) or 565 (post 3/2016), OR ALEKS Math placement score min. 66. This course and MATH 1120 complete the prerequisites for Calculus I. Analytic and geometric properties of trigonometric and inverse trigonometric functions; identities and equations; sum and difference formula; laws of sines and cosines; applications, including vectors and solving triangles. Does not satisfy the core requirement in mathematics.

1610. Calculus I (4). Pr. (MATH 1120 and MATH 1550) OR (MATH 1120 and MATH 1150) OR (MPT Level Min. of 6 and MATH 1150) OR MPT Level Min. of 7; OR ACT Math Min. Score of 26 OR SAT Math Min. Score of 600 (pre 3/2016) or 620 (post 3/2016) or ALEKS Math Placement test min. score of 76. Basic principles of differential and integral calculus, including the Fundamental Theorem of Calculus. Includes applications in the management, natural and social sciences, including rates and optimization. Duplicate credit not allowed for MATH 1510 and MATH 1610.

1620. Calculus II (4). Pr. MATH 1610. A continuation of MATH 1610 Calculus I. Applications of the definite integral, techniques of integration, indeterminate forms, improper integrals, polar coordinates, numerical integration, infinite series, Taylor's Theorem and power series.

2200. Biostatistics (3). Pr. MATH 1100 or MATH 1120 or MATH 1150. Introduces students to statistical techniques commonly used in research and includes estimation and hypothesis testing, ANOVA, linear and non-linear regression and non-parametric statistics. Extensive use of computer exercises allows students to fulfill their requirement for computer literacy. A maximum of 3 hours' credit for QMTD 2740, BIOL/MATH 2200, STAT 2670 and MATH 2680 may be applied towards graduation requirements for Math and Computer Science Majors.

2630. Multivariable Calculus (4). Pr. MATH 1620. A continuation of MATH 1620 Calculus II. Vectors and curvilinear motion; partial derivatives; gradient and its applications; multivariable Chain Rule; maxima and minima, including Lagrange multipliers; double and triple integration; line integrals; Green's Theorem; surface integrals; Divergence Theorem; Stokes' Theorem.

2660. Linear Algebra (3). Pr. MATH 1620. Algebra of Matrices, systems of linear equations, vector spaces, subspaces, bases, coordinization, linear transformations and their matrix representations, determinants, eigenvalues and diagonalization.

2672. Co-requisite support for Elementary Statistics (1). Pr. ACT Math score of 20 or SAT MATH score of 480 (pre 3/2016) or 530 (post 3/2016) or ALEKS Math placement min. score of 41. Provides just-in-time review of relevant mathematics skills needed for successful completion of STAT 2670. Topics include whole numbers, fractions and decimals; percents, proportions, and geometry; signed numbers, linear equations, and inequalities; lines and systems of linear equations; relations and functions; integer exponents and factoring; quadratic and polynomial functions; rational expressions and functions; radicals and rational exponents; exponentials and logarithms; and trigonometry. Credit is in addition to minimum degree requirements.

3000. Introduction to Higher Math (3). Pr. MATH 1610 and ENGL 1010. Topics will include sets, functions, logic, techniques of proof, mathematical induction, the Euclidean Algorithm, modular arithmetic, and equivalence relations, and other topics chosen by the instructor. A primary objective of the course will be to teach students how to read and write a proof.

3660. Applied Linear Algebra (3). Pr. MATH 1610 AND CSCI 1100 or CSCI 1210 or CSCI 2000 or STAT 3000). Solving linear systems, matrices, determinants, matrix algebra, bases, linear transformations, eigenvectors, matrix decompositions, applications.

3670. Advanced Statistics (3). Pr. STAT 2670. Correlation and regression, analysis of variance, nonparametric methods, multivariate analysis. Emphasis on applications. Includes introduction to statistical computing using SAS. Duplicate credit not allowed for MATH 3670 and QMTD 2750.

3690. Ordinary Differential Equations (3). Pr. MATH 1620. First-order differential equations, higher-order, linear differential equations, including infinite series solutions, Laplacetransforms, systems of linear differential equations and applications.

4040. Introduction to Cryptography (3). Pr. MATH 1620. This course explores code making and code breaking techniques. Topics include symmetric and public key cryptography, digital signature schemes, message authentication, key exchange protocols, statistical methods of cryptanalysis, and fundamentals of information theory and entropy.

4050. Theory of Formal Languages (3). Mathematical models of regular sets, context-free languages and Turing machines; deterministic and non-deterministic models, closure properties, normal forms and applications.

4110. History of Mathematics (3). Pr. MATH 1620 AND MATH 3000. A first course beginning with Babylonian and Egyptian mathematics, including the contributions of the Greeks and the development of elementary mathematics through calculus.

4200. Discrete Mathematics (3). Pr. MATH 3000 AND MATH 2660. Combinatorial reasoning and problem solving, including graph theory, counting principles, permutations and combinations and combinatorial modeling.

4210. Analysis I (3). Pr. MATH 3000 AND MATH 2660 or MATH 3660. The Least Upper Bound axiom and order properties of the real line, sequences, series, continuous functions, fixed point theory. Emphasis on the development of proofs by students.

4220. Analysis II (3). Pr. MATH 4210. A continuation of MATH 4210. Limits, derivatives, theory of the Riemann integral, sequences of functions, uniform convergence and power series. Emphasis on the development of proofs by students.

4230. Complex Variables (3). Pr. MATH 2630 AND MATH 3000. Complex numbers, limits, differentiation, analytic functions, integration, conformal mappings and applications.

4300. Number Theory (3). Pr. MATH 3000 AND MATH 2660 or MATH 3660. Mathematics of the integers, divisibility, primes, unique factorization, congruences and residues, Diophantine problems and number theoretic functions.

4310. Modern Algebra I (3). Pr. MATH 3000 AND MATH 2660 or MATH 3660. An introduction to algebraic structures. Binary operations, groups, subgroups, groups of permutations, cyclic groups, normal subgroups, quotient groups, homomorphisms and isomorphisms, rings, integral domains, fields.

4320. Modern Algebra II (3). Pr. MATH 4310. A continuation of MATH 4310. Ideals and quotient rings, ring homomorphisms, rings of polynomials, factorization, Euclidean rings, extension fields, selected additional topics.

4400. Mathematical Models and Simulations (3). Pr. MATH 2660 or MATH 3660. Use of models and simulation for solving problems in applied mathematics. Techniques of setting up, solving and interpreting models as well as an introduction to selected standard models.

4470. Foundations of Plane Geometry (3). Pr. MATH 3000 AND MATH 1620. Axiomatic development of plane geometry. Emphasis on the development of proofs by students.

4500. Topology (3). Pr. MATH 3000 AND MATH 2630. Metric spaces, continuity, sequences, equivalent metrics, topological spaces and homeomorphisms, products, connectedness and compactness. Offered when there is sufficient demand.

4600. Numerical Analysis I (3). Pr. MATH 2660 or MATH 3660, significant fluency in a programming language, familiarity with FORTRAN. Number systems and error propagation, solutions of nonlinear equations, acceleration of convergence, polynomial and spline interpolation, numerical integration and differentiation, efficient direct solution of systems of linear equations, PLU factorization of matrices and matrix norms and condition numbers.

4610. Numerical Analysis II (3). Pr. MATH 4600. Iterative solutions of large systems of linear equations, numerical solutions of eigen-value problems for linear systems, numerical solutions of boundary value problems for ordinary differential equations, numerical solution of systems of ordinary differential equations and least square approximation.

4690. Mathematical Methods in Engineering and Physics (3). Pr. MATH 2690 or MATH 3690 AND MATH 2630. Sturm-Liouville problems with special functions, Fourier series and integrals, partial differential equations, including hyperbolic, parabolic and elliptic equations with applications and Fourier and Laplace transform methods.

4924. Mathematics Science Internship (1-3). Pr. Permission of Instructor. Qualified students will be jointly supervised by faculty and mathematics science professionals. Internship allows students to gain industrial work experience.

4932. Directed Mathematics Research (1-3). Pr. Permission of Instructor. Qualified students will be supervised by faculty to conduct mathematics research. Directed research allows students to gain research experience in solving real world problems.

4950. Senior Seminar in Mathematics (1). Pr. MATH 3000 AND one of the MATH 4000-level courses: 4040, 4050, 4110, 4200, 4210, 4300, 4310, 4400, 4470, 4600, or 4760) AND senior status. Student is guided in the presentation of a technical topic and completes an appropriate assessment test in college-level mathematics. Occupational and employment information and guidance offered.

4970. Special Topics in Mathematics (1-3). Pr. Permission of instructor. An individual topics or problems course. Student works under the direction of a staff member on a mathematical topic or problem of mutual interest. With permission from the department head, may be taken on a pass/fail basis.

5110. History of Mathematics (3). Pr. Min. grade of C in MATH 1620 and MATH 3000. A first course beginning with Babylonian and Egyptian mathematics, including the contributions of the Greeks and the development of elementary mathematics through calculus.

5200. Discrete Mathematics (3). Pr. Min. grad of C in: MATH 3000 and MATH 2660 Combinatorial reasoning and problem solving, including graph theory, counting principles, permutations and combinations and combinatorial modeling.

5210. Analysis I (3). Pr. Min. grade of C in: MATH 2660 AND MATH 3000. The Least Upper Bound axiom and order properties of the real line; sequences, series; continuous functions; fixed point theory. Emphasis on the development of proofs by students.

5220. Analysis II (3). Pr. Min. grade of C in MATH 5210. A continuation of MATH 5210 Analysis I. Limits; theory of the Riemann integral; sequences of functions; uniform convergence; power series. Emphasis on the development of proofs by students.

5230. Complex Variables (3). Pr. Min. grade of C in: MATH 2630 AND MATH 3000. Complex numbers, limits, differentiation, analytic functions, integration, conformal mappings and applications.

5300. Number Theory (3). Pr. Min. grade of C in: MATH 2600 AND MATH 3000. Mathematics of the integers; divisibility, primes, unique factorization; congruences and residues; Diophantine problems; and number theoretic functions.

5310. Modern Algebra I (3). Pr. Min. grade of C in: MATH 3000 AND MATH 2660. An introduction to algebraic structures. Binary operations, groups, subgroups, groups of permutations, cyclic groups, normal subgroups, quotient groups, homomorphisms and isomorphisms, rings, integral domains and fields.

5320 Modern Algebra II (3). Pr. Min. grade of C in MATH 5310. A continuation of MATH5310 Modern Algebra I. Ideals and quotient rings, ring homomorphisms, rings of polynomials, factorization, Euclidean rings, extension fields and selected additional topics.

5400. Math Models and Simulation (3). Min. grade of C in MATH 2660. Use of models and simulation for solving problems in applied mathematics. Techniques of setting up, solving and interpreting models as well as an introduction to selected standard models.

5470. Foundations of Plane Geometry (3). Pr. Min. grade of C in: MATH 3000 AND MATH 1620. Axiomatic development of plane geometry. Emphasis on the development of proofs by students.

5600. Numerical Analysis I (3). Pr. Min. grade of C in MATH 2660. Number systems and error propagation, solution of systems of nonlinear equations, acceleration of convergence, polynomial and spline interpolation, Chebyshev economization, numerical integration and differentiation, efficient direct solution of systems of linear equations, PLU factorization of matrices, matrix norms and condition numbers. Additional projects of more theoretical nature required.

5670. Mathematical Statistics I (3). Pr. Min. grade of C in MATH 1620. Basic probability theory, discrete and continuous distributions, discrete bivariate distributions, distribution functions of random variables, the Central Limit Theorem, basics of statistical inference including point estimation, interval estimation, hypothesis testing, and simple regression.

Medical & Clinical Laboratory Sciences (CLLS)

3000. Clinical Laboratory Orientation (3). Pr. Program approval. An introduction to the clinical laboratory profession. Basic concepts of laboratory practice introduced, including laboratory safety, laboratory information systems, hospital and laboratory organization and certification.

3010. Laboratory Safety (3). Pr. Program approval. Students complete seven computer modules related to safety in the clinical laboratory. They include blood borne pathogens, formaldehyde, Tuberculosis, Fire Safety, Chemical Hygiene, First Aid, and Electrical Safety. Upon completion, students will be issued certificates of completion and passcodes into medical technology student laboratories.

3013. Laboratory Techniques (4). Pr. Program approval. An introduction to the basic techniques used by clinical laboratory scientists. In addition, laboratory safety and current issues in health care explored.

3103. Immunology and Serology (3). Pr. Program approval. A study of the human immune system in health and disease. Laboratory exercises are serologic procedures used in the laboratory diagnosis of immunologic and infectious diseases.

3153. Clinical Immunohematology I (3). Pr. CLLS 3103 (required grade - C) or program approval. Application of the basic theory of immunology and genetics to human blood group systems and transfusion practice. Basic immunohematology techniques covered in the laboratory sessions.

3203. Urinalysis and Body Fluids (3). Pr. Program approval. Physiologic mechanisms of the kidney discussed along with the importance of the kidney in homeostasis. Other body fluids commonly encountered in the clinical setting also discussed.

3243. Clinical Hematology I (4). Pr. Program approval. A study of human homeostatic mechanisms, its diseases and abnormalities. Includes a study of the origin and maturation of the formed elements of human blood. Laboratory exercises focus on the evaluation of hemostatic function and anemia as well as the morphology of formed elements of the blood.

3253. Clinical Hematology II (3). Pr. CLLS 3243 (required grade - C) or program approval. A study of erythrocyte abnormalities and associated disease states. The laboratory focus on methods used in the evaluation of abnormal erythrocytemorphology.

3303. Clinical Microbiology I (3). Pr. Program approval. Fundamentals of molecular diagnostics, including extraction techniques, electrophoresis, PCR and staining techniques used to evaluate DNA presented. Also topics in microbiology introduced such as safety, specimen handling, streaking techniques, morphology and media used to isolate microorganisms.

3313. Clinical Microbiology II (4). Pr. CLLS 3303 (required grade - C) or program approval. Introduction to basic procedures used in modern clinical laboratories for the isolation and identification of clinically significant microorganisms. Emphasis will be placed on laboratory identification of these infectious organisms.

3353. Clinical Parasitology and Mycology I (3). Pr. Program approval. Disease mechanisms of blood, tissue and intestinal parasites studied, with emphasis on general mechanisms of parasitic infections. The increasing importance of fungal infections also discussed.

3403. Clinical Instrumentation I (4). Pr. Program approval. An introduction to clinical laboratory instruments. Basic theory of fundamental clinical instrumentation discussed with hands-on experience in lab. Maintenance procedures and troubleshooting techniques introduced.

3433. Methods of Drug Analysis (4). Pr. CLLS 3403 (required grade - C) or program approval. A study of current techniques used in drug analysis. General theory as well as practical application of organic acid/base theory, liquid-liquid extraction, solid phase extraction, TLC, HPLC, GC and mass spectrometry covered.

3443. Clinical Chemistry I (3). Pr. CLLS 3403 (required grade – C) or program approval. Disorders of carbohydrate, protein, amino acid and lipid metabolism discussed, with emphasis on laboratory detection and clinical correlation of these disorders.

3503. Perspectives in Clinical Laboratory Science (3). Pr. Program approval. Introduction to research design for the evaluation of new methodology in clinical laboratory sciences. Students prepare a presentation of research findings.

4040. Comprehensive Review (1). Pr. Program approval. A comprehensive review of medical technology. All students take a final comprehensive examination at the end of this course. Successful completion of this course is required for graduation. Final grades will be assigned on a pass/fail basis.

4054. Phlebotomy (1). Pr. CLLS 3013 (required grade - C) or program approval. Experience in phlebotomy provided in an affiliated clinical facility. Includes a review of basic concepts related to phlebotomy.

4080. Laboratory Management and Education – WI (3). Pr. Program approval. This course offers an overview of the management process and supervisory techniques and responsibilities commonplace in the clinical laboratory. Also covered are clinical and classroom instructional methods and evaluation strategies.

4114. Clinical Serology (1). Pr. CLLS 3103 (required grade - C) or program approval. Experience in clinical serology provided in an affiliated clinical facility. Includes a review of basic concepts related to clinical serology.

4163. Clinical Immunohematology II (3). Pr. CLLS 3153 (required grade - C) or program approval. An advanced study of immunohematology theory and techniques. Emphasis placed on problem solving to assure safe transfusion practice.

4174. Clinical Immunohematology III (2). Pr. CLLS 4163 (required grade - C) or program approval. Experience in clinical immunohematology provided in an affiliated clinical facility. Includes a review of basic concepts related to clinical immunohematology.

4214. Clinical Urinalysis (1). Pr. CLLS 3203 (required grade - C) or program approval. Experience in clinical urinalysis provided in an affiliated clinical facility. Includes a review of basic concepts related to clinical urinalysis.

4263. Clinical Hematology III (4). Pr. CLLS 3253 (required grade - C) or program approval. A study of white blood cell abnormalities in human blood with correlations to disease processes. The laboratory portion of this course involves development of expertise in hematologic procedures and correlation of test results with disease states.

4274. Clinical Hematology IV (3). Pr. CLLS 4263 (required grade - C) or program approval. Experience in clinical hematology provided in an affiliated clinical facility. Includes a review of basic concepts related to clinical hematology.

4323. Clinical Microbiology III (4). Pr. CLLS 3313 (required grade - C) or program approval. Continued development of the skills necessary to function efficiently in a microbiology laboratory. The student is exposed to extensive identification problems as they relates to various specimen sites (respiratory, CSF, etc.). Other topics include anaerobic bacteria and mycobacteria.

4334. Clinical Microbiology IV (3). Pr. CLLS 4323 (required grade - C) or program approval. Experience in clinical microbiology provided in an affiliated clinical facility. Includes a review of basic concepts related to clinical micro-biology.

4364. Clinical Parasitology and Mycology II (1). Pr. CLLS 3353 (required grade C) or program approval. Experience in clinical parasitology and mycology will be provided in an affiliated clinical facility. This will include a review of basic concepts related to clinical parasitology and mycology.

4414. Clinical Instrumentation II (1). Pr. CLLS 3403 (required grade - C) or program approval. Clinical experience with laboratory instrumentation will be provided in an affiliated clinical facility. This will include a review of basic concepts related to clinical instrumentation.

4453. Clinical Chemistry II (4). Pr. CLLS 3443 (required grade - C) or program approval. Mechanisms for water, electrolyte and acid/base balance and imbalance discussed in association with renal, cardiac and respiratory function. Clinical enzymology and endocrinology discussed.

4463. Clinical Chemistry III (2). Pr. CLLS 4453 (required grade - C) or program approval. Heme, iron, bilirubin and porphyrin metabolism discussed with an emphasis on disease processes associated with errors in these metabolic pathways and laboratory diagnosis.

4474. Clinical Chemistry IV (3). Pr. CLLS 4463 (required grade - C) or program approval. Experience in clinical chemistry provided in an affiliated clinical facility. Includes a review of basic concepts related to clinical chemistry.

4513. Research Techniques in Clinical Chemistry and Toxicology (1-8). Pr. Program approval. Offers students experience in current clinical chemistry and analytical toxicology research. Instrumentation utilized may include one or more of the following: atomic absorption spectrophotometer, fluorometer, HPLC, GC, UV spectrophotometer, densitometer and/or micro-computers.

4523. Research Methods in Hematology and Immunohematology (1-8). Pr. Program approval. Utilizes research methods used in hematology, immunology and immunohematology. Students acquire additional experience in procedures in these areas of the laboratory.

4533. Research Methods in Clinical Microbiology (1-8). Pr. Program approval. Covers current methods used in bacteriology, mycology or parasitology, depending on the area of interest.

Military Science (MILS)

Basic Courses

1010. Foundations of Officership (1). Introduces Cadets to the personal challenges and competencies that are critical for effective leadership. Cadets learn how the personal development of life skills such as critical thinking, time management, goal setting, stress management, and comprehensive fitness relate to leadership, and the Army profession. Fall semester only; taken in conjunction with MILS 1011 (Leadership Lab).

1011. Freshman Fall Leadership Lab (1). Leadership Lab is required for all Army ROTC students. Provides training in drill and ceremonies, field craft, individual movement techniques, squad tactics, map reading and land navigation, and first aid. Fall semester only; taken in conjunction with MILS 1010.

1020. Basic Leadership (1). Introduces Cadets to the personal challenges and competencies that are critical for adaptive leadership. Cadets learn the basics of the communications process and the importance for leader's to develop the essential skills to effectively communicate in the Army. Students will examine the Army Profession and what it means to be a professional in the U.S. Army. Spring semester only; taken in conjunction with MILS 1021 (Leadership Lab).

1021. Freshman Spring Leadership Lab (1). Leadership Lab is required for all Army ROTC students. The student will receive continued training in drill and ceremonies, field craft, individual movement techniques, squad tactics, map reading and land navigation, and first aid. Spring semester only; taken in conjunction with MILS 1020.

1112. Principles of Military Fitness (3). To physically develop overall cardio respiratory fitness/muscular endurance and strength. Enhance individual knowledge of fitness and well-being. Understand the Principles of Exercise and Components of Fitness and how to implement them into a program.

2010. Individual Leadership Studies (2). Explores the dimensions of creative and innovative tactical leadership strategies and styles by examining team dynamics and two historical leadership theories that form the basis of the Army leadership framework. Aspects of personal motivation and team building are practiced planning, executing and assessing team exercises. Fall semester only; taken in conjunction with MILS 2011 (Leadership Lab).

2011. Sophomore Fall Leadership Lab (1). Leadership Lab is required for all Army ROTC students. Training in drill, physical training, water survival, night operations and land navigation. Fall semester only; taken in conjunction with MILS 2010.

2020. Leadership and Teamwork (2). Examines the challenges of leading teams in the complex operational environment. The course highlights dimensions of terrain analysis, patrolling, and operation orders. Further study of the theoretical basis of the Army Leadership Requirements Model explores the dynamics of adaptive leadership in the context of military operations. Cadets develop greater self-awareness as they assess their own leadership styles and practice communication and team building skills. Spring semester only; taken in conjunction with MILS 2021 (Leadership Lab).

2021. Sophomore Spring Leadership Lab (1). Leadership Lab is required for all Army ROTC students. The student will receive continue training in drill, physical training, water survival, tactics, night operations and land navigation. Spring semester only; taken in conjunction with MILS 2020.

Advanced Courses

3010. Leadership and Problem Solving (3). Pr. departmental approval. Introduces Cadets to the study, practice, and application of Army Leadership, Officership, Army Values and Ethics, Personal Development, and small unit tactics at the platoon level. At the conclusion of this course, Cadets will be capable of planning, coordinating, navigating, motivating and leading a squad and platoon in the execution of a mission during a classroom PE, a Leadership Lab, or during a Leader Training Exercise (LTX). Fall semester only; taken in conjunction with MILS 3011 (Leadership Lab).

3011. Junior Fall Leadership Lab (1). Leadership Lab is required for all Army ROTC students. Training in troop-leading procedures, mission planning, squad tactics, land navigation, and individual movement techniques. Fall semester only; taken in conjunction with MILS 3010.

3020. Leadership and Ethics (3). Pr. departmental approval. Probes leader responsibilities that foster an ethical command climate by developing cadet leadership competencies and applying principles and techniques of effective written and oral communication. Continued emphasis on planning, troop leading procedures, and the execution of platoon operations and tactics. Spring semester only; taken in conjunction with MILS 3021.

3021. Junior Spring Leadership Lab (1). Pr. departmental approval. Leadership Lab is required for all Army ROTC students. The student will receive training in troop leading procedures, mission planning, squad and platoon tactics, land navigation, and individual movement techniques. Spring semester only; taken in conjunction with MILS 3020.

4010. Leadership and Management (3). Pr. departmental approval. An advanced course that places primary emphasis on Officership with our MS IV cadets who are our educational main effort; MS 401 and 402 together refine and ultimately completes the Cadet-to-commissioned officer transition. In MILS 4010 Mission Command and ethics is reinforced to ensure the Cadet can function morally and ethically in their future role as an Army officer. Fall semester only; taken in conjunction with MILS 4011 (Leadership Lab).

4011. Senior Fall Leadership Lab (1). Leadership Lab is required for all Army ROTC students. The student will receive continued training in troop leading procedures, mission planning, and land navigation. Fall semester only; taken in conjunction with MILS 4010.

4020. Officership (3). Pr. departmental approval. The culmination of a four-year sequential, progressive, challenging developmental leadership experience. It is during this final semester that the Cadet is undergoing final preparation for the duties and responsibilities of a commissioned officer along with their integration into the Army. The emphasis is placed on critical knowledge, skills, abilities and competencies skills newly commissioned officers will need to succeed in their first unit of assignment, and the modern operating environment where they will be expected to plan, prepare, execute, and assess platoon-level training strategies and more to enable mission accomplishment. Spring semester only; taken in conjunction with MILS 4021 (Leadership Lab).

4021. Senior Spring Leadership Lab (1). Leadership Lab is required for all Army ROTC students. Training in troop-leading procedures, mission planning, training management and leadership experience while leading MILS 1000 through 3000 cadets through training scenarios. Spring semester only; taken in conjunction with MILS 4020.

4904. Internship in Military Science (1-3). Pr. MILS 3010 and MILS 3011; MILS 3020 and MILS 3021; MILS 4010 and MILS 4011; MILS 4020 and MILS 4021. The overall purpose of this course is to provide the student guidance and opportunities in planning, analyzing, evaluating, and leading ROTC battalion operations.

Music (MUSI)

1100. Fundamentals of Music (3). Introduction to the basic elements of music including scales, keys, chords and principles of rhythm.

2110. Music Appreciation (3). A survey of Western music from the Middle Ages to the present and of music from selected non-Western cultures. Emphasis on major styles, forms and composers and to the development of listening skills.

2202. University Chorus 1 (1-3). A choral performance group open to all students with an interest in singing. May be taken up to four times for credit.

2502. Band (1). Pr. Permission of instructor (audition). Preparation and performance of music for wind and percussion instruments. The band will perform at concerts and at other events, both within the university and in the community. May be repeated 5 times for credit.

3110. Music in World Cultures (3). A survey of musical styles in non-Western cultural traditions (Africa, India, Japan, Native America, etc.). Emphasis on the study of music as a phenomenon of society and culture.

3300. Music Today (3). A survey of popular music since 1945. Emphasis on the many factors that have shaped contemporary music, including history, economics, technology, politics and cultural practices.

3310. Masterpieces of Western Music (3). A survey of major works and composers in the Western musical tradition. Content will vary, but works from at least three different stylistic periods covered each semester. May be repeated once for credit.

4150. Special Topics in Music (1-3). Investigation of selected topics in music. Course may be repeated for a total of 6 semester hours, provided a different topic is selected each time.

4902. Independent Project in Music (1-3). Pr. departmental approval. Special project or research in music.

Nursing (NURS)

3111. Fundamentals of Professional Nursing (5). Pr. Admission to upper division. Field of Study restricted to the NURS major. Fundamental concepts essential for professional nursing across settings of care. Application of concepts will occur in supervised lab and clinical practice. (3 theory, 1 lab, 1 clinical)

3120. Nursing Pathophysiology (3). Pr. Admission to upper division or approval of course faculty. Exploration of human pathophysiological processes.

3131. Assessment for Professional Nursing (5). Pr. Admission to upper division or faculty approval. Field of Study restricted to the NURS major. Exploration of concepts and theories of nursing with an emphasis on holistic assessment and intervention. (2 theory, 1 lab, 2 clinical)

3150. Evidenced Based Practice (3). Pr. NURS 3111, NURS 3120, NURS 3131, and NURS 3900. Field of Study restricted to the NURS major. Evidence based practice concepts essential for professional nursing practice.

3160. Nutrition for Healthcare Providers (2). This course examines basic nutrition as it applies to healthcare providers to promote attaining and maintenance of optimal health for patient populations.

3210. Clinical Pharmacology (3). Pr. NURS 3120. Co-req. NURS 3221 and NURS 3230. Field of Study restricted to the NURS major. Nurse's role in therapeutic pharmacology.

3221. Nursing Care of the Adult I (7). Pr. NURS 3900, NURS 3111, NURS 3120 and NURS 3131, Co-req. NURS 3210. Field of Study restricted to the NURS major. Theory and application of concepts essential for nursing care of adults with short term and/or chronic conditions. (3 theory, 1 lab, 3 clinical)

3900. Clinical Calculations (1). Review of basic math concepts and effective application to drug calculation and administration.

3940. Individualized Study Plan for Transitional Students (3). Pr. Admission to the School of Nursing. Individualized focused study plan designed for students out of sequence in the professional nursing curriculum.

4000. Special Topics in Nursing. Selected topics in nursing.

4001. Special Topics in Nursing Clinical (1-5). Application of selected topics in nursing.

4110. Transformation to the Professional Nurse Role (4). Pr. ENGL 1020 and MATH 1100 or MATH 1120 with a grade of C or better, RN to BSN Major Only. Explores the pathopharmacological basis of common health alterations and the impact of these alterations on the mind, body, and spirit.

4120. Pathophysiology for the Professional Nurse (3). RN to BSN Major Only. Explores the pathophysiological basis of common health alterations and the impact of these alterations on the mind, body and spirit.

4130. Nursing Informatics (3). RN to BSN Major Only. Introductory course in Informatics focusing on the nursing application of information and computer technology for documentation, communication, research, patient education, and professional development.

4140. Population Based Health Care (4). Pr. NURS 4110, RN to BSN Major Only. Exploration of the concepts inherent in the delivery of nursing care for individuals, families, and populations in the global community.

4141. Patient-Centered Care: Concepts of Emergency and Critical Care (3). An introduction to emergency, trauma and critical care nursing.

4150. Informatics (3). Pr. Admission to upper division or faculty approval. Field of Study restricted to the NURS major. Introduction to informatics with a focus on application of healthcare information and computing technology. This is a writing intensive course.

4160. Health Policy and Ethics for the Professional Nurse (3). Pr. NURS 4110. RN to BSN Major Only. Roles, influences, and ethics of health care providers, consumers, government and law are discussed. Examine policy decision and related issues that impact the delivery of safe, effective, patient-centered, timely, efficient, and equitable care.

4180. Trauma Nursing (1-3). Pr. NURS 3221. A broad overview of the specialty of trauma nursing and the multiple factors that affect patient care in an emergency or trauma situation.

4210. Leading and Managing in Healthcare Micro-Environments (5). Pr. NURS 4110. RN to BSN Major Only. Emphasis is placed on unique challenges in micro-environments of health care delivery (sub-units, units, departments, divisions).

4220. Informatics and Evidence Based Practice for the Professional Nurse (3). Pr. NURS 4110. RN to BSN Major Only. This is an introductory course in nursing informatics with a concentration in evidence-based nursing practice. Nursing application of information and computing technology will be combined to provide focus on identification of practice issues; appraisal and integration of current evidence and the evaluation of potential outcome across all healthcare settings and patient populations.

4241. Nursing Care of the Childbearing Family (2). Pr. NURS 3210 and NURS 3221. Field of study restricted to NURS major. Childbearing family concepts and clinical application essential for professional nursing practice. (2 theory, 1 clinical)

- 4251. Nursing Care for the Pediatric Patient and Support Network (4). Pr. NURS 3210 and NURS 3221.** Theory and application of concepts essential for care of the pediatric patient and support network. (2 theory, 2 clinical)
- 4260. Pathophysiology and Physical Assessment for the Professional Nurse (3). Pr. NURS 4110, RN to BSN Major Only.** Explores the pathophysiology basis and the assessment of common health alterations while exploring the developmental phases, physical states and functional levels to identify needs for health promotion and disease prevention across the lifespan.
- 4261. Community/Public Health Nursing (4). Pr. NURS 3210 and NURS 3221. Field of study restricted to NURS major.** Exploration and application of concepts inherent in the delivery of care for individuals, families and populations in community health settings and environments. (3 theory, 1 clinical).
- 4270. Rural Health and Special Populations (3). Pr. NURS 4110. RN to BSN Major Only.** Explores rural community health nursing, focusing on history and development of rural community focused care, health care systems, epidemiology, and individuals, families, and special populations. Determine and apply appropriate theories to provision of care to individuals in rural community settings and special populations in rural, urban, or suburban settings. Address prevention, promotion, maintenance, and restoring health. Focus on transcultural nursing concepts and diverse populations. (3 theory, 1 clinical)
- 4311. Leadership Immersion (5). RN to BSN Major Only.** Leadership immersion experience integrating knowledge, skills and competencies for the practice of professional nursing. (4 theory, 1 clinical)
- 4320. Population Based Health Care/Practicum (4). RN to BSN Major Only.** Explores the concepts and theories underlying population-based practice in community health settings and environments.
- 4321. Health Systems Leadership (5). Pr. NURS 4220 and NURS 4410. RN to BSN Major Only.** Addresses evidence-based leadership/management skills and competencies for the professional nurse working with inter-professional teams to facilitate the transformation of complex healthcare systems. Clinical experiences will provide students with the opportunity to work with nurse leaders to further develop leadership and management competencies within the healthcare system.
- 4330. Transformation to the Professional Nurse Role II (4). Pr. NURS 4110. RN to BSN Major Only.** Addresses the integration, synthesis and reflection of professionalism and professional nursing practice through awareness and analysis of issues and challenges impacting nurses in all practice settings.
- 4331. Mental Health Nursing (4). Pr. NURS 3120, NURS 3111, NURS 3131, NURS 3210 and NURS 3900. Co-req. NURS 3210. Field of study restricted to NURS major.** Theory and application of concepts essential for mental health nursing. (3 Theory, 1 Clinical)
- 4340. Patient Centered Care of the Child Bearing Family (2). Admission to upper division. Co-req. NURS 4341.** Childbearing family concepts essential for professional nursing practice.
- 4341. Patient Centered Care of the Child Bearing Family Clinical (2). Pr. NURS 3210, admission to upper division. Co-req. NURS 4340.** Application of childbearing family concepts essential for professional nursing practice.
- 4350. Patient Centered Care of the Child (2). Admission to upper division. Co-req. NURS 4351.** Pediatric concepts essential for professional nursing practice.
- 4351. Patient Centered Care of the Child Clinical (2). Admission to upper division. Co-req. NURS 4350.** Application of pediatric concepts essential for professional nursing practice.
- 4360. Population-Based Care (4). Admission to upper division. Co-req. NURS 4361.** Population based concepts essential for professional nursing practice.

4361. Population-Base Care Clinical (3). Admission to upper division. Co-req. NURS 4360. Application of population based concepts essential for professional nursing practice.

4371. Nursing Care of the Adult II (6). Pr. NURS 3210 and NURS 3221. Field of study restricted to NURS major. Theory and application of concepts essential for nursing care of adults with acute and/or complex conditions. (4 theory, 2 clinical)

4400. Leadership for Professional Nursing Practice (3). Pr. NURS 4340, NURS 4341, NURS 4350, NURS 4351, NURS 4360, and NURS 4361; Co-req. NURS 4420 and NURS 4421; admission to upper division. Concepts essential for the transformation into professional nursing practice.

4410. Professional Nursing Leadership & Management for Patient-Centered Care (3). Admission to upper division. Concepts essential for leadership and management for professional nursing practice.

4420. Patient-Centered Care II (3). Pr. NURS 4340, NURS 4341, NURS 4350, NURS 4351, NURS 4360 and NURS 4361; Co-req. NURS 4400, NURS 4421. Advanced medical surgical concepts essential for professional nursing practice.

4421. Clinical Immersion for Transformation into Practice (7). Pr. NURS 4340, NURS 4341, NURS 4350, NURS 4351, NURS 4360 and NURS 4361; Co-req. NURS 4420 and NURS 4440. Application of concepts essential for the transformation into professional nursing practice.
Taken in final semester.

4430. Nursing Leadership and Management (3) Pr. NURS 3150, NURS 4150, NURS 4241, NURS 4251, NURS 4261, NURS 4331, and NURS 4371; Co-req. NURS 4431. Field of study restricted to NURS major. Professional development and role transition of baccalaureate graduates entering professional nursing practice focusing on the principles of leadership and management applied to health care settings.

4431. Transition to Practice (7). Pr. NURS 3150, NURS 4150, NURS 4241, NURS 4251, NURS 4261, NURS 4331, and NURS 4371. Field of study restricted to NURS major. The course is designed to allow for the application of concepts pertaining to the transition into professional nursing. This course implements all concepts covered throughout the AUMSON curriculum. (3 theory, 3 clinical)

4440. Advanced Nursing Concepts (3). Pr. NURS 3150, NURS 4150, NURS 4241, NURS 4251, NURS 4261, NURS 4331, and NURS 4371. The integration of advanced nursing care concepts and clinical judgement across the lifespan in the development of an evidence-based foundation for professional nursing practice. Content includes but is not limited to: manager of care for advanced concepts in safety, fluid/electrolyte balance, cellular regulation, gas exchange, psychosocial well-being, growth and development, perfusion, and medical emergencies.

4510. Healthcare Perspectives for Exceptional Students (3). This course will study exceptional children and youth from a health care perspective. Additional emphasis will include the collaborative relationship between teachers of medically fragile students and the school nurse.

4520. Interpersonal Violence: D, A, I (1-3). Concepts and theories related to psychosocial dynamics of interpersonal violence.

4530. End-of-Life Care (1-3). Pr. Admission to upper division or permission of course faculty. This course will explore various issues related to end-of-life care. Topics that reflect current issues and trends within the health care delivery system will be examined, including quality of life and ethical and legal considerations.

4540. Camp Nursing (3). Role of the camp nurse, safety issues, common health problems, treatment of common illnesses, and developmental considerations in the camp population.

4550. Emergency Nursing: A Holistic Approach (1-3). Pr. Concepts and theories inherent in the delivery of holistic emergency nursing care.

4560. Disaster Management (1-3). Pr. **NURS 3221.** Concepts and theories inherent in the nursing management of natural and man-made disasters.

4830. Leadership and Management in Nursing (1-3). Pr. **NURS 4371.** Concepts and theoretical foundation for implementation of the leadership and management role of the professional nurse in health care organizations.

4940. Individualized Study Plan (1-2). Pr. **Admission to the School of Nursing.** Individualized focused study plan designed for students who have not reached an identified assessment benchmark in the professional nursing curriculum.

Organizational Leadership (ORGL)

1010. Introduction to Organizational Leadership (3). Analyzes current and historical leadership styles and theory, with an emphasis on what constitutes effective leadership within federal, state and local agencies. The focus of the study will be on how leaders emerge and assume responsibility to include visionary leadership within a framework of social responsibility.

2500. Inclusive Leadership (3). Pr. **ORGL 1010.** Students will understand, appreciate, and account for the impact and value of differences among people. They will examine their interpersonal behavior, discover its impact on those they lead, and enhance their skills to create an inclusive environment.

2700. Human Capital Stewardship (3). Pr. **ORGL 1010.** Survey course of human capital management practices from a leadership perspective rather than an HR professional. Topics cover all the talent management functions with a special emphasis on personal career management.

3010. Leadership in Crisis (3). Uses case studies to examine the dynamics of crisis leadership and decision making from a senior leader's or government official's perspective. This course frames the discussion on ways to overcome leadership challenges in planning and responding to a large scale incident.

3050. Conflict Resolution and Negotiation (3). Pr. **ORGL 1010.** The development of leadership skills essential for successfully resolving conflict and negotiating effectively.

3200. Leading Across Cultures (3). Pr. **ORGL 1010.** This course provides a comprehensive examination of the cultural factors that affect leadership practices and styles in organizations in the major cultural regions of the world.

3400. Leading Change (3). Pr. **ORGL 1010.** Prepares leaders to effectively manage change at the individual, team, and organizational levels.

3700. Project Management for Leaders (3). Pr. **ORGL 1010.** Introduction to project management methodology covering all the phases of project management and the tools and competencies needed to effectively manage projects.

3970. Team Building I (3). This course will provide a critical understanding of how leadership affects the nature of team building in organizations. Students will understand the benefits of leading teams, recognize and resolve team problems, understand how to motivate team members and leaders, and comprehend the importance of diversity on leading teams.

4100. Developing Community Relations (3). Pr. **ORGL 1010.** Interdisciplinary approach that combines public relations, community engagement, and governmental relations to teach leaders effective stakeholder relations.

4210. Decision Making Methods for Leaders (3). Pr. MATH 1100, MATH 1120, MATH 1150, MATH 1610, MATH 1620, MATH 2630 or MATH 2660. This course gives leaders different quantitative methods to make informed decisions. Students will learn how to use a decision matrix, linear regression, T-charts, multi-voting, cost-benefit analysis, and other techniques to make informed decisions and select the best course of action.

4220. Values and Ethics for Leaders and Law Enforcement (3). Pr. ORGL 1010 or JUST 1150 depending on major. The course provides a critical understanding of the nature of values and ethics in leadership and justice and defines strategic leadership in relation to ethical situations and identify the differences between ethics, values and how leadership influences public trust and command climates.

4900. Team Building II (3). Pr. ORGL 3970. This course builds upon lessons learned in ORGL 3970. It will provide the critical understanding of how leadership affects team dynamics. Students will comprehend the importance of leaders fostering cohesiveness, confidence, and cooperation. Students will practice team decision-making skills by executing a joint operations center and role playing various leadership positions.

4950. Leadership Capstone (3). Pr. ORGL 1010. Integrates and reinforces leadership knowledge and skills from the major area courses. Strengthens personal leadership qualities and prepares students for real-life leadership opportunities.

Philosophy (PHIL)

2000. Reasoning and Critical Thinking (3). A study of the intellectual skills crucial to evaluating arguments and to addressing both cognitive biases and informal fallacies.

2010. Introduction to Philosophy (3). An introduction to the methods of philosophical inquiry and a study of some major topics in philosophy.

2017. Introduction to Philosophy, Honors (3). Enhanced version of PHIL 2010.

2030. Logic (3). An introduction to formal methods for evaluating both deductive and inductive reasoning.

2100. Applied Ethics (3). A study of controversial social and moral problems such as abortion, euthanasia, capital punishment, and sexual morality.

3700. Symbolic Logic (3). A study of the techniques of natural deduction, including propositional calculus, first-order predicate calculus, the logic of relations, attributes of relations, logic with identity and the defined description.

4110. God & Morality (3). Pr. ENGL 1010, ENGL 1020. This course involves a philosophical examination of the relationship between religion and morality. Issues to be discussed include the tenability of non-theistic explanations of morality, various theistic accounts of morality, and the relationship between theism and the meaningfulness of human life.

4200. Philosophy of Religion (3). A broad survey of important concerns in the philosophy of religion, including the acquisitions of an adequate understanding of the classical theistic conception of God and a study of the challenge that evil raises for traditional theistic faith.

4330. History of Philosophy (3). Pr. C or better in ENGL 1020. A study of major figures or themes in the history of philosophy, the historical time period or focus to be announced at each offering of the course. May be repeated once when topics vary. May be offered concurrently with PHIL 6000.

4900. Independent Study (1-3). Pr. junior standing and Department Head approval. Variable content as determined by faculty member outside of the classroom setting.

4972. Special Topics in Philosophy (3). Instruction in specialized fields within philosophy, such as advanced scholarly projects. Focus varies with each course. May be repeated for credit twice when topics vary.

Physical Education (PHED)

1003. Introduction to Martial Arts (2). An introduction to the basic skills of selected martial arts, including Tae Kwon Do, Hap Kido and Judo. Fundamental striking, grappling, throwing and joint locking techniques are taught.

1013. Varsity Basketball (2). Pr. varsity athlete. Varsity sports participation.

1023. Varsity Tennis (2). Pr. varsity athlete. Varsity sports participation.

1033. Varsity Soccer (2). Pr. varsity athlete. Varsity sports participation.

1043. Varsity Baseball (2). Pr. varsity athlete. Varsity sports participation.

1053. Varsity Softball (2). Pr. varsity athlete. A course for athlete who are current participants on the varsity softball team.

1063. Varsity Cross Country (2). Pr. varsity athlete. A course for athletes who are current participants on the university cross country teams.

1073. Varsity Volleyball (2). Pr. AUM varsity athlete. A course for student athletes competing in the sport of volleyball.

1113. Beginning and Intermediate Swimming (2). Develops knowledge and skills in aquatics from recreational to more skillful. Safety is also emphasized.

1123. Lifesaving and Instructor Training (2). Pr. PHED 1113. Furthers the students' instruction in swimming safety and life-saving. Certifications will be awarded. A nominal fee will be charged by the facility.

1203. Outdoor Recreation (2). Provides students with opportunities to learn camping and backpacking skills.

1205. Introduction to Outdoor Pursuits (2). Introduction to selected outdoor pursuit activities such as the ropes course, backpacking, hiking, etc.

1303. Basketball and Volleyball (2). An introduction to basketball and volleyball. Emphasis is on development of fundamental skills, knowledge and appreciation. Rules and history of the games are included.

1305. Introduction to Disc Sports (2). A course designed to introduce students to team sports such as ultimate frisbee and frisbee golf.

1323. Soccer and Softball (2). An introduction to soccer and softball. Emphasis on the development of fundamental skills, knowledge and appreciation. Rules and history of the games are included.

1400. Aerobics (2). A course designed to get students involved in daily aerobic activity such as aerobic boot camp and step aerobics.

1402. Jogging (2). A course designed to give students an understanding of and the ability to establish their own exercise program that includes jogging.

1403. Beginning and Intermediate Soccer (2). This is an activity course for beginning and intermediate soccer players. The basic skills and knowledge of the game will be covered in an activity setting. Opportunities will also be provided where intermediate level skills can be improved.

1405. Triathlon Training (2). A course designed to give students a foundation for skills in a multi-sport setting: swimming, cycling, running.

1407. Introduction to Self-Defense (2). A course designed to give students an understanding and proficiency in yoga and Pilates.

1409. Yoga's Pilates (2). Builds understanding and proficiency in yoga and Pilates.

1543. Badminton and Pickle-Ball (2). An introduction to badminton and pickle-ball. Emphasis on the development of fundamental skills, knowledge and appreciation. Rules and history of the games are included.

1563. Archery and Casting (2). An introduction to outdoor/recreational leisure sports.

1593. Beginning and Intermediate Golf (2). An introduction to the basic and intermediate elements of the game of golf.

1643. Beginning and Intermediate Tennis (2). Orientation to tennis from basic skills and knowledge to special shots and strategies.

1723. Principles Exercise and Conditioning (2). Provides knowledge and experience in the fundamentals of exercise training and conditioning.

1743. Beginning and Intermediate Gymnastics (2). An introduction to the basic skills of gymnastics and a continuation of the development in gymnastics through the intermediate level.

1803. Fundamentals of Dance (2). A course for physical education majors and those students interested in the field of dance. Basic dance theories and methods are taught. Types of dances include folk, square, ballroom and contemporary.

1823. Exercise and Weight Control (2). Physical activity as it relates to nutrition, health and changes in body composition.

2003. Introduction to Theory and Techniques of Teaching and Coaching Sports Skills (3). Sophomore standing. Develops expertise in the organization of teaching and coaching of sports skills. Emphasis is on theory, methods and effective techniques of teaching, evaluating and coaching sports skills. Unit and lesson construction stressed.

2010. Foundations of Health and Physical Education (3). Provides an overview of health and physical education. The history, philosophies and principles of the profession are emphasized and specialties, including health, athletics and sports medicine, are surveyed.

2011. Health and Fitness Test Lab Course (0). Co-req. PHED 2010 This course is to track fitness of students in conjunction with PHED 2010.

2020. Social Media and Technology in Sport (3). Course to promote critical examination of theory and practical application with regard to social media and technology in sport and physical education.

2030. Sports Tourism (3). The interconnectedness of sport and tourism will be analyzed from behavioral, historical, economic, management, marketing, environmental and policy perspectives.

2063. Theory and Techniques of Coaching and Officiating Football and Soccer (3). Develops professional expertise in the theory and techniques of coaching football and soccer. Emphasis on practical application of organizing and administering coaching responsibilities. Knowledge and practical application of officiating football and soccer included.

- 2073. Theory and Techniques of Coaching and Officiating Volleyball and Basketball (3).** Develops professional expertise in the theory and techniques of coaching volleyball and basketball. Emphasis on practical application of organizing and administering coaching responsibilities. Knowledge and practical application of officiating volleyball and basketball included.
- 2093. Theory and Techniques of Coaching and Officiating Baseball and Softball (3).** Develops professional expertise in the theory and techniques of coaching baseball and softball. Emphasis on practical application of organizing administering coaching responsibilities. Knowledge and practical application of officiating baseball and softball included.
- 2130. Health and Physical Education in the Elementary School (3). Pr. PHED 2010 or FNDS 2010, admission to professional education.** Develops expertise in methods of teaching health education and physical education in elementary schools. Content appropriate for each developmental level is emphasized. Methods of evaluating students are also included. Field experience required.
- 2203. Wellness (3).** Designed to develop wellness concepts in a variety of health topics. Fitness labs are included.
- 2250. Basic Sports Nutrition (3).** Designed to apply scientific concepts to a basic foundation of nutrition principles, to critically review the concepts and controversies in the field, and to provide up-to-date nutrition information. Critical thinking skills will be utilized to evaluate and personalize nutrition information.
- 3043. Theory and Techniques of Teaching Basketball, Badminton, Volleyball and Tennis (3). Pr. PHED 2003.** Develops professional expertise in the organization and teaching of basketball, badminton, volleyball and tennis. Emphasis on theory, methods and effective techniques of teaching and evaluating knowledge and performance of these sports.
- 3053. Theory and Techniques of Teaching Gymnastics, Dance, Aerobics and Weight Training (3). Pr. PHED 2010, admission to professional education.** Develops professional expertise in the organization and teaching of gymnastics, dance, aerobics and weight training. Emphasis on evaluating dance routines and gymnastics skills and prescribing of fitness programs that improve body composition levels.
- 4003. Physiology of Exercise (3). Pr. BIOL 2093 or BIOL 2100 and BIOL2101.** Study of the physiological basis of physical activity.
- 4004. Physiology of Exercise Laboratory (1). Pr. BIOL 2093 or BIOL 2100 and BIOL 2101.** A laboratory course designed to study the physiological basis of exercise/physical activity. The course will utilize laboratory resources related to measurement and assessment in exercise physiology.
- 4010. Exercise Pathophysiology (3). Pr. PHED 4003 and PHED 4004.** Emphasizes the theories and procedures for rehabilitation of those with cardiovascular disease. Academic and practical experiences concerning therapeutic exercise prescription are undertaken.
- 4030. Methods of Teaching Physical Education (3). Pr. PHED 2010 admission to professional education.** Designed to provide the skills necessary to properly organize, conduct and evaluate physical education programs in multicultural environments. Emphasis on curriculum design, yearly planning, unit planning and daily lesson planning. Field experience required.
- 4043. Kinesiology (3). Pr. BIOL 2093 or BIOL 2100 and BIOL 2101.** Designed to focus on the science of human movement. Specifically, applied anatomy and mechanical principles of human movement are related to skillful motor performance.
- 4044. Biomechanics in Human Movement (3). Pr. PHED 4043.** Study of the mechanical laws and principles that govern human movement and their application to activities of daily living, fitness, sport and rehabilitation.

4050. Motor Development (3). Pr. junior or senior standing. Acquaints the student with perceptual-motor functioning. Includes measurement and evaluation of perceptual-motor efficiency and the neurological structure of the human organism as it relates to learning.

4153. Exercise Prescription (3). Pr. PHED 4003 and PHED 4004. Designed to evaluate the principles of human performance assessment and exercise prescription.

4160. Adapted Physical Education (3). Pr. PHED 2010 or FNDS 2010; Kinesiology majors only. Guides the student in the development of adapted programs to meet the needs of diverse children. Emphasis on physical, mental, social and emotional characteristics. Field experience required.

4183. Measurement and Evaluation in Physical Education (3). Pr. PHED 2010; admission to professional education; junior standing. Designed to evaluate measurement and evaluation techniques used in physical education and exercise science. Field experiences required.

4193. Measurement and Evaluation in Exercise Science (3). A course designed to evaluate the measurement and evaluation techniques used in exercise science.

4200. Organization and Administration of Physical Education (3). Pr. Admission to professional education. Presents the various organizational and administrative structures, principles and philosophies in the field of health and physical education. The planning and construction of physical facilities are included.

4210. Nutritional Assessment (3). Pr. BIOL 2000 or PHED 4250 or PHED 2250. Methods and tools used in screening and assessment of nutritional status of individuals and population groups are studied. Assessment methodology includes dietary surveys, computerized dietary intake analysis, anthropometric measures, biochemical measures and clinical evaluations.

4220. Lifecycle and Community Nutrition (3). Pr. C or better in BIOL 2000. How metabolic and nutrient requirements are altered by physical development throughout life, emphasizing pregnancy, infancy, adolescence and late adulthood. Introduction to important community-based programs that span the life cycle.

4230. Principles of Strength and Conditioning (3). Pr. PHED 4003 PHED 4004. A course designed to examine the scientific basis of exercise related to health, physical fitness and athletic performance.

4240. Metabolism and Function of Nutrients I (3). Pr. C or better in BIOL 2000. First in a two-course sequence that takes an in-depth look at human nutrition and the functions, digestion/absorption, inter-relationships, and cellular metabolism of the macronutrients. Subsequent role of macronutrients in maintaining optimal health, preventing disease.

4250. Nutrition for the Physically Active (3). Pr. sophomore standing. Provides nutritional information for those engaged in athletics. It will also assist others who are physically active or desire to initiate a personalized exercise program.

4260. Consumer Health (3). Pr. junior standing. Provides useful guidelines and principles related to the selection and use of health products and services.

4270. Sociology of Sport and Physical Activity (3). Min. grade of C in ENGL 1010 or HONR 1757. Introduction to the sociological aspects of sport and physical activity. Attention given to the role of sport in other spheres of social life, such as family, education, politics and the media.

4280. Metabolism and Function of Nutrients II (3). Pr. C or better in BIOL 2000. Second of a two course sequence that takes an in-depth look at human nutrition and the functions, digestion/absorption, interrelationships, and cellular metabolism of the macronutrients.

- 4310. Ethics in Sport (3).** The course provides students with a variety of experiences related to theory and examination of ethical issues in sport.
- 4320. Diagnostic and Prescriptive Teaching in Adapted Physical Education (3). Pr. PHED 4160.** Prepares the student to deal with the physiological discrepancies that affect learning. Trains the student to prescribe individual education programs to remediate such discrepancies.
- 4330. Sport Marketing (3).** The course provides students with a variety of learning experiences related to the theory and practice of marketing sport.
- 4340. Risk Management and Legal Issues (3).** Course will focus on risk management and legal issues facing sport managers.
- 4350. Sport Facility Planning and Construction (3).** This course provides students an overview of planning, design and construction of physical education, recreation and sport facilities.
- 4360. Sport Finance (3).** This course will apply economic principles to professional, collegiate, and high school sports programs. It will also provide the student with practical background knowledge of the general principles in financial management.
- 4363. Emergency Medical Care (3).** Provides professional first-responder skills (CPR, first aid). Injury and disease prevention will also be emphasized.
- 4370. Sport Sales and Promotion (3). Pr. junior or senior standing.** Foundational concepts and theory related to sport sales and promotion.
- 4380. Leadership in Sport Organization (3). Pr. sophomore or junior standing.** The purpose of this course is to study leadership theory as it applies to sport organizations.
- 4383. Fundamentals of Athletic Training (3). Pr. BIOL 2093 or BIOL 2100 and BIOL 2101.** Exposes students to current practices in sports medicine, with special emphasis on training, treatment and injury prevention. Professional preparation in rehabilitation careers is also emphasized.
- 4390. Governance in Sport (3).** This course will introduce students to principles of organizational structure, function, and governance in the professional, collegiate, high school, and community sport programs. It will also provide the student with knowledge of management, social responsibility, policies, procedures, and hierarchical structure of these sport organizations.
- 4400. Classroom Management in Physical Education (3).** The purpose of this course is to provide pre-service physical education candidates with basic skills/theories/practices involved in effective classroom management; coursework will include theoretical investigation and practical application of discipline models for physical education management.
- 4410. Campus Recreation Theory and Programming (3). Pr. junior or senior standing.** Theory and programming aspects of campus recreation programs.
- 4450. Sports Economics (3). Pr. PHED 4360.** This course will apply economic principles to selected aspects of professional and collegiate sports and sports leagues. It is intended to help students understand the business side of sports, how economics impact managerial decision making, and how it affects the games seen at the stadium or in the arena. Duplicate credit will not be allowed for ECON 4350 and PHED 4450.
- 4800. Psychology of Coaching (3). Pr. sophomore standing.** Introduces the professional student to the psychological aspects of teaching and coaching. Attention given to the effect of sports on society, crowd control and the individual athlete. Current issues of physical education and athletics will be included.

4914. Practicum in Physical Education/Exercise Science (1-3). Pr. PHED 2010; admission to professional education. Independent directed study or field experience to be determined.

4922. Internship in Exercise Science (1-9). Pr. PHED 2010, admission to internship. Students are placed in professional exercise science settings to participate in supervised, applied experiences.

4924. Professional Internship (9). Pr. PHED 2010, admission to internship. Students are placed in both public elementary and secondary settings to participate in supervised teaching experiences. Students must submit an application for internship approved by their adviser to the director of field and clinical experiences.

4934. Internship in Sport Management (9). Pr. PHED 2010, admission to internship. Students participate in a professional setting related to sport leadership or sport management to gain applied experiences in the field.

4944. Professional Leadership (3). Pr. junior standing; departmental approval. Designed to provide leadership opportunities for individuals specializing in physical education or exercise science.

4950. Advanced Topics in Sports Nutrition (3). Pr. PHED 2250 or PHED 4250. Advanced seminar to address current topics in sports nutrition. Topics discussed will include nutrient timing and nutrient periodization, assessing nutritional status in the athlete, dietary requirements for special populations or environments, and ergogenic aids.

4972. Problems and Issues (3). Pr. junior standing; departmental approval. Designed to research problems and issues in physical education or exercise science.

4982. Bachelor's Comprehensive Examination (0). Pr. Departmental approval. An exit examination for physical education majors.

4992. Health and Fitness Test (0). Co-req. PHED 4922 or PHED 4924, or PHED 4934. Students registered in any area of internship are required to take and pass the Health and Fitness Assessment to be eligible to graduate. Students must pass all areas of the test in order to receive a score of "S". Failure to pass all portions of the test will result in a "U" for the course.

Physical Science (PSCI)

0950. Orientation for the Medical Sciences (1). A course for pre-professional students in the health sciences. Emphasis on providing information and developing attitudes which will enhance prospects for admission into appropriate professional programs. Graded on satisfactory/unsatisfactory basis. Credit is in addition to minimum degree requirements.

1100. Introduction to Physical Sciences (3). Pr./Co-req. PSCI 1101. A basic physical sciences course for non-technical majors. Emphasis on everyday applications related to atomic structure and the various forms of energy.

1101. Introduction to Physical Science Laboratory (1). Pr./Co-req. PSCI 1100. Experiments to accompany lecture topics in PSCI 1100.

1300. Introduction to Earth Science (3). An introductory level science course that provides a brief synthesis of major topics in geology, oceanography, ecology, and meteorology. This course, together with PSCI 1301, satisfies a core curriculum requirement for a natural sciences laboratory course.

1301. Introduction to Earth Science Laboratory (1). Laboratories to accompany lecture material in PSCI 1300. This course, along with PSCI 1300, satisfies a core curriculum requirement for a natural sciences laboratory course.

1400. Introduction to Astronomy (3). Co-req. PSCI 1401. An elementary overview of astronomy. Topics include the history of astronomy, the earth-sun-moon system, the solar system, light and telescopes, stellar and galactic astronomy.

1401. Introduction to Astronomy Laboratory (1). Experiments to accompany lecture material in PSCI 1400. Students electing this optional laboratory for PSCI 1401, may use PSCI 1400 and PSCI 1401 to satisfy a laboratory science requirement. Students not electing PSCI 1401 may use PSCI 1400 as elective credit only.

1500. Introduction to Chemistry (3). Co-req. PSCI 1501. An introductory descriptive course in chemistry that examines the scientific method, the nature of atoms and compounds, solutions and chemical reactions. Discussion of acids, bases and oxidation included.

1501. Introduction to Chemistry Laboratory (1). Co-req. PSCI 1500. Experiments to accompany lecture material in PSCI 1500.

3914. Mentor in Medicine (2). Pr. Departmental approval. A formal course for pre-medical students requiring time to be spent with a physician on rounds. Entails at least 6 contact hours per week. May be repeated with permission of the pre-medical adviser, but only 2 hours may be applied to graduation.

3944. Pre-Health Studies (3). Pr. sophomore standing, permission of department, minimum 2.75 GPA for 50 hours taken at AUM. A formal course for pre-medical students requiring time to be spent in several departments of local hospitals. May not be taken with more than 12 hours of additional course work. Should be attempted only by serious health science majors.

3980. Special Topics in Physical Science (2). Pr. junior standing, departmental approval. Directed studies in an area of physical science.

4970. Senior Seminar (2). Pr. senior standing. Activities include employment application procedures, oral presentation of a technical topic, completion of an assessment instrument, and an evaluation of the department. Required for all seniors prior to graduation.

Physics (PHYS)

1000. Foundations of Physics (3). Newton's Laws, momentum and energy, solids, liquids, gases, plasma, thermodynamics, electricity, magnetism, light, atomic and nuclear physics. Students who have previous credit in higher numbered physics course may not receive credit.

2100. General Physics I (3). Pr. MATH 1610; Co-req. PHYS 2101. A treatment of statics, mechanics, heat and thermodynamics intended for technical majors. Calculus-based procedures employed frequently.

2101. General Physics I Laboratory (1). Pr. Co-req, PHYS 2100. Experiments to accompany lecture topics in PHYS 2100.

2200. General Physics II (3). Pr. PHYS 2100 and PHYS 2101; Co-req. PHYS 2201. A treatment of electricity, magnetism, wave phenomena, sound and optics intended for technical majors. Calculus-based procedures employed frequently.

2201. General Physics II Laboratory (1). Co-req. PHYS 2200. Experiments to accompany lecture topics in PHYS 2200.

Political Science (POLS)

1020. Introduction to American Politics (3). Introduces students to the key institutions and processes shaping the American political system, including the Constitution, the presidency, Congress, the judiciary, elections, parties, and the media.

1200. Introduction to International Relations (3). Introduces students to a conceptual and analytical understanding of international relations. Focuses on the impact of sovereignty, international organizations, non-governmental organizations, international law, power, interdependence, globalization, and the prospect for cooperation and conflict.

2000. Introduction to Government and Politics (3). An introduction to political science as a field of social science inquiry.

2500. Foundations of Public Policy (3). Introduction to public policy focusing on core issues and concerns in making and implementing public policy. Focuses on political environment in which public policy takes place, legal framework affecting policy, ethical considerations impacting policy makers, policy change and policy evaluation.

2700. Introduction to Political Theory (3). An examination of selected ideas and writers in the general field of political theory and philosophy. Political theory is concerned with basic questions about community, ideals that shape the foundations of social and political organization, and the nature of legitimacy of political authority, justice, and equality in social life.

2760. Statistics for Social Science (3). Pr. MATH 1050 or MATH 1100 or MATH 1120 or MATH 1150. This course introduces the student to basic methods of presenting and analyzing social science data. Topics to be covered include descriptive statistics, probability distributions, sampling distributions, confidence intervals, hypothesis testing, analysis of variance and linear regression.

2800. Campaigns and Elections (3). Surveying contemporary American political campaigns and elections, students examine the election cycle from the perspectives of political campaigns/candidates, campaign professionals, the mass media, and the voter.

2860. Political Film (3). Examines the role films play in political socialization and how film affects political memory and culture. Introduces key concepts of film analysis and applies them to the analysis of various types of political film including domestic and foreign productions of documentaries and feature films ranging from propaganda films, political drama, satires, comedies, to war film. Films are examined on content (subject) and message (intent).

2880. Women, Politics and Power (3). Surveys the many ways gender and politics intersect. Examines the role of women in society - their history as outsiders, their road to political power, and continuing issues of discrimination and representation. Uses experiential learning with the goal to empower students to become agents of change.

2970. Topics in Political Science (3). Surveys current themes and issues in various areas of political science. Topics selected by the instructor. May be repeated when topics vary.

3010. Research Design (3). Introduces students to various strategies used to conduct research in the study of politics, including both qualitative and quantitative approaches. Students will learn how to form research questions, write literature reviews and form theory, create testable hypotheses, measure important concepts, and conduct surveys and interviews.

3030. State and Local Government (3). Examines the institutions and processes of state and local governments in the United States.

3100. Education Policy and Politics (3). Introduces students to the political dynamics of education at the elementary, secondary, and postsecondary levels. Course content will cover a variety of longstanding and more recent issues in education, with special emphasis on the impact of public policy choices on educational institutions and practices.

3280. Power and Wealth in World Politics (3). Sophomore standing or higher. Explores the relationship between politics and economics in the modern international political economy, and the theories developed to explain the content and evolution of the international economic system. Focus is on trade, monetary, financial and production relations.

3300. Policy and Politics in Urban America (3). Pr. sophomore standing. Large cities and their surrounding suburbs are home to two-thirds of all Americans, and generate about three-fourths of America's gross domestic product. They also highlight substantial differences in wealth and poverty, and reflect the country's racial and ethnic diversity. We focus on the political processes and policies at play in these cities, including housing, schools, anti-poverty programs, and economic development.

3400. Introduction to Public Administration (3). Surveys administrative processes, including organizational behavior, leadership, decision making and policy formulation.

3440. Race, Ethnicity and Power (3). Examines the roles race and ethnicity play in American society and how both influence politics in the U.S. with special emphasis on public opinion, political participation, representation, and policy formulation. Includes experiential learning.

3450. Introduction to Comparative Politics (3). An examination of the institutions, political processes, functions and problems of major contemporary political systems from a comparative perspective.

3500. Public Policymaking (3). Provides an understanding of public policy by exploring the role of political actors, institutions, and the policy context. Explores how public policy is crafted, negotiated, and enacted. Also examines how and why policymakers focus on some issues and ignore others.

3510. Congressional Politics (3). An in-depth examination of the role of the U.S. Congress in national policymaking, focusing on the design of the legislative process, Congress-executive branch relations, congressional leadership structures, partisanship, interest groups, and representation.

3540. The American Presidency (3). Examines the American presidency, from the road to the White House through managing executive agencies and dealing with Congress and the courts. Analyzes how presidents select policy options and build coalitions or go it alone through unilateral action.

3550. Policy Analysis (3). Introduces issues and methods to provide an understanding of the role analysis plays in policymaking and analytical skills needed undertake policy analysis. Emphasizes skills for developing strong, well-reasoned, persuasive arguments and making articulate, coherent, convincing presentations.

3600. Judicial Politics (3). Broadly considers the role politics plays in affecting American legal jurisprudence.

3710. Nonprofit Administration (3). Introduces students to the nonprofit sector, including its scope and purpose, key features of its operation, and the particular challenges it faces as distinct from government and business organizations. The course will also expose students to common issues faced by nonprofit leaders and best practices for addressing them.

3810. Political Behavior (3). Surveys and examines the psychological, social, and economic basis of political participation ranging from conventional forms (voting, etc.), to unconventional forms (political protest), and political violence.

3850. Political Parties (3). Examines the foundations of political parties, why elected officials join them, and what roles parties play in organizing elections and policy-making.

3970. Topics in Political Science (3). Examines specific topics of conceptual and empirical relevance in various areas of political science. May be repeated when the topics vary.

4220. American Foreign Policy (3). Examines the forces that influence the formulation and execution of American foreign policy with illustrative case studies.

4250. Conflict and Diplomacy (3). An examination of the origins of modern diplomacy and the causes and consequences of landmark conflicts. Course pays special attention to the role of American power and the relationship between force and diplomacy from the dawn of the state system to the contemporary era.

4350. Area Studies (3). An in-depth analysis of the political environment, institutions and processes of government in a geographical area selected by the instructor.

4500. Southern Politics (3). Pr. POLS 1020. Examines contemporary political developments in the South, with an emphasis on the effect of historical, social and economic changes on current political processes and institutions.

4600. Constitutional Law: Civil Rights and Liberties (3). Pr. POLS 1020. This course explores the evolution of civil rights and liberties in American politics through the lens of the U.S. Supreme Court's written opinions. Key to the course are speech, religion, and privacy rights, in addition to the emergence of equality in voting and accommodations for minorities.

4610. Constitutional Law: The Separation of Powers (3). Pr. POLS 1020. This course explores the historical struggle among state and federal institutions for political power and predominance in the United States through the lens of the U.S. Supreme Court's Written Opinions.

4820. Survey Research Experience (3). Pr. Min. grade of C in POLS 1020 or instructor permission. This course introduces students to the theory and practice of survey research. Students learn how to write, conduct, and interpret surveys using state-of-the-art data and software. Students will gain hands-on experience by conducting actual polls.

4840. Politics and the Mass Media (3). Pr. junior standing. Examines how mass media have altered democratic politics in the United States. Specific topics include the role of the media in electoral campaigns and how the news influences public opinion and policymakers.

4860. Political Psychology (3). Examines the psychological foundations of individual political behavior. Applies various social-psychological paradigms to the study of public attitudes, mass and elite behavior, social conflicts and foreign policymaking.

4870. Psychology of Terrorism (3). This course focuses on the psychological dimension of terrorism, a form of political violence which turns innocent civilians into random and symbolically representative targets. At the core of the course is the analysis of the terrorist's mindset.

4924. Internship (3-6). Pr. POLS 1020, 9 semester hours of POLS courses, permission of instructor. Practical experience in governmental agencies or related political activities; arranged and approved by head of the Department of Political Science and Public Administration. Only 6 hours credit from any combination of POLS 4932 and POLS 4924 may be applied toward the major requirement.

4932. Directed Studies (1-3). Pr. POLS 1020, 9 semester hours of POLS courses, permission of instructor. Directed study on a topic chosen jointly by the student and the instructor. Only 6 hours credit from any combination of POLS 4932 and POLS 4924 may be applied toward the major requirement.

4952. Senior Seminar (3). Pr. POLS 3010, junior standing. Students develop, research, write, and present an independent analysis of some political phenomenon. Topics and explanations are to be informed and guided by the relevant political science literature. Normally taken spring of senior year.

4970. Special Topics (3). In-depth examination of specific topics of current interest in political science-related fields.

Psychology (PSYC)

1000. General Introductory Psychology (3). A survey of the scientific study of behavior and mental processes. Offered every term.

1150. Introduction to Psychological Careers (3). This is a skill-building course that focuses on the breadth of the field of psychology. Students in this course will be guided in selecting a career goal and in the development of professional skills.

2120. Personal and Social Adjustment (3). A study of factors important in adjusting to today's world. Emphasis on the acquisition and development of adaptive behaviors. Usually offered summer term.

2130. Behavior Analysis (4). Pr. PSYC 2110. A study of basic learning principles, particularly operant and respondent behavior, reinforcement schedules, escape and avoidance behavior and secondary reinforcement. Usually offered fall term.

2190. Research Design (3). Pr. PSYC 1000. Foundations of scientific inquiry, including an introduction to general experimental principles and exercises designed to build conceptual reasoning, critical thinking and APA report writing skills. Offered fall and spring terms.

2450. Social Psychology (3). Pr. PSYC 1000. A survey of topics such as attitude formation and change, communication, social interaction, leadership, group structure and process and socialization. Usually offered every term.

2460. Psychology of Gender (3). Pr. PSYC 1000. An exploration of the psychological issues related to the biological, emotional, cognitive and social aspects of gender. Usually offered spring and summer terms.

2660. Cognitive Psychology (3). Pr. PSYC 1000. A survey of mental processes, including such topics as perception and attention, mental imagery, memory and learning, problem solving, language and information processing. Usually offered fall and spring terms.

2780. Human Growth and Development (3). Pr. PSYC 1000. A study of behavioral, emotional and social changes across the lifespan, from conception and infancy, through the childhood, juvenile, adolescent, adult and elderly years. Offered every term.

3190. Research Analysis and Statistics (3). Pr. PSYC 2190 and one of the following Core Math Courses: MATH 1020, MATH 1050, MATH 1100, MATH 1120, MATH 1150, MATH 1610, MATH 1620, MATH 2630, MATH2660, or STAT 2670. A course designed to train students to utilize the tools of statistical analysis in research design and implementation. Offered fall and spring terms.

3220. Emotional Development in Film (3). Pr. PSYC 1000. Emotional Development in Film is the study of how infants and children learn to experience, express, and regulate emotions and establish positive relationships with others. Movies and short films are used to help illustrate class lecture points and to enhance learning. This course should give you an appreciation for the complex relationship between genes social context and emotional development.

3280. Learning (3). Pr. PSYC 1000. A survey of various approaches to the study of problem solving and the conditions governing the acquisition and retention of verbal and nonverbal behavior.

3310. Health Psychology (3). Pr. PSYC 1000. Examines the relationship between behavior and physical health. Emphasis on factors associated with physical illness, well-being and adaptation to illness. Offered in fall and spring terms.

3320. Physiological Psychology (3). Pr. PSYC 1000. An examination of the physiological mechanisms underlying behavior, motivation and cognition.

3470. Culture and Psychology (4). Pr. PSYC 1000. WI. Studies the importance of culture in explaining human behavior. Encourages students to raise questions about traditional viewpoints in psychology and to evaluate different ways of understanding the diversity of human behavior in general. Usually offered every term.

3480. Social Cognition (3). Pr. PSYC 1000. Social cognition revolves around the cognitive foundations of many social psychological topics. Within this class, students will improve their understanding of the cognitive determinants of social behavior, social cognitive research methods, and continue to build upon their critical thinking skills.

3510. Personality (3). Pr. PSYC 1000. A survey of the scientific, phenomenological and psychodynamic approaches to the study of personality. Usually offered fall and summer terms.

3530. Abnormal Psychology (3). Pr. PSYC 1000. A survey of abnormal behavior, its classification, diagnosis, causes and treatment. Usually offered fall and spring terms.

3640. Criminal Psychology (3). Pr. PSYC 1000. Analysis of individual and organizational behavior in criminal justice settings.

3680. Legal Psychology (3). Pr. PSYC 1000. Legal Psychology is the study of the interaction between the individual and the legal system. This course will cover the major topics in the field, including eyewitness identification, investigative interviewing, interrogations, deception detection, the insanity defense, and criminal profiling. Throughout the course, we will examine psychological research that investigates issues related to the law and the legal process.

3750. Psychology of Prejudice & Discrimination (3). Pr. PSYC 1000 and PSYC 2450. The course will introduce student to the social-cognitive frameworks and psychological research used to understand the origins of stereotyping, prejudice, discrimination, and how they contribute to interpersonal and inter-group bias, hatred, and discrimination. Topics discussed in this class will be applied to a wide variety of social groups (e.g., race, gender identification, sexual orientation, age, religion, and weight).

3760. Industrial Psychology (3). Pr. PSYC 1000. A survey of the application of psychological technology to business, industry and organizations. Usually offered fall and spring terms.

4130. Behavior Modification (4). Pr. PSYC 2130. Learning and behavior analysis reviewed and applied with emphasis on the modification of human behavior.

4150. Principles of Psychological Assessment (3). Pr. PSYC 1000 and 6 hours of PSYC. Theory of psychological measurement and a survey of different categories of psychological testing. Offered fall and spring terms.

4160. History and Systems in Psychology (3). Pr. PSYC 1000, 9 hours of PSYC. An examination of the historical sources of modern psychology and the various theoretical and methodological orientations that developed within the field. Offered fall and spring terms.

4193. Advanced Research Methods (4). Pr. PSYC 3193. A lecture and laboratory course devoted to research issues, including experimental design, interpretation of data and communication of experimental results.

4210. Clinical Psychology (3). Pr. PSYC 1000 and PSYC 3530. This course provides an overview of the field of clinical psychology. We will focus on the settings, clients, and activities of clinical psychologists. In particular, we will cover ethical, conceptual, and methodological issues facing clinical psychologists that relate to assessment, psychotherapy, and interventions.

4330. Sensation and Perception (3). Pr. PSYC 1000. A survey of how organisms sense and perceive the environment. Topics include stimuli that activate the sense organs and theories and research about how the brain and past experiences convert sensations into perceptions.

4350. Psychopharmacology: Drugs and Behavior (3). Pr. PSYC 1000. The study of chemicals that have the potential to alter mood, perception or behavior. Includes the composition and effects of such drugs, theoretical perspectives and empirical research. Usually offered summer term.

4640. Personnel Selection and Utilization (3). Pr. PSYC 1000, PSYC 3510, PSYC 3760. Application of psychological principles to recruiting, selecting, evaluating and training of factory, office, labor and professional personnel.

4740. Advanced Industrial-Organizational Psychology (3). Pr. PSYC 1000, PSYC 3760. Provides an in-depth focus on issues in industrial-organizational psychology. Basic theoretical positions and empirical findings emphasized.

4860. Political Psychology (4). Pr. junior standing. Examines the psychological foundations of individual political behavior. Applies various social-psychological paradigms to the study of public attitudes, mass and elite behavior, social conflicts and foreign policy-making. Usually offered fall term.

4902. Independent Study in Psychology (2-6). Pr. three 3-credit courses at 3000 level or higher and permission of instructor and department chair. Students work under the direction of a faculty member on a topic area of interest. Except in unusual circumstances, students are not normally allowed more than one independent study. All independent studies require a written contract.

4924. Practicum in Psychology (2-6). Pr. three 3-credit courses at 3000 level or higher and permission of instructor and department. Each student works under supervision of a faculty member in a departmentally approved setting to learn skills by providing psychological services. Available every term with consent of an instructor and the department chair.

4952. Seminar in Psychology (3). Pr. PSYC 1000, 6 hours of PSYC. Topics for the seminar vary, based on student and faculty interest. Offered every term.

Quantitative Methods and Decision Science (QMTD)

2740. Business Statistics I (3). Pr. Min. grade of C in: INFO 2050 and MATH 1050 or MATH 1120. The introduction and application of elementary statistics to decision making in business and economics, including descriptive statistical measures, probability, probability distributions, and estimation. Duplicate credit will not be allowed for ECST 2740, QMTD 2740, and STAT 2670.

2750. Business Statistics II (3). Pr. QMTD 2740. A continuation of Business Statistics I, including analysis of variance, Chi-Square, regression and correlation, and nonparametric methods. Duplicate credit will not be allowed for QMTD 2750 and MATH 3670.

3100. ERP and Business Process Management (3). Pr. Min. grade of C in INFO 3070. This course introduces core concepts of Business Processes and application of Enterprise Resource Planning within organizations. Students will learn how to design, implement, and manage business processes using an ERP solution. Case studies and projects will be required to reinforce student's learnings.

3300. Managing Operations across the Value Chain (3). Pr. Min. grade of C in INFO 3070. This course is an introduction to concepts, principles, problems, and practices of supply chain management. Emphasis is on managerial processes for effective operations in both goods-producing and service-rendering organization. Topics include strategic overview of supply chain management, value adding activities, procurement/logistics, relationships and management of suppliers, production processes, and distribution.

3500. Statistical Quality Control (3). Pr. QMTD 2750, junior standing. The theory and application of inspection sampling plans and control charts for the design, specification and control of product quality.

3600. Operations Management (3). Pr. Min. grade C in: ACCT 2020, ECON 2020, INFO 2050, MNGT 2410, QMTD 2750, BUSN 3060, INFO 3070, FINA 3610, MKTG 3310, MNGT 3380, MATH 1050 or MATH 1120 or MATH 1150. Examines the concepts, principles, problems, and practices of operations management. Emphasis is on managerial processes for effective operations in both goods-production and service-rendering organization in a global environment.

3800. Product Design and Measurement (3). Pr. QMTD 3600. The design and location of production and service systems. Attention is given to process analysis, motion study, time study and synthetically established standards.

3840. Materials Management (3). Pr. QMTD 3600. A study of production scheduling in continuous job shop and project management environments.

4010. Project Resource Management (3). Pr. INFO 3950. This course teaches the advanced project management topics of project scheduling, risk management, quality management, and cost control.

4100. Project Procurement (3). Pr. INFO 3950. This course explores the procurement process including procurement planning, vendor selection, contract creation, vendor management, and supply chain integration during the project life cycle.

4500. Production Planning and Control (3). Pr. INFO 3070. The primary principles underlying the management of production planning and control of production processes are covered. Topics covered include operations strategy, capacity planning, master production scheduling, aggregate planning, materials requirement planning, inventory management, production activity control, supply-chain management, just-in-time systems, lean manufacturing, agile manufacturing, the relationship of ERP planning, and other pertinent topics.

4750. Quantitative Methods of Management (3). Pr. QMTD 3600. Use of quantitative methods in managerial decision making.

4760. Forecasting (3). Pr. QMTD 3600. The theory and application of regression, smoothing and autoregressive-integrated moving average models to practical problems in business forecasting.

4780. Materials Management II (3). Pr. QMTD 3840, junior standing. The design and control of systems to guide and coordinate the flow of inputs and outputs through the physical system for producing and distributing goods and services. Includes forecasting for inventory decisions, requirements planning, scheduling and systems management.

4800. Seminar in Operations Management (3). Pr. MKTG 4730, QMTD 4760 and QMTD 4780, senior standing. A capstone course for the Decision Science option encompassing all aspects of production and operations management, including planning, coordinating and controlling operations of profit and not-for-profit enterprises. Topics include managing change, computer integrated manufacturing and total quality management.

4900. Independent Study (1-3). Pr. Department head approval. Variable content as determined by faculty member outside of the classroom setting. May be repeated up to 6 hours.

4924. Internship in Decision Science (1-3). Pr. Department head approval. Provides students with the opportunity to gain valuable insight through practical decision science experience so they may better correlate their academic experience with a professional, real-world environment. Business or decision science elective credit.

4970. Special Problems/Special Topics (3). Pr. Department head approval. Variable content in decision science within the classroom setting. May be repeated for up to 6 hours.

Reading Education (READ)

0700. College Reading Skills (3). Instruction and practice in reading skills necessary for successful study and comprehension of college reading materials. Credit for this course is in addition to minimum degree requirements.

3300. Methods of Teaching Literacy (9). Pr. Admission to professional education. The purpose of this course is to provide preservice teacher candidates with a solid foundation for effective literacy instruction grounded in the science of reading. Candidates will gain knowledge of effective lesson planning, instruction, and assessment. Field experiences (30 hours) are embedded to observe and practice reading instruction.

3303. Language and Literacy I (3). Pr. Admission to Professional Education. Co-req. READ 3313 and READ 3323. An emphasis is placed on child development, learning theories, individual differences, emergent and early literacy, children's literature, and examination of current materials and instructional practices used in teaching literacy for the emergent and developing reader. Field experience required.

3313. Language and Literacy II (3). Pr. Admission to Professional Education, Co-req. READ 3303 and READ 3323. This course is designed to build on concepts introduced in READ 3303. An emphasis is placed on curriculum, methods, strategies, and materials related to teaching for comprehension and fluency, content area literacy, and techniques to incorporate children's literature across the curriculum. Field experience required.

3323. Language and Literacy III (3). Pr. Admission to Professional Education, Co-req. READ 3303, READ 3313. This course is designed to build on concepts introduced in READ 3303 and 3313. An emphasis is placed on teaching writing and the use of children's literature and the foundation of the language arts program for P-6 students. Strategies for the integration of all language arts skills – reading, writing speaking, listening, viewing, and visually representing -- are covered. Field experience required.

4000. Content Area Literacy (3). Pr. Admission to Professional Education Program, Secondary Education Major. This course is designed to promote best literacy practices for secondary education majors within their content area. The class focuses on content area literacy in the areas of vocabulary development, comprehension, and writing.

Religious Studies (RELI)

2010. Introduction to World Religions (3). A general survey of the major religions of the world including Judaism, Christianity, Islam, Hinduism, Buddhism, and Shintoism with a focus upon important texts and historical development, beliefs, and practices.

3000. Theories and Methods (3). This course introduces students to the major theoretical and methodological approaches that have shaped the study of religion. Topics include the distinction between religious studies and theology, the interdisciplinary nature of the field, and analyses of major classical and contemporary thinkers.

3040. Survey of Early Islam (3). Pr. ENGL 1010. A general survey of Pre-Mohammedan Arabia, the life of Mohammed, basic beliefs and practices, the early Caliphs, and an overview of the first two Islamic dynasties (Omayyad and Abbasid); with an emphasis upon historical, social, political, and cultural contexts.

3100. Introduction to Islam (3). An introduction to the Islamic thought, culture and society, considering both Classical Islam and Islam in the modern world.

4000. Jesus and the Gospels (3). A survey course for students of junior standing which will explore the representation of Jesus in the Canonical (Matthew, Mark, Luke, and John) and non-Canonical (e.g., Gospel of Bartholomew, Gospel of Judas) Gospels with a focus on the formation of the New Testament Canon.

4900. Senior Thesis (3). Pr. RELI 3000 RELI 3010. A course geared to the production of a lengthy project in Religious Studies showing a mastery of skills and knowledge in the field.

Secondary Education (SCED)

4000. Principles of Teaching in Diverse Environments (3). Pr. Admission to professional education. An introduction to basic principles of teaching, including planning, classroom environments and relationship skills; teaching strategies for diverse student abilities; multicultural education; professionalism; and classroom management. Field experiences required. May be taught concurrently with SCED 6000.

4050. Classroom Management and Teaching in Middle and Secondary Schools (4). Pr. Admission to professional education; SCED 4000. Instructional methods, the learning process and evaluation of learning in middle and secondary school settings, theory and application of curriculum development for various academic disciplines. Special needs of adolescents are addressed. Field experiences required. This class will be taught as writing intensive. May be taught concurrently with SCED 6050.

4100. Teaching Methods for Secondary English Language Arts (3). Pr. Admission to professional education; SCED 4000 and SCED 4050. Required course for all students teaching secondary language arts. Provides specific instructional strategies and techniques for teaching language arts. Curriculum standards and assessment strategies reviewed. Field experiences required. May be taught concurrently with SCED 6100.

4110. Teaching Methods for Secondary Math (3). Pr. Admission to professional education; SCED 4000 and SCED 4050. Required for all students teaching secondary mathematics. Provides specific instructional strategies and techniques for teaching mathematics. Curriculum standards and assessment strategies reviewed. Field Experiences required. May be taught concurrently with SCED 6120.

4120. Teaching Methods for Middle School (3). Pr. Admission to professional education; SCED 4000 and SCED 4050. Required for all students seeking middle school certification. Specific techniques for teaching middle school addressed: teaming, interdisciplinary themes and units, exploratory courses and adviser/advisee programs. Field experiences required. May be taught concurrently with SCED 6120.

4130. Teaching Methods for Secondary Science (3). Pr. Admission to professional education; SCED 4000 and SCED 4050. Required for all students teaching secondary science. Provides specific instructional strategies and techniques for teaching science. Curriculum standards and assessment strategies reviewed. Field experiences required. May be taught concurrently with SCED 6130.

4140. Teaching Methods for Secondary Social Studies (3). Pr. Admission to professional education; SCED 4000 and SCED 4050. Required for all students teaching secondary social science. Provides specific instructional strategies and techniques for teaching social studies. Curriculum standards and assessment strategies reviewed. Field experiences required. May be taught concurrently with SCED 6140.

4152. Teaching Methods for Art (3). Pr. Admission to professional education; SCED 4000 and SCED 4050. Required for all students teaching art. Provides specific instructional strategies and techniques for teaching art. Curriculum standards and assessment strategies reviewed. Field experiences required. May be taught concurrently with SCED 6152.

4914. Practicum in Education (1-3). Co-req. SCED 4924. Independent (directed) field experience during internship. This course may be taught concurrently with SCED 6914.

4924. Professional Internship (9). Pr. Admission to internship. Students are placed in public schools for supervised teaching experiences. Students must submit an application for internship approved by their adviser to the director of field and clinical experiences.

4982. Bachelor's Comprehensive Examination (0). Pr. Departmental approval. A comprehensive exam to evaluate undergraduate study.

Social Work (SOWK)

1000. Introduction to Social Work (3). Examines key concepts, ethics, and theories, of social work practice. Further examines areas of specialization within social work.

2000. Professional Development for Social Workers (3). Pr. SOWK 1000. Students learn professional behavior, self-care, basic knowledge and skills relevant to professional social work practice. Course examines personal values, as well as societal values and analyzes their interaction and interrelationship with the social work professional values.

2220. History of Social Welfare (3). Philosophical and historical perspectives of social welfare services and social work practice. Analytical understanding of social welfare programs, policies, and issues.

3000. Diversity and Social Justice (3). Pr. SOWK 2000, and ANTH 2110. Students learn multicultural social work practice and the importance of cultural competence. Student assess their level of self-awareness and ability to engage in critical thinking on issues of diversity and social justice, as well as advocate on behalf of others, particularly vulnerable populations.

3100. Human Behavior and Social Environment (3). Pr. BIOL 1000 or BIOL 1010, and SOCI 2000, and PSYC 2110, and SOWK 2000. Focuses on stages of human development from conception to death. Examines frameworks, theories, and research addressing culturally sensitive understanding of human development and behavior in the context of individuals, families, groups, communities, and organizations.

3110. Human Behavior and Social Environment II (3). Pr. SOWK 3100. Examines group, community and organizational theories and dynamics in the context of human development, diversity, and social justice.

3200. Social Work Practice I (3). Co-req. SOWK 3201. Restricted to Social Work Majors. Development of generalist practice skills with a focus on direct services to individuals and families within a person-in-environment context.

3201. Field Practicum Preparation (0). Co-req. SOWK 3200, restricted to Social Work Majors. Preparation for field practicum. Students will complete a variety of tasks required for successful entry and completion of field practicum.

3400. Social Work Practice II (3). Pr. Restricted to Social Work Majors. Development of generalist practice skills with a focus on direct services to groups, organizations, and communities within the person-in-environment context.

3600. Social Welfare Policy (3). Pr. SOWK 2220 and POLS 1020. This course provides an overview of social policy and its implication on diverse populations. Students will analyze current social welfare policy to inform social work policy practice.

3720. Alcohol, Drugs, and Society (3). Pr. SOWK 1000 or SOCI 2000 or permission of instructor. This course is designed to help students develop an understanding of the use and abuse of alcohol and drugs from a sociological perspective.

3970. Special Topics in Social Work (3). Examines topics from a social work perspective. Topics announced prior to the beginning of each semester. May be repeated for a maximum of 6 hours of credit.

4020. Methods Social Work Research (3). Pr. SOWK 2000 and ECST 2760 or MATH 2760 or SOCI 3010; admission to BSW Program; junior standing. Course develops students as generalist social workers. Students identify and apply research to advance social work practice, policy, and social welfare and obtain knowledge to monitor their practice, evaluate agency programs, social welfare policies, and understand ethical use of social work research.

4110. Spirituality in Social Work Practice (3). Pr. SOWK 1000. This course provides a framework of knowledge, values, skills and experiences to promote culturally competent, ethical, spiritually-sensitive social work practice, which takes into account diverse expressions of spirituality.

4300. Field Practicum (9). Co-req. SOWK 4310; Pr. SOWK 2000, SOWK 2220, SOWK 3000, SOWK 3100, SOWK 3110, SO2K 3200, SOWK 3201, SOWK 3400, SOWK 3600, SOWK 3760, and SOWK 4020. Cumulative GPA 2.5. Restricted to Social Work Majors. Agency-based learning experiences that allow the students to develop generalist practitioner skills for social work practice with diverse individuals, families, small groups, organizations, and communities. Requires a minimum of 400 hours of supervised practice in a community agency.

4310. Field Practicum Seminar (3). Co-req. SOWK 4300; Pr. successful completion of all Social Work coursework; senior standing. Restricted to Social Work Majors. Taught concurrently with SOWK 4300. Provides forum to discuss practice-related issues and integration of social work knowledge, skills, values, and ethics; emphasizes importance of evaluating one's own practice; integrates foundation content with field experience; emphasis on generalist practice.

4410. Social Work with Military Populations (3). Pr. SOWK 1000. Understand the culture, structure, and context of the military. Provide an overview of practice with military members, veterans, their families, and their communities.

4420. Social Work and Mental Health (3). Pr. SOWK 1000. Students will gain an overview of the role of social work in mental health including prevention, intervention, advocacy, and policy.

4430. Gerontological Social Work (3). Pr. SOWK 1000. Provide an overview of practice with older adults through a bio-psycho-social approach including assessment, interventions, and policies/program related to aging.

4440. Global Child Advocacy (3). Pr. SOWK 1000. Prepares students to recognize child advocacy issues around the world. Multidisciplinary approaches to advocacy in different countries throughout the world will be presented and discussed.

4450. Child Welfare & Maltreatment (3). Pr. SOWK 1000. This elective is designed to familiarize students with the field of child welfare, its history, current policy and practice issues, the diversity of families structures and contexts, with a focus on the various forms of child maltreatment and best practices for response.

4460. Social Work Practice with Teens (3). Pr. SOWK 1000. This course will examine an understanding of social work practice with adolescents by focusing on their strengths and needs, based upon ecological and strengths frameworks. Students will also explore legal and ethical issues related to adolescents.

4470. Forensic Social Work (3). Pr. Junior Standing or permission of instructor. Familiarizes students with the practice issues related to work with clients within the criminal justice system and legal systems, focusing on theory, practice, intervention and advocacy with diverse forensic populations.

4500. Social Work Practice and Family Violence (3). Pr. SOWK 3200. Examines family violence; suggests strategies for social work intervention with violent families, including those involving child abuse and neglect, spouse abuse, and elder abuse. Issue viewed from dual perspectives of societal concerns and social work interventions, including policies and programs.

Sociology (SOCI)

2000. Introduction to Sociology (3). An introduction to sociological concepts, research techniques, and theories. The course also focuses on some of the substantive areas of sociology, encompassing collective behavior, gender roles, deviance, social class, and population. American institutions, for example family and religion are studied.

2007. Introduction to Sociology, Honors (3). Pr. Admission to HONORS program and permission of instructor. Introduction to sociological concepts, research techniques and theories. An introduction to sociological concepts, research techniques, and theories. The course also focuses on some of the substantive areas of sociology, encompassing collective behavior, gender roles, deviance, social class, population and American institutions. Enhanced honors version of SOCI 2000.

2010. Social Problems (3). Studies how social phenomena come to be treated as problems. Topics to be considered may include health care, sexual deviance, crime and juvenile delinquency, alcohol and drug abuse, aging, family organization, poverty and population.

2020. Intimate Relationships (3). An analysis of personal relationships in both traditional marriage and alternate forms. Examines adjustments required in the establishment and maintenance of family-type structures today.

2250. Human Sexuality (3). Study of the sociological and anatomical aspects of human sexuality. Examines sexual responsibility, sexual values, sexual practices and techniques, contraceptives, sexually transmitted diseases, deviant sexual practices, sexual dysfunctions and laws pertaining to sexual conduct.

3000. Social Theory (3). Pr. SOCI 2000. Sociological theory from the 19th-century to the present, including major theoretical perspectives, such as functionalism, conflict, interactionism and postmodernism.

3010. Research and Methodology I (3). Pr. SOCI 2000 and MATH 1100; Co-req. SOCI 3011. Statistical reasoning and techniques used by social scientists to summarize data and test hypotheses. Examines sampling, descriptive and inferential statistics, central tendency and distribution, probability, variance and regression analyses.

3011. Research and Methodology I Laboratory (1). Pr. SOCI 2000 and MATH 1100; Co-req. SOCI 3010. Computational aspects of SOCI 3010 Research and Methodology I. Introduction to Statistical Package for Social Sciences (SPSS), a statistical analysis program.

3020. Research and Methodology II (3). Pr. SOCI 2000 and SOCI 3010 and SOCI 3011 or ESCT 2760 or CPPJ 2760. Introduction to sociological research including the principles of survey, experimental and field research designs, the collection, analysis and reporting of data through an actual field experience include data-collection techniques, sampling, measurement, analysis and ethics.

3050. Women and Culture (3). Pr. SOCI 2000. Investigates the social roles, contributions, and challenges of women in with a focus on western culture.

3070. Sociology of Gender (3). Examines the social definitions and implications of gender, how gender structures social institutions, and how gender impacts the distribution of resources, power, and privilege.

3100. Juvenile Delinquency (3). Pr. SOCI 2000. Analysis of factors contributing to delinquent behavior among youth in the United States and other societies. Current theories, extent, treatment and prevention of delinquency are also considered.

3150. Criminology (3). Pr. SOCI 2000. Examines contemporary research findings and sociological theories on criminal behavior, societal reaction to crime, law enforcement, judicial processing, corrections, and crime reduction strategies.

3200. Social Stratification (3). Pr. SOCI 2000. Introduction to the development, stability, and changes of systems of social inequality, techniques for studying systems of social inequality and the characteristics and consequences of social class membership.

3250. Sociology of Health and Illness (3). Pr. SOCI 2000. Sociocultural definitions and responses to illness; organization of health and medical institutions; social epidemiology of disease; changing doctor-patient relationships; inequality and the distribution of health care; and emphasis on sociocultural and environmental factors influencing health and illness.

3300. Sociology of Death and Dying (3). Pr. SOCI 2000. Study of death and dying, including the varied conceptions of death, the dying process, dying as a sociocultural process and the death industry.

3720. Alcohol, Drugs and Society (3). Pr. junior standing. This course is designed to help students develop an understanding of the use and abuse of alcohol and drugs from a sociological perspective.

3970. Special Topics in Sociology (3). Examines topics from a sociological perspective. Topics announced prior to the beginning of each semester. May be repeated for a maximum of 6 hours of credit.

4050. Sociology of Deviance (3). Pr. SOCI 2000. Examines behavioral and non-behavioral forms of norm violations from theoretical, methodological and evidentiary sources. Possible topics include substance abuse, mental and physical illness, sexual deviations, suicide, violence and societal reactions to forms of deviance.

4100. Minority Groups (3). Pr. SOCI 2000. Intergroup relations in the United States with an emphasis on race in the processes of assimilation, amalgamation and pluralism. Problems related to prejudice, discrimination, social injustice, oppression, identity formation and prevailing power arrangements analyzed.

4200. Urban Sociology (3). Pr. SOCI 2000. Examines the city in historical and contemporary contexts. Focuses on the internal structure and functioning of the city, including ecological patterns, power arrangements, community institutions, minority group relations, class systems and demographic characteristics.

4300. Sociology of the Family (3). Pr. SOCI 2000. Analysis of family with emphasis on structural features, internal dynamics and current trends.

4350. Social Psychology (3). Pr. SOCI 2000, junior or senior standing. Study of the nature and causes of individual behavior in social situations, including orientation to theory and research methods with emphasis on research studies and practical application of principles.

4360. Sociology of Religion (3). Pr. SOCI 2000, junior or senior standing. Sociological perspective of religion, including the effect of religion on behavior and attitudes and the reciprocal relationship of religion with other societal institutions.

4440. Global Child Advocacy Issues (3). Prepares students to recognize child advocacy issues around the world. Multidisciplinary approaches to advocacy in different countries throughout the world will be presented and discussed.

4450. Child Welfare & Maltreatment (3). This elective is designed to familiarize students with the field of child welfare, its history, current policy and practice issues, the diversity of families structures and contexts, with a focus on the various forms of child maltreatment and best practices for response.

4500. Sociology of Education (3). Pr. C or better in SOCI 2000 or permission of instructor. This course explores research and theory as it relates to the education of individuals, communities, and nations, emphasizing US education. Major areas of inquiry include sociology of education's insights on adolescent peer groups, families, social inequality, and public policy debates.

4720. Substance Abuse Prevention and Education (3). Pr. SOCI 3720 or SOWK 3720. Provides an overview of theories, principles, and strategies related to alcohol and drug prevention. Students will learn a variety of innovative strategies for prevention program assessment, selection, planning, marketing, implementation, and evaluation to develop an effective substance abuse plan.

4730. Substance Abuse Prevention with Special Populations (3). Pr. SOCI 3720 or SOWK 3720. Students will learn a variety of innovative strategies for prevention program assessment, selection, planning, marketing, implementation, and evaluation to develop an effective substance abuse prevention plan directed toward special populations.

4824. Internship in Substance Abuse Prevention (4). Pr. SOCI 4720, SOCI 4730. This course provides students with the opportunity to gain valuable insight into substance abuse prevention services through practical experience in a professional, real-world environment.

4900. Independent Study in Sociology. (1-3). Pr. Permission of the instructor. Independent reading and/or research in selected areas of sociology.

4924. Internship in Sociology (3). Pr. junior or senior standing. Provides students with an opportunity to gain valuable insight through practical sociological experiences in a workplace setting.

4950. Senior Capstone in Sociology (3). Pr. SOCI 3000 and senior standing or permission of instructor. Capstone experience reflecting on academic, personal, and professional development, focusing on sociology and anthropology program learning outcomes, student interests, and/or student projects.

Spanish (SPAN)

1010. Elementary Spanish I (4). Basic language skills with emphasis on conversation and exposure to Hispanic civilization. For students with less than two years of high school Spanish. Multimedia computer lab required.

1020. Elementary Spanish II (4). Pr. SPAN 1010 or departmental approval. Fundamentals of Spanish language skills with emphasis on conversation and exposure to Hispanic civilization. Fulfills School of Liberal Arts foreign language core requirement. Multimedia computer lab required.

2010. Intermediate Spanish I (4). Pr. SPAN 1020 or departmental approval. Review of grammatical structures, development of reading and writing skills and increased understanding of Hispanic cultures. Multimedia computer lab required.

2020. Intermediate Spanish II (4). Pr. SPAN 2010 or departmental approval. Review of grammatical structures, development of reading and writing skills and increased understanding of Hispanic cultures. Multimedia computer lab required.

3030. Spanish Conversation (3). Pr. SPAN 2020 or departmental approval. Intensive practice and review of vocabulary and structure.

Special Education (ESPE)

3740. Understanding Exceptionalities (3). Understanding Exceptionalities focuses on topics such as special education law, incidences of disabilities, and the philosophy of teaching exceptional students.

3760. Survey of Exceptionalities (3). Pr. Min grade of C in FNDS 2010. A survey of the various exceptionalities, including the etiology, incidence, laws and strategies related to teaching students with exceptionalities. Field Experience is included.

4040. Introduction to Early Childhood Special Education (3). Pr. ESPE 3760 and ESPE 4200, admission to professional education. A survey of trends, issues and evidence-based strategies related to teaching young students with exceptionalities. The course will focus on Early Intervention and Preschool Special Education for students from birth to age 8.

4050. Behavior Management of Students with Exceptionalities (3). Pr. Admission to professional education. This course presents the theoretical foundations and evidence-based strategies for managing behavior of all students including those students with exceptionalities who consistently exhibit inappropriate behaviors in the classroom.

4200. Special Education: Critical Professional Components (3). Pr. Admission to professional education. An introduction to critical professional components in special education. Topics include ethics, roles and responsibilities of the special educator, special education law, policies and procedures and transition.

4300. Introduction to Assessment for Diverse Learners (3). Pr. Admission to professional education. The course is designed to address the multi-assessment approach related to studying formal and informal assessment. Participants will learn to administer standardized assessment instruments as well as interpret assessment results for the purpose of writing individualized educational programs for students with exceptionalities.

4310. Data Based Instruction for Diverse Learners (3). Pr. Min. grade of C in ESPE 4300. This course examines the cycle between instructional planning, instruction, and assessment for diverse learners. The focus of the course will be alignment between standards/IEP goals, instruction and assessment; monitoring student progress; and using data to make instructional and programmatic decisions.

4350. Collaboration and Consultation (3). Pr. Admission to professional education. Examination of and training in collaborative teaching in educational settings. Participants will study interpersonal relationships with other professionals in the school setting and with families of students with exceptionalities. Included are evidence-based best practices in collaboration, the fundamentals of group processes and skills needed for collaboration.

4400. Methods, Materials and Curriculum for Students with Significant Support Needs (3). Pr. ESPE 4200, admission to professional education. Study of curriculum, methods, and materials for learners with autism, other health impairments, and moderate and severe disabilities. Emphasis on specialized procedures and educational and vocational skills to facilitate normalization and independent living.

4450. Applied Behavior Analysis for Teachers (3). Pr. Min. grade of C in ESPE 4050. This course will provide candidates with an overview of the science of behavior analysis and practical skills to plan, implement, and evaluate behavior management programs for diverse learners. In addition, ethical considerations regarding behavior change procedures will be described.

4500. Teaching and Learning Strategies for Students with Exceptionalities (3). Pr. ESPE 4200, admission to professional education. Emphasizes evidence-based teaching and learning strategies to meet the individual learning needs of students with exceptionalities. Included are methods for providing accommodations and making modifications for students to be successful learners in the general education curriculum. May be taken concurrently with ESPE4914.

4550. Secondary Instruction for Diverse Learners (3). This course emphasizes evidence-based teaching and learning strategies to meet the individual learning needs of students with exceptionalities at the secondary level. Included are methods for providing accommodations and making modifications for students to be successful learners within the secondary curriculum.

4600. Working with Families of Students with Exceptionalities (3). Pr. Admission to professional education. Principles of working with families of students with exceptionalities from diverse backgrounds. Emphasis given to evidence-based and best practices of working with families to help students be successful learners.

4902. Studies in Special Education (3). Guided investigation of a current, pertinent topic in an area related to children and youth with exceptionalities. Topics will be selected in consultation with course instructor.

4912. Introduction to Practicum and Internship in Special Education (1). Pr. ESPE 3760, admission to professional education. This course is designed to introduce teacher candidates to the process of becoming a teacher. May be taken concurrently with ESPE 4913, 4914, and/or 4915.

4913. Practicum I in Special Education (3). Pr. Min. grade of C in ESPE 4912, admission to professional education. This course is first in a sequence of three practicums for candidates in special education programs of study providing experiences in settings with students with exceptionalities. Candidates participate in 50 hours of ongoing site experiences in P-12 settings.

4914. Practicum II in Special Education (3). Pr. ESPE 4500, admission to professional education. Supervised field experiences in classroom settings with students with exceptionalities. May be taken concurrently with ESPE 4500.

4915. Practicum III in Special Education (3). Pr. ESPE 4914, admission to professional education. This course is a field experience to provide practice and observation of the various teaching methods and materials appropriate for use in teaching secondary students with special needs.

4922. Early Childhood Special Education Professional Internship (6). Pr. Adviser and departmental approval. Restricted to ECSE concentration. With adviser approval, teacher candidates must submit an application for internship to the College of Education Director of Field and Clinical Experiences for the Early Childhood Special Education Professional Internship. After the application is approved, candidates are placed in accredited public schools for one semester of supervised teaching experiences.

4924. Collaborative K-6 Professional Internship (6). Pr. Min. grade of C in ESPE 3760, adviser and departmental approval. Restricted to SPED concentration. With adviser approval, candidates must submit an application for internship to the College of Education Director of Field and Clinical Experiences for the Collaborative K-6 Professional Internship. After the application is approved, candidates are placed in accredited public schools for one semester of supervised teaching experiences.

4925. Collaborative K-12 Professional Internship (6). With adviser approval candidates must submit an application for internship to the College of Education Director of Field and Clinical Experiences for the Collaborative K-12 Professional Internship. After the application is approved, candidates are placed in accredited public schools for one semester of supervised teaching experiences.

4926. Collaborative 6-12 Professional Internship (6). Pr. Advisor and departmental approval. Restricted to SPH concentration. With adviser approval, teacher candidates must submit an application for internship to the College of Education Director of Field and Clinical Experiences for the Collaborative 6-12 Professional Internship. After the application is approved, candidates are placed in accredited public schools for one semester of supervised teaching experiences.

4974. SPED Professional Development (1). Develop further understanding of principles and methods of teaching, classroom management, and communication while providing guidance to pre-service teachers and to prepare these teachers for successful entry into the K-12 classroom.

4982. Bachelor's Comprehensive Examination for Collaborative Teacher (K-6) 4982/Elementary, Collaborative Teacher (6-12), Early Childhood Special Education (0). Pr. Adviser and Departmental approval. Comprehensive examination of knowledge and skills from professional courses in special education.

Statistics (STAT)

2670. Elementary Statistics (3). Pr. Min. grade of C# in MATH 0800, MATH 0803, MATH 0902, or MATH 0903, OR Min. grade of C in MATH 1050 or MATH 1120; OR ACT Math: 22 or (ACT Math min. score of 20 AND MATH 2672) or Math Placement Level test min. score of 4 or SAT Math min. score of 520 (pre 3/2016) or 550 (post 3/2016) or ALEKS Math Placement test min. score of 46 or (ALEKS math placement min. score of 41 AND MATH 2672). Basic concepts and principles in statistics. Topics include probability, frequency distributions and sampling, hypothesis testing, correlation and regression. A maximum of 3 hours' credit for QMTD 2740, BIOL/MATH 2200, STAT 2670 and MATH 2680 may be applied towards graduation requirements for Math and Computer Science Majors.

2680. Inferential Statistics (3). Pr. Min. grade of D in MATH 1100 or MATH 1120 or MATH 1150 or MATH 1510 or MATH 1610. Fundamentals of applied statistics: hypothesis testing, confidence intervals, correlation, regression, goodness of fit, analysis of variance and nonparametric statistics. A maximum of 3 hours' of credit for QMTD 2740, STAT 2670 and MATH 2680 may be applied to graduation requirements for Math and Computer Science Majors.

3000. Statistics Computing Using R Programming (3). Pr. STAT 2670 or MATH 1020 or MATH 1050 or MATH 1100 or MATH 1120 or MATH 1150 or MATH 1610. This course teaches introductory skills to analyze a data set using R programming. Topics include the basic syntax of R language, file input and output, data visualization, simple statistical tests, using add-on packages, performing simulations, and creating a report in R. No previous programming experience is assumed.

4150. Data Visualization (3). Pr. STAT 3000. Introduces data visualization techniques and exploratory data analysis. Real world case studies are presented via coding using a data visualization package for the statistical programming language R. Topics include creating and interpreting these visualizations, assessing effectiveness of different visualizations, and presenting results in reproducible data science reports.

4160. Productivity Tools (3). Pr. STAT 3000. Introduce important modern productivity tools for data science/statistics. Students will learn how to use statistics programming R Markdown to create reproducible data science/statistics reports, how to use Git and Github to perform version control, clone and create repositories, and how to use basic Unix command to perform file management.

4170. Data Wrangling (3). Pr. STAT 3000. Covers several standard steps of the data wrangling process in data science like importing data into R, tidying data, string processing, HTML parsing, working with dates and times, and text mining.

4210. Linear Regression for Statistical Learning (3). Pr. STAT 2670 and STAT 3000. STAT 4210 is a one-semester three-credit-hour course. This course teaches regression methods to analyze the relationship between the response and a set of predictors. Topics include least squares estimation, hypothesis testing, and confidence interval estimation in regression; simple and multiple linear regression; use of dummy variables; Diagnostics; model; transforms; model selection. A statistical software is necessary.

4310. Experimental Design (4). Pr. STAT 2670 and STAT 3000. STAT 4310 is a four-credit-hour course. The course teaches students to design valid statistical experiments and to analyze them. By the end of the course you will be able to design experiments in your field of study, analyze data from designed experiments using statistical software, and interpret the result. Topic include analysis of variance (ANOVA), completely randomized designs, complete block designs, Latin-Square designs, 2^p factorial designs, split-designs, and cross-over designs.

4500. Machine Learning (3). Pr. STAT 3000. Introduces supervised and unsupervised machine learning, popular machine learning algorithms, principal component analysis, recommendation system and regularization. Topics also include overtraining and techniques to avoid it such as cross-validation.

4610. Applied Time Series Analysis (3). Pr. STAT 3000 and MATH 1620 and (STAT 2670 or STAT 4670). Topics covered include basic concept of time series, stationary time series, trend analysis, regression methods, auto regressive (AR) models, moving average (MA) models, ARMA models, stationarity through differencing, autocorrelation function (ACF), partial autocorrelation functions (PACF), model diagnostics and forecasting.

4620. Probability and Stochastic Process (3). Pr. MATH 2630 and STAT 4670. Topics covered include conditional distributions, convolutions, moment generating functions, discrete and continuous time Markov chains, random walks, poison processes, Brownian motion.

4670. Mathematical Statistics I (3). Pr. MATH 1620. Basic probability theory, discrete and continuous distributions, discrete bivariate distributions, distribution functions of random variables, the Central Limit Theorem, basics of statistical inference including point estimation, interval estimation, hypothesis testing, and simple regression.

4680. Mathematical Statistics II (3). Pr. MATH 4670 or MATH 2630 or STAT 4760. A continuation of MATH 4670. Continuous bivariate distributions, hypothesis testing and assessing goodness of fit, analysis of variance, categorical data, multiple regression, and introduction to time series.

4690. Multivariate Statistics (3). Pr. STAT 4670 and MATH 2630 and (MATH 2660 or MATH 3660). Review of linear algebra, univariate normal, Student's t, chi-squared, and F distribution. Multivariate normal distributions and its visualization. Inference about multivariate means including generalized Student t, multivariate analysis of variance, Inference about covariance structure including principal components, factor analysis, and canonical correlation.

4700. Applied Nonparametric Statistics (3). Pr. STAT 4670. Topics covered include review of basic statistics; nonparametric statistical methods in univariate, bivariate, and multivariate data; Regression, goodness-of-fit tests; bootstrap methods; several nonparametric tests.

4710. Categorical Data Analysis (3). Pr. MATH 2630 and STAT 4670. Topics covered include distributions and inference for categorical data; contingency tables; inference for two-way contingency tables; logistic regression; models for binary and multinomial response data; linear models for contingency tables.

4924. Statistics/Data Science Internship (1-3). Pr. Permission of Instructor. Qualified students will be jointly supervised by faculty and statistician/data science professionals. Internship allows students to gain industrial work experience.

4932. Directed Statistics/Data Research (1-3). Pr. Permission of Instructor. Qualified students will be supervised by faculty to conduct statistics/data science research. Directed research allows students to gain research experience in solving real world problems.

5670. Mathematical Statistics I (3). Pr. Min. grade of C in MATH 1620. Basic probability theory, discrete and continuous distributions, discrete bivariate distributions, distribution functions of random variables, the Central Limit Theorem, basics of statistical inference including point estimation, interval estimation, hypothesis testing, and simple regression.

Theatre (THEA)

2040. Theatre Appreciation (3). A study of periods, genres and production techniques, with emphasis on developing a critical awareness and appreciation of theatre, cinema and television.

2103. Stagecraft (3). Study and practice in theatre stagecraft, focusing on construction methods, scene painting, rigging and handling of scenery and backstage organization.

2113. Stage Lighting (3). Study and practice in theatre lighting, including designing, hanging, focusing, maintaining and repairing stage lighting instruments. Students will produce light plots and paperwork needed for production.

2120. Film Appreciation (3). Introduction to film form, aesthetics, and criticism through engagement with historic, classic, and modern films, both domestic and foreign, cultivating a critical understanding and appreciation of film from a variety of perspectives. Same as COMM 2120.

2123. Costume Construction (3). Study and practice in theatre costuming, including pattern drafting and cutting, basic sewing techniques, construction methods and backstage organization and maintenance. Students in this course construct costumes and may serve as running crew during the semester's productions.

2914. Theatre Practicum (1). One hour credit in any aspect of production (acting, directing, construction, design or management) in any one semester. Work completed in this course must be exclusive of laboratory hours required in other Theatre courses. May be repeated for additional credit.

2973. Special Topics in Theatre I (3). An exploration of a topic from any area of the theatre. Special Topics in Theatre (THEA 2973, 3973, and/or 4973) may be repeated for a total of 12 semester hours, provided a different topic is selected each time.

3003. Oral Interpretation (3). Pr. COMM 1010 or ENGL 1020. Basic techniques and application of oral interpretation in reading prose, poetry and drama (same as COMM 3003).

3413. Fundamentals of Acting (3). Basic theories and techniques of acting and directing.

3433. Voice for the Actor (3). Study and practice of vocal techniques as applied to theatrical performance.

3443. Stage Movement (3). Study and practice of physical conditioning, reflex training and character transformation as applied to performance.

3453. Directing (3). Pr. THEA 3413. A critical analysis of the techniques of directing a play, including play selection, casting, rehearsing, and performing.

3463. Stage Management (3). Theory and techniques of stage management with emphasis on the practical approach toward theatrical production.

3603. Scene Painting (3). Theory and techniques of scene painting with emphasis on the practical development of personal craft.

3613. Scene Design (3). A fundamental design course geared toward enhancing basic principles of scenic design and developing a practical knowledge of all drawings pertaining to theatrical design. THEA 2103 is not required as a prerequisite but preferred.

3633. Costume Design (3). Theory and techniques of stage costume design, with emphasis on character analysis, design elements and principles, the costume sketch, color theory, fabric selection and costume ornamentation.

3713. Theatre Administration (3). The principles of administration applied to the theatre, including philosophy, physical plant operations, staffing, publicity, box office and house management.

3723. Theatre Administration II (3). Pr. THEA 3713. The principles of administration applied to the field of theatre with emphasis on personnel management, community service, financing and organizing and touring with a theatre company.

3973. Special Topics in Theatre II (3). An exploration of a topic from any area of the Theatre. Special Topics in Theatre (THEA 2973, 3973, and/or 4973) may be repeated for credit up to 12 hours, provided a different theme is selected each time.

4013. Playwriting (3). Pr. sophomore standing. Laboratory course in playwriting; student plays developed from original idea through scenario into final production script. Exceptional plays may be produced and/or participate in competition.

4310. Dramatic Literature and Theatre History of the Western World I (3). Pr. junior standing. Traces dramatic literature and theatre history from the rituals of ancient civilizations to the middle of the 19th-century. May be taught concurrently with THEA 6310.

4320. Dramatic Literature and Theatre History of the Western World II (3). Pr. junior standing. Traces dramatic literature and theatre history from the mid-19th-century to today. May be taught concurrently with THEA 6320.

4413. Dialects and Phonetics (3). Basic study of the sound system for the English language as used in dialect and accent training. Includes principles of sound production, phonetic transcription, and the acoustical basis of phonetics.

4740. Studies in American Drama and Theatre (3). Pr. junior standing. Topics in the history and major developments of American dramatic literature and the stage. May be repeated twice when the topics vary. May be offered concurrently with THEA 6740.

4903. Independent Study (1-3). Pr. senior standing or permission of instructor. Independent reading and/or research in selected areas of theatre. May be taught concurrently with THEA 6902.

4924. Theatre Internship (3). Pr. junior or senior standing and permission of instructor. Independent internship with a theatre professional. Students must submit an application and meet the qualifications.

4930. Studies in Drama (3). Pr. junior standing. Examination of a sub-genre or period of drama such as tragedy, Restoration comedy, 18th-century British drama or modern drama. May be repeated twice when the topics vary. May be offered concurrently with THEA 6852.

4973. Special Topics in Theatre III (3). An exploration of a topic from any area of the theatre. Special Topics in Theatre (THEA 2973, 3973, and/or 4973) may be repeated for a total of 12 semester hours, provided a different topic is selected each time.

University Honors Program (HONR)

1757. Honors Freshman Seminar (3). Pr. Admission to the University Honors Program. Topics vary, are thematic and usually interdisciplinary, and may be taught by faculty teams. The seminar focuses on the writing process, critical thinking, and reading and writing in multiple genres. HONR 1757 is designed for first-year Honors students and fulfills their ENGL 1010 requirement.

1857. Honors Freshman Seminar (3). Pr. HONR 1757 and Admission to University Honors Program. Topics vary, are thematic and usually interdisciplinary, and may be taught by faculty teams. The seminar focuses on inquiry-based research, finding and evaluating sources, and developing arguments. The course is designed for first-year Honors students and fulfills their ENGL 1020 requirement.

1957. Honors Colloquium (1). Pr. Admission to the University Honors Program. Designed to engage students in broadly defined cultural events through written analysis. Participants in the University Honors Program should take this course at least three times prior to graduation. Grading is satisfactory/unsatisfactory.

1997. Selected Topics (1-3). Pr. Admission to the University Honors Program. Topics vary and are announced at each offering. May be repeated provided that a different theme is selected each time.

2757. Honors Sophomore Seminar (3). Pr. Admission to the University Honors Program. Topics will vary and are announced prior to the start of each academic year. Studies are thematic, usually interdisciplinary, usually taught by faculty teams. Assignments vary with each offering.

2997. Selected Topics (1-3). Pr. Admission to the University Honors Program. Topics vary and are announced at each offering. May be repeated provided that a different theme is selected each time.

3757. Honors Junior Seminar (3). Pr. Admission to the University Honors Program. Topics will vary and are announced prior to the start of each academic year. Studies are thematic, usually interdisciplinary, usually taught by faculty teams. Assignments vary with each offering, typically focusing on civic engagement and leadership experiences.

3957. Honors Research (3). Pr. Admission to the University Honors Program. Develops a proposal for the thesis or scholarly project, including an overview of the topic, a literature review, and proposed methods. Successful completion requires approval of the thesis or scholarly project proposal by student's thesis committee comprising three full-time faculty: the faculty advisor, the UHP director, and another faculty member with related expertise. Grading is satisfactory/unsatisfactory.

3997. Selected Topics (1-3). Pr. Admission to the University Honors Program. Topics vary and are announced at each offering. May be repeated provided that a different theme is selected each time.

4957. Honors Thesis (3). Pr. Admission to the University Honors Program. Completes the thesis or scholarly project begun in HONR 3957. Successful completion includes approval of the thesis/scholarly project by student's thesis committee comprising three full-time faculty: the faculty advisor, the UHP director, and another faculty member with related expertise. Grading is satisfactory/unsatisfactory. May be repeated once.

4997. Selected Topics (1-3). Pr. Admission to the University Honors Program Topics vary and are announced at each offering. May be repeated provided that a different theme is selected each time.

University Success (UNIV)

1000. University Success (3). This course is required for first-term freshmen students and transfer students classified as freshmen who have not taken and passed a student success course with a grade of D or better. This course orients new AUM students to academic expectations associated with University study. It introduces students to the AUM services in place to support their academic success and guides students through professional, academic and personal goal-setting processes which foster academic success.

1004. Student Success and Planning (3). Pr. Admission into Bridge Program. Provides instruction for academic success skills, university transition resources, and degree completion processes. Participation in weekly tutoring is mandatory. Required for all Bridge program participants.

1007. University Success, Honors (3). Pr. Admission to the University Honors Program. UNIV 1007 will orient UHP students to academic expectations associated with University study, introduce students to AUM services which support their academic success, guide the students through professional, academic, and personal goal-setting processes and provide students with a peer cohort.

Visual Art (VISU)

1000. Introduction to the Visual Arts (3). A global introduction to the visual arts via engagement with history and cultural traditions. Students study artworks and major movements, examine materials and processes of production, learn terminology, and acquire skills in looking, interpretation, and descriptive writing.

1102. Two-Dimensional Design (3). Introduction to the basic elements and principles of two-dimensional design, with emphasis on composition, color theory, media and individual concepts.

- 1112. Beginning Drawing (3).** Drawing from observation, with an emphasis on composition, line perspective and value, using various dry and aqueous monochromatic media.
- 1122. Intermediate Drawing (3). Pr. VISU 1112.** Drawing from observation, with an emphasis on composition, creativity and accurate observation, with the use of various dry and aqueous monochromatic and color media.
- 1132. Three-Dimensional Design (3).** Introduction to the basic elements and principles of three-dimensional design, using various media.
- 2002. Portfolio Review (1). Pr. VISU 1102 and VISU 1112 and VISU 1132 and (ARTH 2030 or ARTH 2040). Pr. Permission of advisor.** Preparation of a portfolio of student artwork for evaluation by Fine Arts faculty. Students should take the course in their sophomore year and must pass in order to continue in BFA track.
- 2202. Watercolor (3).** Configurational studies in aqueous media on paper. May be repeated for credit.
- 2212. Beginning Painting (3). Pr. VISU 1102 and VISU 1112.** Painting in oil (and/or possibly other media) in abstract and representational imagery.
- 2312. Beginning Sculpture (3). Pr. VISU 1132.** An introduction to sculptural problem-solving, methods, and materials. Students will build upon the elements and principles of three-dimensional design while also exploring materials such as wood, plaster, and found media.
- 2600. Introduction to World Architecture (3).** A survey of world architecture from antiquity to the present that emphasizes the relationships between art, architecture, place, and culture.
- 2702. Digital Foundations (3). Pr. VISU 1102.** Emphasis on skills needed to produce vector- and raster-based graphics to solve problems in design and art making.
- 2722. Typography 1 (3). Pr. VISU 1102.** Emphasis on fundamentals and traditional techniques of typography with a survey of the history of typography.
- 2812. Beginning Photography (3).** Introduction to photography as an artistic medium exploring the use of a digital camera, proper editing of images, and preparation of photos for posting on the internet or printing for display.
- 3122. Advanced Drawing (3). Pr. VISU 1122 and VISU 2002, or permission of instructor.** Emphasis on creativity and composition; various media. May be repeated for credit.
- 3232. Intermediate Painting (3). Pr. VISU 2212 and VISU 2002 or permission of instructor.** Painting in oil (and/or possibly other media) in abstract and representational imagery (a continuation at a more advanced level of VISU 3222 Painting 2).
- 3322. Sculpture 2 (3). Pr. VISU 2312 and VISU 2002 or permission of instructor.** Further exploration of sculptural problems, practices and materials.
- 3412. Ceramics 1 (3).** An introduction to the properties and uses of clay as a sculptural material. The potter's wheel, construction methods, glazing and kiln firing techniques explored.
- 3422. Ceramics 2 (3). Pr. VISU 3412 and VISU 2002 or permission of instructor.** Further exploration into the properties and uses of clay as a sculptural material.
- 3600. Theory and Method of Museum Studies (3). Pr. Min. grade of C in ENGL 1010.** A survey examining the relationship between people and the object; including the making, history, preservation, and interpretation of objects.

- 3612. Intermediate Photography (3). Pr. VISU 2812.** Photographic darkroom course utilizing film negatives and print enlargement. Emphasis on conceptual development of the individual as an artist. This is a non-digital photography course.
- 3722. Typography 2 (3). Pr. VISU 2702 and VISU 2722 or permission of instructor.** Exploring contemporary letterforms with emphasis on the creative use of type in a digital format.
- 3742. Design Techniques (3). Pr. Min. grade of C in VISU 2702 and VISU 2722.** Exploring color, grid and layout systems to solve graphic communication problems.
- 3822. Advanced Photography (3). Pr. VISU 3612.** Learn how to use flash/strobe equipment and hot lighting to create compelling imagery. Emphasis is placed on the development of a portfolio depicting work with products and models.
- 3912. Alternative Photography (3). Pr. VISU 2712 and VISU 2812 and VISU 2002 or instructor permission.** Exploration of non-silver photographic processes utilizing digital negatives and hand coated emulsions. While many of the processes to be discussed were invented in the 19th century, they will be conceptually approached from a contemporary perspective.
- 4010. History of Photography (3).** A survey of the history of photography from its invention in 1839 to the present day.
- 4150. How to be an Artist? Fine Arts Professionalism (3).** This practical course provides third year Fine Arts students with the tools they need to develop a professional practice and identify, understand, and achieve career goals.
- 4200. Contemporary Art Practice (3). Pr. Min. grade of C in ENGL 1010, junior standing.** Seminar-based class that addresses themes in contemporary art practice from the 1960s to the present. These themes will be studied through texts by artists, art historians, critical theorists, philosophers and others.
- 4242. Advanced Painting (3). Pr. VISU 3232 and VISU 2002 or permission of instructor.** Optional problems and media with emphasis on personal expression. May be repeated for credit.
- 4332. Sculpture 3 (3). Pr. VISU 3322 and VISU 2002 or permission of instructor.** Advanced exploration of sculptural problems, practices and materials with emphasis on the development of a personal style. May be repeated for credit.
- 4342. Sculpture 4 (3). Pr. VISU 4332 and VISU 2002 or permission of instructor.** A continuation of Sculpture 3. Emphasis on strengthening the technical and aesthetic skills toward further development of a personal style. May be repeated for credit.
- 4432. Ceramics 3 (3). Pr. VISU 3422 and VISU 2002 or permission of instructor.** Advanced exploration of problems, practices and materials in clay with emphasis on the development of a personal style. May be repeated for credit.
- 4442. Ceramics 4 (3). Pr. VISU 4432.** A continuation of Ceramics 3. Emphasis on strengthening the technical and aesthetic skills toward further development of a personal style. May be repeated for credit.
- 4702. Interaction Design (3). Pr. VISU 2702 and VISU 2002 or permission of instructor.** HTML, CSS, and JavaScript. Emphasis on interactivity. Previous programming experience is not required.
- 4712. Motion Graphics (3). Pr. VISU 2002 and VISU 3742 or permission of instructor.** Motion graphics output to different formats, with emphasis on effective problem solving using professional processes.

4732. Advanced Graphic Design Theory and Practice (3). Pr. VISU 2732 and VISU 3722 and VISU 2002 or permission of instructor. Implementation of design skills from previous design courses. Concentration on writing, research, design approach and final communication solutions.

4742. Advertising Art (3). Pr. VISU 3732 and VISU 2002 and Min. grade of C in ENGL 1010 or permission of instructor. Implementation of design skills from previous design courses. Concentration on research, varying design approaches and final communication solutions.

4902. Individual Studio Project (1-3). Pr. Department chair's approval. Advanced projects in the various disciplines, initiated by the student and undertaken with faculty supervision. May be repeated for credit. May be taught concurrently with VISU 6902.

4922. Art Internship (1-3). Pr. successful completion of Upper Level Foundation. A work schedule of 9 hours per week as a staff member with an approved internship sponsor under the direction of a supervising art director. Credit given as an art elective. Cannot be repeated for credit.

4972. Special Topics in Visual Arts (3). Pr. Min. grade of C in ENGL 1010 or permission of instructor. Provides a student with the opportunity to gain valuable insight through practical experience. Student will work with an approved internship sponsor under the direction of a supervising Fine Arts faculty member. Can be repeated for credit.

4982. Senior Project (3). Pr. VISU 2002 or permission of instructor. A senior project culminating the Studio or Graphic Design emphasis under the direction of the student's concentration adviser in painting, printmaking, sculpture, ceramics or graphic design. The student will make a presentation of his or her art work for review by the Fine Arts faculty.

Board of Trustees

Auburn University is governed by a Board of Trustees consisting of one member from each congressional district, as these districts were constituted on Jan. 1, 1961; one member from Lee County; three at-large members, all of whom shall be residents of the continental United States; and the governor, who is ex-officio. The governor is the president. Prior to 2003, trustees were appointed by the governor, by and with the consent of the state Senate, for a term of 12 years. Any new trustees will be appointed by a committee, by and with the consent of the State Senate, for a term of seven years and may serve no more than two full seven-year terms. A member may continue to serve until a successor is confirmed, but in no case for more than one year after a completion of a term. Members of the board receive no compensation. Consistent with an executive order of the governor in 1971, a non-voting student representative selected by the student body serves as a member ex-officio.

Members of the Board

Kay Ivey, Governor of Alabama, President (ex officio), Montgomery

Name	District	Home
Term Ends 2022		
VACANT	Fifth	
Jimmy Rane	Third	Abbeville
Bob Dumas	Third (Lee County)	Auburn
Term Ends 2023		
Elizabeth Huntley	Sixth	Clanton
Term Ends 2027		
James Pratt	Ninth	Birmingham
B.T. Roberts	First	Mobile
Clark Sahlie	Second	Montgomery
Term Ends 2028		
Mike DeMaioribus	Eighth	Huntsville
Jimmy Sanford	Fourth	Prattville
Term Ends 2029		
Caroline Aderholt	Seventh	

Members at Large

Term Ends 2024		
Raymond J. Harbert	At-Large	Birmingham
Quentin Riggins	At-Large	Birmingham
Timothy Vines	At-Large	Birmingham
Term Ends 2028		
Wayne T. Smith	At-Large	Franklin, TN
Term Ends 2029		
Zeke Smith	At-Large	Birmingham

Advisory Members

President, Student Government Association, Auburn University (ex officio)

President, Student Government Association, Auburn Montgomery (ex officio)

Faculty

Year Faculty Started at AUM

Aaij, Michel.....	2006
Associate Professor of English	
M.A., Ph.D., University of Alabama	
Adams, Heather.....	2019
Lecturer, UNIV Student Success	
B.A., Florida State University; M.L.A., Auburn University at Montgomery	
Adkins, Darlene	2020
Assistant Professor of Accounting	
B.S., Radford University; B.S., Lynchburg University; M.B.A., Old Dominion University;	
M.Acc., Virginia Commonwealth University; D.B.A., Kennesaw State University; CPA	
Aga, Mosisa.....	2006
Associate Professor of Mathematics	
B.S., M.S., Addis Ababa University; M.A., Ph.D., Wayne State University	
Aggarwal, Anshu	2022
Lecturer of Biology and Environmental Science	
B.S. Loyola University; Ph.D., Creighton University School of Medicine	
Aho, John M.	1992
Associate Professor of Biology and Environmental Science	
B.A. M.A., Wake Forest University; Ph.D., University of Exeter, England	
All, Anita.....	2006
Professor of Nursing	
B.S.N., University of Wyoming; M.S.N., University of Northern Colorado;	
Ph.D., University of Colorado	
Allegro-Welsh, Deanne.....	2016
Assistant Professor of Education	
B.S., Auburn University; M.S., University of Delaware	
Allen, Gina	2019
Clinical Assistant Professor of Social Work and B.S.W. Field Director	
B.A., Auburn University; MSW, University of Alabama	
Amoroso, Don.....	2014
Professor of Information Systems	
Ph.D., University of Georgia	
Anderson, Wendy.....	2013
Lecturer in Information Systems	
B.S.B.A., M.B.A., Auburn University at Montgomery	
Ang, David S	1992
Department Chair and Professor of Information Systems and Decision Science	
B.S., Ohio University; M.S., Ph.D., University of Alabama at Huntsville	
Arms-Chavez Clarissa	2009
Chair, Department of Psychology, Associate Professor of Psychology and	
Distinguished Teaching Professor	
B.S., Western Illinois University; M.A., Ph.D., University of Texas El-Paso	
Arnold, Steven E.....	1998
Assistant Professor of Chemistry, Distinguished Teaching Professor	
B.S., Ph.D., Louisiana State University	
Arrington, Paul.....	2019
Lecturer, UNIV Student Success	
B.S., Abilene Christian University; M.Ed., University of Texas at Tyler	
Austin, Sheila	2008
Professor of Instructional Leadership	
B.S., M.S., Ph.D., University of Toledo	

Bailey, Timothy P	2000
Librarian III and Systems Librarian B.A.; M.L.I.S., University of Alabama	
Baine, Breuna K.	2005
Associate Professor of Graphic Design B.F.A., Savannah College of Art and Design; M.F.A., Auburn University	
Baker, Heather.....	2019
Assistant Clinical Professor of Nursing B.S.N., Auburn University at Montgomery; M.S.N., Auburn University	
Bang, Chulhwan.....	2016
Assistant Professor of Information Systems B.B.A., Dongguk University; M.S.M.I.S., Ph.D., SUNY, University at Buffalo	
Banning, Kevin C.....	1997
Professor of Management B.S., Indiana University; Ph.D., University of Florida	
Bark, Tracey.....	2019
Assistant Professor of Political Science and Public Administration B.A, M.P.A., Ph.D., University of Oklahoma	
Barragan, Brannon.....	2017
Senior Lecturer in Spanish B.A., University of North Carolina at Asheville; M.A., University of Texas at El Paso	
Bates, H. Jeffrey	2012
Senior Lecturer of Economics; Distinguished Lecturer B.B.A., University of Montevallo; M.B.A., Auburn University at Montgomery	
Beard, Julie	2018
Assistant Clinical Professor of Communication Disorders B.S.E., Arkansas State University; M.S., Ph.D., University of Arkansas for Medical Sciences	
Belche, Abush G.	2008
Assistant Professor of Accounting B.A., Addis Ababa University; M.B.A., University of Arizona	
Benson, Mark.....	1988
Associate Professor of Music B.Mus., M.Mus., Miami University; Ph.D., University of California at Los Angeles	
Best, Rickey D.....	1986
Librarian IV and Collection Development Librarian B.A., M.A., University of California, Riverside; M.L.I.S., University of California at Berkeley	
Beziat, Tara.....	2014
Honors Associate Professor of Educational Psychology B.S., University of Maryland; M.Ed., John Carroll University, Ph.D. Kent State University	
Bicard, Sara E.....	2011
Professor of Special Education B.S., M.Ed., University of Southern Mississippi; Ph.D., Ohio State University	
Bishop, Jason	2020
Assistant Professor of Education B.S., University of North Texas; M.Ed., Ph.D., University of Virginia, Charlottesville	
Bodily, Jessica.....	2020
Assistant Professor of Psychology B.A., M.S., Ph.D., University of Kentucky	
Bolton, Dorcia E.....	2018
Assistant Professor of Marketing B.B.A., University of Technology; M.B.A., Florida International University; D.B.A., Cleveland State University	
Bourke, Nicholas F	2011
Associate Professor of Elementary Education B.S., M.S., Auburn University; Ed.D. University of Alabama	

Bowden, Shelly J.	1996
Professor of Early Childhood Education and Distinguished Teaching Professor	
B.S., Morehead State University; M.S., Troy State University;	
Ph.D., Florida State University	
Bowen, Dawneese.....	2020
Assistant Clinical Professor of Nursing	
M.S.N., B.S.N., Auburn University at Montgomery	
Boyle, Erin	2021
Lecturer of English	
B.A., M.T.W., Auburn University at Montgomery	
Brackett, Kimberly P.	1996
Associate Dean, College of Liberal Arts and Social Sciences and Professor of Sociology;	
Distinguished Teaching Professor	
B.S., Jacksonville University; M.A., Ph.D., University of Florida	
Breitman, Maria Florencia "Flor"	2021
Assistant Professor, Biology and Environmental Science	
B.S., Universidad Nacional de la Patagonia San Juan Bosco; Ph.D., Universidad Córdoba	
Burger, Michael	2009
Professor of History	
B.A., Michigan State University; M.A., Ph.D., University of California, Santa Barbara	
Burks, Brooke A.....	2011
Chair, Curriculum, Instruction, and Technology and Professor of Secondary Education	
B.A., Tuskegee University; M.Ed., Ph.D., Auburn University	
Burrows, Elizabeth	2013
Honors Senior Lecturer and Distinguished Lecturer in	
Composition	
B.A., M.A., Auburn University	
Campbell, Sherry	2016
Clinical Associate Professor of Education B.S., M.S., Georgia	
Southwestern State University	
Carol, Rolando	2013
Associate Professor of Psychology	
B.A., M.S., Ph.D., Florida International University	
Cashwell, Suzie.....	2020
Associate Professor of Social Work and BSW Program Director	
BSW, Northern Michigan University; MSW, Ph.D. Florida State University	
Chen, Tianran	2016
Associate Professor of Mathematics	
B.A., Western Connecticut State University; Ph.D., Michigan State University	
Chen, Yue	2015
Associate Professor of Mathematics	
B.S., M.S., Shanghai University; M.S., Ph.D., Louisiana State University	
Chon, Don.....	2011
Associate Professor of Criminal Justice	
M.S., Chicago State University; Ph.D., Florida State University	
Ciesieliski, Grzegorz "Greg"	2018
Assistant Professor of Chemistry	
B.S., M.S., Ph.D. University of Gdansk	
Clark, Joy	1988
Associate Provost for Undergraduate Studies and Professor of Economics;	
Distinguished Teaching Professor	
B.S., M.S., Auburn University; Ph.D., Texas A&M University	

Cobb, Aaron D	2010
Coordinator, Bachelor of Interdisciplinary Studies, Honors Associate Professor of Philosophy, Distinguished Service Professor, Alumni Service Professor B.A., Greenville College; M.A., Western Michigan University; Ph.D., Saint Louis University	
Cochran, Courtney	2017
Assistant Professor of Nursing B.S.N. Auburn University at Montgomery, M.S.N., D.N.P. University of South Alabama	
Comi, Dana	2021
Assistant Professor of English B.A., Whitworth University; Ph.D., University of Kansas	
Cook, Kalia	2021
Assistant Clinical Professor of Nursing and Undergraduate Clinical Coordinator B.S.N. Auburn University at Montgomery, M.S.N. Auburn University	
Cortell, Andrew P.	2013
Chair, Department of Political Science and Public Administration and Professor of Political Science and Public Administration B.A., Wesleyan University; M.I.A., M. Phil., Ph.D., Columbia University	
Costa, Gabriel C.	2017
Associate Professor of Biology and Environmental Science; Program Coordinator for Environmental Science and GIS; B.A., M.S., University of Brasilia; Ph.D., University of Oklahoma	
Cuba, Nicholas	2020
Assistant Professor of Biology and Environmental Science B.A. Amherst College; M.A, Ph.D, Clark University	
Daniel, Haley Dyer	2014
Senior Lecturer, School of Accountancy M.Acc., Auburn University	
Darch, Eric	2018
Assistant Professor of Counselor Education B.A., M.Ed., Ph.D. Auburn University	
Davis, Brett	2019
Assistant Professor of Education B.S., M.S., University of North Alabama; Ph.D., Middle Tennessee State University	
Dickens, Ross N.	2019
Dean, College of Business, and Professor of Finance B.S., Presbyterian College; M.B.A., The University of North Carolina; Ph.D., The University of Tennessee	
Dinc, Semih	2016
Assistant Professor of Mathematics and Computer Science B.Sc., Docuz Eylul University – Turkey; M.Sc., Yildiz Technical University - Turkey M.Sc., Ph.D., University of Alabama - Huntsville	
Dueñas, Gilbert	2011
Professor of Elementary Education B.S., University of Maryland; M.Ed., Auburn University at Montgomery; Ph.D., Auburn University	
Dugan, Kathy	2012
Assistant Professor of Medical Laboratory Science B.S., M.Ed., MT (ASCP), Auburn University at Montgomery	
El Badawy, Tarek A.	2016
Associate Professor, Business Administration Ph.D., Virginia Tech	

Farrow, Lee A	1999
Chair, Department of History and World Cultures; Honors Professor of History, Distinguished Teaching Professor and Distinguished Research Professor B.A., University of New Orleans; M.A., Ph.D., Tulane University	
Feltmate, David S.....	2011
Associate Professor of Sociology B.A., St. Thomas University; M.A., Wilfrid Laurier University; Ph.D., University of Waterloo	
Fenn, William	2011
Chair, Department of Fine Arts, and Associate Professor of Photography. B.A., California State University, Fresno; M.F.A., University of California, Santa Barbara	
Foo, Cornell	2013
Associate Professor of Education B.S., Brewer Parker College; M.Ed., University of Georgia; Ph.D., University of Florida	
Foster, Rachel	2020
Lecturer for Biology and Environmental Science B.S., M.S. Auburn University	
Fox, Paul	2016
Director, Warhawk Academic Success Center and Lecturer in History B.A., M.A., University of Texas-San Antonio; M.A., Ph.D., Auburn University	
Fowler, Angela	2018
Honors Lecturer in Composition B.A., M.A., Mississippi State University Ph.D., Auburn University	
Fowler, Heath.....	2013
Honors Senior Lecturer in Composition B.A., Mississippi State University; M.A., Auburn University	
Francisco, James.....	2014
Associate Professor of Economics B.A. Auburn University; J.D., University of Texas; Ph.D., Auburn University	
Freeman, Julie	2011
Chair, Graduate Affairs in Nursing and Associate Professor of Nursing B.S.N., Auburn Montgomery; M.S.N., University of South Alabama; D.N.P., University of South Alabama	
Fulford, Teran Renee.....	2011
Clinical Assistant Professor of Communication Disorders B.S., M.S. University of Montevallo	
Funches, Venessa	2006
Professor of Marketing B.S.M., Tulane University; M.B.A., University of Alabama at Birmingham; Ph.D., University of Alabama	
Gamble, Hilary R.....	2016
Associate Professor of Communication B.A., M.A., University of Arkansas; Ph.D., University of Arizona	
Gao, Kelvin	2019
Assistant Professor of Computer Science B.S., Huanan University of Science and Technology; M.S., Ph.D., University of Houston	
Gantt, John T.....	2007
Librarian II and Head of Technical Services B.A., University of North Carolina Chapel Hill; M.L.IS., Wayne State University	
Garrison, Christine.....	2020
Assistant Professor of Psychology B.S., Loyola University Chicago; M.A., Ph.D., University of South Florida	
Ghodke, Nikhil	2018
Associate Professor of Graphic Design B.A., Mumbai University, India; M.F.A., Savannah College of Art and Design	

Giordano, Casey.....	2021
Assistant Professor of Psychology	
B.S., Ph.D., University of Minnesota – Twin Cities	
Goddard II, Jerome	2011
Professor of Mathematics	
B.S., M.S., Mississippi College; Ph.D., Mississippi State University	
Godwin, Ashley Miles	2010
Clinical Associate Professor, Department Head of Communication Disorders and	
Director Speech and Hearing Clinic	
B.S., Au.D., Auburn University	
Gooch, Catherine	2021
Assistant Professor of English	
B.A., Eastern Kentucky University; M.A., Xavier University; Ph.D., University of Kentucky	
Gray, Jason	2016
Lecturer in Philosophy	
B.A., University of Alabama; M.A., Georgia State University;	
Ph.D., University of California at Riverside	
Grilliot, Matthew.....	2016
Distinguished Assistant Professor of Biology and Environmental Science	
B.S., Ph.D., Auburn University	
Guo, Yuh-Jen	2020
Associate Professor of Counseling	
B.A., National Cheng-Kung University; M.Ed. University of Texas at El Paso;	
Ph.D. Auburn University Haddix,	
Pryce L, “Pete”	2005
Associate Professor of Biology and Environmental Science	
B.A., Transylvania University; Ph.D., University of Kentucky	
Ha, HoeHun “Bryan”	2006
Associate Professor of Biology and Environmental Science	
B.S., Utah State University; M.A., Ph.D., State University of New York at Buffalo	
Hahn, TeWhan	2006
Professor of Finance	
B.S., M.S., Chonnam National University; M.B.A., University of Missouri;	
Ph.D., University of Alabama	
Hairstans, Andrew	2006
Associate Professor of Drawing and Painting	
B.A., Duncan of Jordanstone College of Art and Design, University of Dundee, Scotland;	
M.F.A., Southern Illinois University at Carbondale	
Hand, Cheryl.....	2016
Lecturer of Mathematics	
B.S., M.S., Auburn University	
Hard, Paul.....	2007
Chair, Department of Counseling, Leadership and Special Education and	
Associate Professor of Counseling	
B.S., University of Mobile; M.A., Ph.D., University of Alabama	
Harper, Bridgette D.....	2006
Professor of Psychology	
B.A., M.A., Western Kentucky University; Ph.D., University of Texas at Dallas	
Harrington, Christine M.	2016
Associate Dean, College of Business and Associate Professor of Finance	
B.S., University of Cincinnati; M.A., Ohio State University; Ph.D., West Virginia University	
Harris-Fain, Darren.....	2011
Honors Professor of English, Alumni Service Professor	
B.A., Ohio University; M.A., Ph.D., Kent State University	

Harrison, Melinda	2019
Lecturer in English	
B.A., University of Illinois at Urbana-Champaign; M.A., Illinois State University;	
Ed.S., University of Alabama at Birmingham	
Hayes, Jessica.....	2016
Librarian II and Head of Public Services	
B.A., Samford University; M.L.I.S., University of Alabama	
He, Xiaoyun	2013
Associate Professor of Information Systems	
B.S., Brigham Young University; M.B.A., University of Utah; Ph.D., Rutgers University	
Hogan, Jan.....	2004
Associate Professor of Elementary Education	
B.S., Samford University; M.Ed., Troy University Montgomery; Ph.D., Auburn University	
Howard, Nicholas O	2016
Honors Assistant Professor of Political Science and Public Administration	
B.A., Carleton College; M.A., University of Kansas; Ph.D., University of North Carolina	
Howard, Shannon	2014
Honors Associate Professor of English	
B.A., Presbyterian College; M.Ed., M.A., University of South Alabama;	
Ph.D., University of Louisville	
Hughes, David A	2016
Honors Associate Professor of Political Science and Public Administration	
B.S., University of Montevallo; Ph.D., University of Georgia	
Hutchison, John M.....	2011
Associate Professor of Chemistry	
B.S., University of Southern Indiana; Ph.D., University of Arkansas	
Ingram, W. Rhea.....	2008
Professor of Marketing	
B.S.B.A., M.B.A., Troy University; Ph.D., University of Kentucky	
Irwin, Katherine C.....	2019
Lecturer in Communication	
B.S., Texas A & M University; M.A. Auburn University	
Jackson, Charles	2015
Director of Graduate Programs and Senior Lecturer, Business Administration	
M.B.A., Auburn University at Montgomery	
Jensen, Suzanne	1987
Associate Professor of Ceramics	
B.F.A., Indiana State University; M.F.A., Tulane University	
Johnson, Phill.....	2015
Librarian III and Dean of the Library	
B.S., Missouri Southern State University; J.D., Washburn University School of Law	
M.S.L.I.S., University of Illinois	
Jones Anderson, Brittni.....	2021
Lecturer and Student Success Mentor	
B.S., Fisk University; Ph.D., Washington University in St. Louis	
Junkin, Samantha	2020
Assistant Professor of Secondary Education	
B.S. Florida Southwestern State College; M.Ed., Ph.D. Florida Gulf Coast University	
Justice, Alethea	2014
Assistant Clinical Professor	
A.S.N., Troy Montgomery; B.S.N., University of South Carolina - Aiken;	
M.S.N., University of Phoenix, Ed.D., Capella University	

Kalu, Kalu N	2006
Professor of Political Science and Public Administration, and Distinguished Research Professor B.S., Rutgers University; M.B.A., Atlanta University; Ph.D., Texas Tech University	
Kaur, Prit.....	2011
Associate Professor of Criminal Justice Ph.D., Panjab University; Post-Doctorate, California State University, Sacramento	
Kelley, Joyce	2009
Professor of English and Emerging Distinguished Teaching Professor B.A., Haverford College; M.A., Ph.D., University of Iowa	
Kelm, Sara	2021
Lecturer in English B.A. George Fox University; M.A., Baylor University; Ph.D., Texas Christian University	
Kiker, D. Scott.....	2002
Associate Professor of Management B.S., University of South Carolina; Ph.D., University of Florida	
Kiker, Mary D.....	1999
Professor of Management B.S.B.A., M.B.A., Creighton University; Ph.D., University of Florida	
Killmeier, Matthew A.....	2016
Department Chair, Associate Professor of Communication B.A., University of Louisville; M.A., Ph.D., University of Iowa	
Kim, Duk K. "Daniel"	2006
Professor of Chemistry B.S., M.S., Yonsei University; Ph.D., Florida International University	
Kim, Eunyoung.....	2017
Associate Professor of Communication B.A., M.A., Kookmin University; M.A., Texas State University; Ph.D., University of Alabama	
Kim, Jongheon	2015
Associate Professor of Information Systems Ph.D., University of Nebraska - Lincoln	
Klash, Erin	2016
Associate Professor of Elementary Education B.A., Texas A & M University; M.Ed., Auburn University at Montgomery; Ph.D., Auburn University	
Klevay, Robert	2009
Associate Professor of English B.A., Hillsdale College; M.A., Ph.D., University of Delaware	
Knierim, Lauren	2020
Assistant Clinical Professor of Nursing B.S.N., Samford University; M.S.N., University of Alabama-Tuscaloosa	
Koelling, Vanessa	2018
Assistant Professor, Department of Biology and Environmental Science B.A. Reed College, Ph.D., University of Georgia	
Knigge, Pia A.....	1997
Honors Assistant Professor of Political Science and Public Administration M.A., Bamberg University (Germany); Ph.D., University of Kentucky	
Krawczynski, Keith	2000
Honors Professor of History and Distinguished Research Professor B.A., University of Texas-San Antonio; M.A., Baylor University; Ph.D., University of South Carolina	
Kroft, Tim L.....	2012
Associate Professor of Biology and Environmental Science B.A., Miami University; Ph.D. Northwestern University	

Lan, Yuexing “Simon”	2007
Associate Professor of Economics	
B.A., South Central University for Nationalities, China;	
Ph.D., Southern Illinois University Carbondale	
Lane, Scott	2016
Director of School of Accountancy and Associate Professor of Accounting	
B.S. University of Massachusetts at Lowell; M.S., Texas A&M University;	
Ph.D., University of Kentucky	
Lang, Teresa	2011
Professor of Accounting	
B.S., University of Florida; M.A., Ph.D., Auburn University	
Latchem, Robin	2022
Assistant Professor of Medical Laboratory Science	
B.S., M.S. MLS (ASCP)CM, Austin Peay State University	
Leaman, Douglas	2020
Dean, College of Sciences and Professor Biology and Environmental Science	
B.S., M.S., The Ohio State University; Ph.D., University of Missouri	
Lee, Kin Shun Enoch	2005
Associate Professor of Mathematics	
B.S., Hong Kong Baptist University; M.S., Ph.D., University of Louisiana	
Lehman, Brett	2016
Associate Professor of Sociology	
B.A., Albright College; M.A., Ph.D., Louisiana State University	
Leuner, Jean D’Meza	2015
Dean, College of Nursing and Health Sciences and Professor of Nursing	
B.S.N., Seton Hall University; M.S.N., Ph.D., Boston College	
Lewis, Timothy	2011
Associate Professor of Instructional Technology, Outstanding Faculty Service	
B.S., Auburn University; M.A., Ph.D., University of Alabama	
Ligeon, Carel	2001
Chair, Department of Economics, and Professor of Economics	
B.S., University of Suriname; Ph.D., Auburn University	
Lim, Ricardo A	2018
Visiting Professor of Information Systems	
B.C., McGill University; M.B.A., University of Virginia; Ph.D., University of South Carolina	
Linna, Kenneth W	1999
Associate Professor of Statistics	
B.S.B.A., M.B.A., Auburn University at Montgomery; M.S., Ph.D., University of Alabama	
Lipham, Sumner David	2019
Lecturer of Mathematics	
B.S., Mercer University; M.S., Ph.D., Auburn University	
LoBello, Steven G.	1989
Professor of Psychology	
B.A., Christian Brothers College; M.S., Mississippi State University;	
Ph.D., University of Southern Mississippi	
Locke, James	2021
Visiting Professor of Information Systems	
B.A., M.S., Ph.D., Auburn University	
Locklear, Amylee	2010
Honors Senior Lecturer of English and Distinguished Lecturer	
B.A., College of William and Mary; M.A., Auburn University;	
Ph.D., Old Dominion University	

Long, Amy	2020
Assistant Clinical Professor of Nursing	
D.N.P, Auburn University at Montgomery, M.S.N., Auburn University;	
B.S.N., Auburn University at Montgomery	
Lu, Juntai	2021
Assistant Professor of Finance	
B.B.A., Shandong University of Finance and Economics; M.B.A.,	
Ph.D., University of Arkansas	
Lyle, William	2022
Assistant Professor of Accounting	
B.A., B.S., University of Pittsburgh; M.B.A., M.S., Robert Morris University;	
D.B.A., University of Florida	
Manning, Luke	2021
Lecturer in Philosophy	
B.A., Michigan State University; M.A., Ph.D., University of California, Santa Barbara	
McCarty, Shea	2019
Assistant Clinical Professor of Nursing	
B.S.N., Columbus State University; M.S.N., Auburn University	
McDonald, Gloria S	2016
Lecturer	
B.A., Wesleyan College; M.S., University of Florida	
McKell, Dawn.....	2018
Visiting Professor of Marketing	
B.S.M.T., University of Texas at El Paso; M.B.A./M.H.A., South University;	
D.B.A., Georgia State University McNeilly, Samantha	
Librarian II and Teaching & Outreach Librarian	
B.A., M.L.A., Auburn University at Montgomery; M.L.I.S., University of Alabama	
McNett, Jacqueline.....	2019
Assistant Professor of Criminal Justice	
B.S., M.S., University of Alabama; Ph.D., Mississippi State University	
Mehta, Sheila	1993
Professor of Psychology	
A.B., Brown University; M.A., Ph.D., University of Connecticut	
Metz, Kayla.....	2022
Assistant Clinical Professor of Nursing	
A.S.N., Southern Union State Community College, B.S.N., M.S.N.,	
D.N.P., Jacksonville State University	
Miller, Debra	2013
Assistant Clinical Professor of Nursing	
B.S.N., Auburn Montgomery; M.S.N., Samford University	
Moody, Daniel	2017
Librarian II and Emerging Technologies Librarian	
B.A., M.T.S., Emory University M.L.I.S. Valdosta State University	
Moore, Evan C.....	2002
Professor of Economics	
B.S., Virginia Commonwealth University;	
M.A., Ph.D., Virginia Polytechnic Institute and State University	
Moore, Lili.....	2016
Lecturer	
B.A., M.Ed., Auburn University at Montgomery	
Naddra, George.....	2019
Visiting Professor of Management	
B.S., Miami University; M.B.A., Wright State University; D.P.A., University of Alabama	

Napper, Sarah	2018
Assistant Professor of Criminal Justice	
B.S., M.A., University of West Georgia; Ph.D., Georgia State University	
Oh, Dong-Yop	2018
Associate Professor of Information Systems	
B.A., B.S., Pukyong National University-South Korea;	
M.S., Ph.D., University of Alabama - Tuscaloosa	
Okeke, Benedict C.....	2005
Professor of Biology and Environmental Sciences, Distinguished Research Professor,	
Ida Belle Young Professor	
B.S., University of Nigeria; M.S., Ph.D., University of Strathclyde	
O'Neill, Ann Marie	2016
Assistant Professor of Biology and Environmental Sciences	
B.Sc., Edith Cowan University; Ph.D., Auburn University	
Orlofsky, Anna	2021
Lecturer in English	
B.A., Troy University; M.T.W., Auburn University at Montgomery	
Parenteau, Stacy C.....	2012
Associate Professor of Psychology	
B.A., University of Massachusetts; M.A., Ph.D., University of Kansas	
Park, Jieun	2020
Assistant Professor of Mathematics	
B.S., M.S., Seoul National University; Ph.D., Auburn University	
Paulk, Rachel.....	2009
Lecturer in Mathematics	
B.S., M.Ed., Auburn University Montgomery	
Pelfrey, Theresa.....	2009
Associate Professor of Criminal Justice	
B.S., M.S.W., J.D., University of Alabama	
Periatt, Jeffrey A.....	1999
Associate Professor of Marketing	
B.S.B.S., M.B.A., University of Southern Mississippi; D.B.A., Mississippi State University	
Presley, Cynthia.....	2017
Assistant Clinical Professor of Nursing	
B.S. Auburn University, M.S. University of Montevallo	
Pyszka, Kimberly	2013
Associate Professor of Anthropology	
B.S., College of Charleston; M.A., Ph.D., University of Tennessee, Knoxville	
Qian, Li	2012
Associate Professor of Medical Laboratory Science	
MLS (ASCP) ^{CM} , Auburn University at Montgomery M.D., Tianjin Medical College	
Quaney, Kent	2021
Assistant Professor of English	
B.A., Weber State University; M.A., M. Litt., University of Sydney;	
Ph.D., University of Southern Mississippi	
Ragland, Matthew	2005
Associate Provost for Graduate Studies and Faculty Services, Professor of Mathematics	
B.S., Morehead State University; M.S., Ph.D., University of Kentucky	
Ray, Glen E.	1994
Professor of Psychology and Distinguished Teaching Professor	
B.S., Arkansas State University; M.S., Memphis State University; Ph.D., University of Memphis	
Reilly, Erin R.	2001
Professor of Education and Distinguished Teaching Professor	
B.S., Southeast Missouri State University; M.A., University of Alabama; Ph.D., University of Kansas	

Reno, Seth.....	2013
Honors Associate Professor of English and Distinguished Research Associate Professor B.A., M.A., Ph.D., Ohio State University	
Roberts, Foster	2019
Associate Professor of Management B.S., M.B.A., Auburn University at Montgomery; Ph.D., University of Mississippi	
Roy Choudhury, Agnitra	2018
Assistant Professor of Economics B.S., State University of New York College at Plattsburgh; Ph.D., Binghamton University	
Rover, Quintavious	2019
Lecturer, Biology and Environmental Science B.S., M.S., Alabama Agricultural and Mechanical University	
Runco, Mariano G.	2009
Associate Professor of Economics B.S., University of Argentina de la Empresa; M.S., Ph.D., Arizona State University	
Russell, Randy D	1984
Assistant Professor of Physical Science B.S., Cameron University; M.S., Iowa State University	
Sahinoglu, Suna	2011
Lecturer in Chemistry B.Sc., M.Sc., Middle East Technical University	
Schaefer, George R.	2008
Chair of Kinesiology Department, Professor of Education B.S., Lyndon State College; M.S.S., United States Sports Academy; Ph.D., University of New Mexico	
Seay, Rhonda	2015
Senior Lecturer and Graduate Advisor, School of Accountancy M.Acc., Auburn University	
Seibel, Neil David	2008
Professor of Theatre and Developing Faculty Scholar B.A., Northern Kentucky University; M.F.A., University of California Irvine	
Severance, Ben H.	2005
Professor of History and Distinguished Research Professor B.A., University of Washington; M.A., Clemson University; Ph.D., University of Tennessee in Knoxville	
Shelley, Tami	2017
Assistant Professor of Early Childhood Education B.S., Auburn University; M.S. Michigan State University; Ed.S., Auburn University at Montgomery; Ph.D. Auburn University	
Shifferd, Jason.....	2016
Lecturer in Composition B.A., M.L.A., Auburn University at Montgomery	
Shumack, Kellie A.....	2008
Associate Dean, College of Education and Professor of Instructional Technology B.S., M.Ed., Auburn University; Ph.D. Mississippi State University	
Si, Lin “Emma,”	2017
Assistant Professor of Chemistry B.S., Shandong Normal University; M.S., Carleton University; Ph.D., McGill University	
Simmons, Kate D	2007
Professor of Special Education B.S., M.S., Ph.D., Auburn University	

Sims, Clayton	2018
Honors Lecturer in Composition	
B.A., M.L.A., Auburn University at Montgomery	
Smith, Brianne	2019
Visiting Professor of Accounting	
B.S., University of Alabama; M.B.A., Auburn University; Ph.D., American College; CPA	
Smith, Kelli	2019
Assistant Professor of Elementary Education	
B.S., M.Ed., University of Montevallo; Ph.D., University of Alabama	
Smith, Lisa	2020
Family Nurse Practitioner Track Coordinator and Assistant Clinical Professor of Nursing	
M.S.N., B.S.N., Auburn University	
Smith, Luke	2014
Associate Professor of Mathematics Education and QEP Director	
B.S., M.Ed., Auburn University at Montgomery; Ph.D. Auburn University	
Smith, Walter	2016
Associate Professor of Accounting	
B.S., Marietta College; B.S., Ohio State University; Ph.D., Ohio State University	
Sparks, Jana' L.	2017
Assistant Professor of Educational Leadership	
B.S. Delaware State University; M.Ed., Troy University; Ed.D., Valdosta State University	
Speirs, Louise	2021
Lecturer and Student Success Mentor	
B.A., College of Charleston; M.S., Auburn University at Montgomery	
Stallings, L. Lynn	2019
Director, University Honors Program and Honors Professor of Mathematics Education	
B.S.Ed., Auburn University; M.Ed., Auburn University at Montgomery; Ph.D., University of Georgia	
Stein, Claudia	2018
Assistant Professor, Biology and Environmental Science	
Diploma in Biology, Freie Universitat Berlin;	
Ph.D., Leipz/Halle and University of Potsdam, Germany	
Sterling, Eric J.	1994
Professor of English, Distinguished Teaching Professor, Distinguished Research Professor, Distinguished Service Professor, and Alumni Service Professor	
B.A., Queens College (City University of New York); M.A., Ph.D., Indiana University	
Stine, Karen E.	2009
Honors Professor of Biology and Environmental Science	
B.S., College of William and Mary; M.S., University of Virginia;	
Ph.D., University of North Carolina at Chapel Hill	
Tang, Wen	2021
Lecturer of Mathematics	
Bachelor of Medicine, Shanghai Second Medical University; M.S., Louisiana State University	
Tang, Zongli	2001
Professor of Sociology	
B.A., Anhui University; M.A., Wuhan University; M.A., University of Regina;	
Ph.D., University of Alberta	
Tate, Sommer L	2016
Distinguished Senior Lecturer in Communication	
B.S., M.S., Troy University	
Taylor, J. Kyle	1999
Department Head, Medical & Clinical Laboratory Sciences and	
Professor of Medical Laboratory Science	
B.S., MLS (ASCP) ^{CM} , Auburn University at Montgomery; M.Ed., Alabama State University;	
Ph.D., Auburn University	

Thomas, Nicholas C.	1985
Professor of Chemistry and Distinguished Teaching Professor	
B.S., Ph.D., Monash University	
Thomson, Mary Sue	1988
Honors Associate Professor of Biology and Environmental Sciences and	
Distinguished Teaching Professor	
B.S., D.V.M., Mississippi State University; M.S., Ph.D., Auburn University	
Thornton, Louis, Jr.	1996
Instructor of Education and Director, Wellness Center	
B.S.Ed., M.Ed., Auburn University at Montgomery	
Toland-Dix, Shirley	2016
Assistant Professor of English	
B.A., Tuskegee University; M.A., Auburn University; Ph.D., Emory University	
Underwood, Robert G.	1994
Professor of Mathematics	
B.S., M.A., M.S., Ph.D., State University of New York at Albany	
Valentine, Sarah	2016
Lecturer of Mathematics	
B.S., M.Ed., Auburn University	
Varma, Shanta	2017
Special Advisor to the Chancellor for Collaborative Partnerships and Distance Education Initiatives	
and Associate Professor of Instructional Technology	
B.S., M.S., Ph.D., University of Delhi	
Veronese, Tony	2019
Lecturer in Foundations and Core	
B.A., Auburn University at Montgomery; M.A., M.F.A., University of Dallas, Irving	
Waddell, Katie	2021
Honors Lecturer and Student Success Mentor	
B.A., Southeastern University; M.A., University of South Florida; Ph.D., University of Kentucky	
Walker, Andria	2012
Assistant Clinical Professor of Education and Distinguished Clinical Faculty	
B.S., M.Ed., Auburn University at Montgomery	
Wallace, Samuel S.	2010
Distinguished Senior Lecturer in Theatre	
B.A., Lipscomb University; M.F.A., University of Louisville	
Wang, Yi	2006
Chair, Department of Mathematics and Professor of Mathematics	
B.S., Ph.D., Southwest Jiaotong University; Ph.D., West Virginia University	
Ward, Chelsea K.	2005
Chair, Department of Biology and Environmental Sciences and Professor of Biology,	
Distinguished Teaching Professor	
B.S., Florida Institute of Technology; Ph.D., Auburn University	
Wells, Wyatt C.	1997
Professor of History and Distinguished Research Professor	
B.A., Vanderbilt University; M.A., Ph.D., University of North Carolina at Chapel Hill	
Whatley, Laura	2015
Associate Professor of Art History	
B.A., Arizona State University; M.A., University of Toronto;	
Ph.D., University of Illinois, Urbana-Champaign	
White, Michael	2016
Senior Lecturer, Business Administration	
J.D., Cumberland School of Law	

Williams, Karen	2002
Librarian III and Interlibrary Loan Librarian	
B.A., Berry College; M.L.I.S., University of South Carolina	
Williams, Kecia	2015
Lecturer, School of Nursing	
B.S.N., M.S.N., Auburn University	
Winkelman, Michael E	1990
Distinguished Research and Teaching Professor of Theatre and Ida Belle Young Professor	
B.A., North Texas State University; M.F.A., University of Texas at Austin	
Winkelman, Valeria J.	1994
Distinguished Research Professor of Theatre, Alumni Service Professor, Honors Professor	
B.A., North Texas State University; M.F.A., University of Texas at Austin	
Witcher, Heather	2019
Assistant Professor of English	
B.A., Spring Hill College; Ph.D., St. Louis University	
Yunker, Barr	2008
Associate Professor of Criminal Justice	
B.S., US Air Force Academy; M.S., Troy University; J.D., Oklahoma City University;	
M.S.S., Air University	
Wu Lei	2018
Professor of Computer Science	
B.S., M.S., Huazhong University of Science and Technology, China;	
Ph.D., University of Montreal, Canada	
Zachar, Peter	1995
Associate Dean, College of Sciences, Professor of Psychology,	
Ida Belle Young Research Professor and Distinguished Research Professor	
B.A., Loras College; M.A., Ph.D., Southern Illinois University	
Zhai, Qiang	1991
Professor of History and Distinguished Research Professor	
B.A., M.A., Nanjing University; Ph.D., Ohio University	
Zhang, Ruonan	2021
Assistant Professor of Communication	
B.A., Shanghai International Studies University; M.A., Kent State University	
Ph.D., Bowling Green State University	

Emeriti Faculty

Year Faculty Started at AUM

Adams, Caroline S.....	1974
Professor Emerita of Biology	
B.A., Drew University; M.A., Ph.D., Southern Illinois University	
Alexander, Jeri Jo.....	1988
Professor of Education; Distinguished Teaching Professor	
B.A., Fort Lewis College; M.A., Northern Arizona University;	
Ph.D., University of New Mexico	
Anderson, Nancy.....	1988
Associate Professor Emerita of English	
B.A., Millsaps College; M.A., University of Virginia	
Arnold, Edwin W.....	1989
Professor Emeritus of Management	
B.B.A., University of Wisconsin-Whitewater; M.B.A., University of Arkansas;	
Ph.D., University of Alabama	
Barnett, Kathryn.....	1979
Dean Emerita of Nursing	
R.N., Parkland Memorial Hospital; B.S., George Peabody College; M.S., University of Colorado;	
Ph.D., North Texas State University	
Barksdale, Jeffrey M.....	1982
Associate Professor Emeritus of Biology	
B.S., M.T. (A.S.C.P.), University of Alabama at Birmingham; M.S., Ph.D., Auburn University	
Billingslea, Oliver.....	1970
Associate Professor Emeritus of English	
B.A., University of Mississippi; M.A., Johns Hopkins University; Ph.D., University of Wisconsin	
Bogie, Donald W.....	1971
Professor Emeritus of Sociology	
B.A., Georgetown College; M.A., Ph.D., University of Kentucky	
Braswell, Ray.....	1988
Professor Emeritus of Education	
B.M., M.A., Appalachian State University; Ed.D., Virginia Polytechnic Institute and State University	
Brown, Jennifer.....	1976
Professor Emerita of Education	
B.S., Jacksonville State University; M.A., Ed.D., University of Alabama	
Bulman, Jan K.....	2003
Associate Professor Emerita of History	
B.A. Oakland University; M.A., Ph. D. Michigan State University	
Cairns, Eldon J.....	1970
Professor Emeritus of Biology	
B.A., M.A., University of California at Los Angeles; Ph.D., University of Maryland	
Campbell, Ken C.....	1970
Professor Emeritus of Education	
B.S., Florida State University; M.A., Florida Atlantic University; Ed.D., University of Georgia	
Carpenter, Laura B.....	1999
Professor Emerita of Education, Distinguished Teaching Professor	
B.A., Huntingdon College; M.S., Troy University; Ed.D., University of Alabama	
Chambless, Donald A.....	1973
Professor Emeritus of Mathematics	
B.M.E., Auburn University; M.S., University of Tennessee; Ph.D., Tulane University	
Coley, Phillip.....	1972
Professor Emeritus of Fine Arts	
B.A., M.F.A., University of Georgia	

Cornell, Richard A	1976
Associate Professor Emeritus of Communication	
B.F.A., Ohio University; M.S., Vanderbilt University; Ph.D., Northwestern University	
Crowley, Joseph P	1979
Associate Professor Emeritus of English	
B.A., University of Toronto; Ph.D., University of North Carolina	
Deal, Keren H.....	2000
Professor Emerita of Accounting	
B.S., M.B.A., Auburn University at Montgomery; Ph.D., Auburn University; C.P.A.	
Deaton, William L.....	1992
Dean Emeritus of Education	
B.S., Albany State College; M.S.Ed., Ph.D., University of Kansas	
Dekle, Barbara	1971
Librarian Emerita	
B.A., Huntingdon College; M.L.S., University of Alabama	
Dennard, Linda F.....	2006
Professor Emerita of Political Science	
B.A., University of Idaho; M.P.A., New Mexico State University;	
Ph.D., Virginia Polytechnic Institute and State University	
Denton, Thomas E.....	1987
Professor Emeritus of Biology	
B.A., Huntingdon College; M.S., Ph.D., University of Alabama	
Dodd, Donald B.....	1969
Professor Emeritus of History	
B.S., Florence State University; M.A., Auburn University; Ph.D., University of Georgia	
Elliott, Robert H.....	1976
Dean Emeritus, School of Sciences and Professor of Political Science and Public Administration	
B.A., M.A., Mississippi State University; Ph.D., University of Houston	
Evans, Robert C.....	1982
Professor Emeritus of English, Distinguished Research Professor, Distinguished Teaching	
Professor, Alumni Service Professor, Ida Belle Young Professor	
B.A., University of Pittsburgh; Ph.D., Princeton University	
Fair, John D.....	1971
Professor Emeritus of History	
B.A., Juniata College; M.A., Wake Forest University; Ph.D., Duke University	
Fitzsimmons, Michael P	1985
Professor Emeritus of History	
B.A., Belmont Abbey College; M.A., PhD, University of North Carolina at Chapel Hill	
Flynt, Samuel W	1987
Professor Emeritus of Education	
B.S., M.Ed., University of South Alabama; Ed.D., Auburn University	
Gaines, Robert A	1977
Professor Emeritus of Theatre	
B.A., College of William and Mary; M.A., University of Maryland;	
Ph.D., Indiana University; J.D., Thomas Goode Jones School of Law	
Gehling, Robert	2001
Associate Professor Emeritus of Information Systems and Decision Science	
B.S., Austin Peay State University; M.B.A., University of North Florida;	
M.M.I.S., Ph.D., Auburn University	
Gilchrist, Michael R.....	1991
Professor Emeritus of Education	
B.S., Texas Christian University; M.E.D., Auburn University at Montgomery;	
Ed.D., Auburn University	

Golden, Charles W	1973
Professor Emeritus of Information Systems and Decision Science	
B.S., D.B.A., Mississippi State University; M.B.A., Memphis State University	
Golden, Mary E	1973
Professor Emerita of Accounting	
B.B.A., M.B.A., Memphis State University; D.B.A., Mississippi State University; CPA	
Goodson, Jane R.,	1986
Professor Emerita of Management	
B.S., M.S., Ph.D., University of Alabama	
Gordon, Bruce.....	1971
Professor Emeritus of Education	
B.S., M.S., State College of New York at Buffalo; Ed.D., University of Georgia	
Grafton, Carl	1975
Professor Emeritus of Political Science and Public Administration	
B.A., M.A., University of Toledo; Ph.D. Purdue University	
Gribben, Alan	1991
Professor Emeritus of English	
B.A., University of Kansas; M.A., University of Oregon; Ph.D., University of California at Berkeley	
Griswold, Diane L.....	1979
Professor Emerita of Education	
B.S., M.Ed., Auburn University; Ph.D., Arizona State University	
Hall, Rosine	1996
Professor Emerita of Biology	
B.A., Rice University; M.S., Yale University; Ph.D., Rice University	
Hamilton, John B., Jr	1972
Professor Emeritus of Chemistry	
B.A., Bellarmine College; Ph.D., Case Western Reserve University	
Hebert, Richard J.	1976
Associate Professor Emeritus of Biology and Director Emeritus of Medical Technology	
B.S., University of Southwestern Louisiana; M.S., Northwestern State University;	
Ph.D., Louisiana State University; MT(ASCP), Baton Rouge General School of Medical Technology	
Hegji, Charles E	1985
Professor Emeritus of Economics	
B.S., M.S., University of Wisconsin; Ph.D. Wisconsin University	
Heier, Jan Richard	1986
Professor Emeritus of Accounting and Finance	
B.S., M.B.A., University of Wisconsin; D.B.A., Mississippi State University; CPA	
Hill, Joseph B	1969
Dean Emeritus, School of Sciences	
B.A., M.A., Washington State University; Ph.D., Auburn University	
Hill, Patricia N.....	1971
Associate Professor Emerita of English	
A.B., Spring Hill College; M.A., Ph.D., Auburn University	
Ho, Yaw-Chin	1980
Professor Emeritus of Information Systems and Decision Science	
B.A., Soochow University; M.A., Vanderbilt University; Ph.D., George Peabody College	
Honey, William C.....	1985
Associate Professor Emeritus of Management	
B.A., University of the South; J.D., Washington University	
Ingram, Jerry J.....	1970
Professor Emeritus of Marketing	
B.S., M.A., University of Alabama; Ph.D., University of Arkansas	

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Medley, Jerry Morgan	1981
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B.A., Livingston University; M.A.T., University of Montevallo; M.L.S., University of Alabama	
Vocino, Thomas	1974
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Wilson, Thomas M.	1983
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Witt, Barbara S.	1998
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B.S., M.A., Ph.D., Ohio State University	
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B.S., Clarion State College; M.Ed., Ed.D., Pennsylvania State University	
Woods, Paul C.	1972
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Index

AACSB–International Accreditation	71
Academic Calendars, Class Meeting Times and Final Examination Schedule	10
Academic Eligibility	60
Academic Honesty Code	47
Academic Probation	60
Academic Suspension.....	60
Accelerated Master’s Degree Option (Business).....	78
Accommodation for Individuals with Disabilities	36
Accountability and Advocacy	17
Accreditation	10
Administrative Holds	45
Admission Policies and Procedures.....	27
Admission to the Communication Disorders Program	132
Admission to the Professional Education Program	82
Admission to the Professional Internship Program	83
Advanced Placement.....	63
Advising	54
Air Force Reserve Officers Training Corps	65
AFROTC Curriculum	66
Aerospace Studies Courses	66
Field Training.....	67
General Military Courses	66
Leadership Laboratory.....	67
Professional Officer Courses	66
AFROTC Scholarship Program, The.....	65
Alabama and Non-Alabama Student Policy	34
Change in Eligibility for Resident Tuition	36
Initial Determination of Eligibility	36
Alabama Marine Environmental Sciences Consortium	144
Appeal of Grades	58
Application.....	27
Applying for Graduation.....	61
Army Reserve Officers Training Corps/Military Science (MILS)	114
Advance Camp	116

Advanced Course	115
Basic Camp.....	115
Department of Military Science	114
General Leadership Course (Basic Program)	115
Scholarships.....	116
Simultaneous Membership Program (SMP).....	115
Army ROTC as an Academic Minor.....	116
Army ROTC Cross Enrollment Program	64
Attendance.....	54
Auburn Montgomery Alumni Association	44
Audit Students	30
Auditing Privilege	54
AUM Core Courses.....	50
Area I. Written Composition.....	50
Area II. Humanities and Fine Arts	50
Area III. Natural Sciences and Mathematics.....	51
Area IV. History, Social Sciences and Behavioral Sciences.....	51
AUM Core Curriculum.....	48
AUM Core Curriculum Requirements	48
Goals	48
Purpose.....	48
AUM Library	14
Baccalaureate Degrees.....	10
Bachelor of Arts in Fine Arts and Bachelor of Fine Arts (B.F.A.) in Art	107
B.A. in Fine Arts.....	107
Art History Concentration	107
Visual Art Concentration.....	107
B.F.A. in Art	108
Ceramics Concentration	109
Graphic Design Concentration.....	108
Painting and Drawing Concentration.....	108
Photography Concentration	108
Sculpture Concentration.....	109
Bachelor of Interdisciplinary Studies Degree	112
Health Studies Concentration, B.I.S	113
Leadership and Professional Studies Concentration, B.I.S	113

Liberal Arts and Social Sciences, B.I.S.....	113
Teaching and Learning Concentration, B.I.S	113
Bachelor of Science in Education	81
Biology Major	139
Board of Trustees	262
Bridge Program.....	16
Career Development Center	17
Catalog of Concern	45
Center for Disability Services	15
Certificate Programs	13
American Society and Culture	122
Geographic Information Systems	145
Museum Studies	122
Professional and Technical Writing	106
Substance Abuse Prevention.....	123
Certification of Student Status.....	55
Chemistry Major.....	140
Chemistry/Health Sciences	141
Chemistry/Professional	141
Civil Rights Compliance	38
Classification	55
Clearing Probation	60
CLEP	63
College of Business	70
AACSB–International Accreditation.....	71
Mission.....	71
Programs	70
Rules and General Requirements	72
Advising Office	73
School of Accountancy - Accounting Specialization.....	73
Grade Requirements for Upper Division Accounting Specialization Courses.....	73
Undergraduate Programs	71
College of Education	80
Accreditation	81
Admission to the Professional Education Program.....	82
Admission to the Professional Internship Program.....	83

Certification Programs: Elementary Education.....	86
Concentrations in Childhood Education, Early Childhood Education, and Elementary Education ..	86
Courses, Credits, and/or Programs Acceptable to Meet State Approved Program Requirements ...	85
Field Experiences Program	81
Programs	80
Programs in Education	86
Reciprocity.....	85
Student Affairs Committee.....	85
Student Load	85
Teacher Certification	85
Transient Work	85
College of Liberal Arts and Social Sciences.....	95
General Considerations	97
Programs.....	96
College of Nursing and Health Sciences	124
College of Sciences.....	136
General Considerations	137
Programs	136
Special Requirements for Majors	137
Communication and Theatre	97
Option 1: B.A. in Communication Emphasis in Communication.....	98
Option 2: B.A. in Communication Emphasis in Theatre	99
Communication Disorders	132
Admission to the Communication Disorders Program.....	132
Audiology	132
Requirements for Students - Communication Disorders Program.....	133
Speech-Language Pathology	132
Computer Science Major.....	142
Continued Status.....	60
Counseling and Health Promotion Services (CHPS).....	15
Course Numbering System	45
Course Waiver/Refund Policy	21
Credit by Examination	63
Credit for Military Schools.....	64
Credit for USAFI/DANTES Level Tests and Subject Standardized Tests	64
Credit Hour Policy	45

Credit Recommended by the American Council on Education (ACE).....	64
Criminal Justice Major.....	100
Criminal Justice Concentration.....	100
Curriculum Transfer.....	55
Curtiss Check In	16
Dangerous Weapons and Firearms Policy.....	40
Dean’s List	60
Degree Requirements	62
Description of Courses	149
Diversity and Inclusion, Office of	43
Division of Aerospace Studies—Alabama State University	65
Division of Student Affairs	43
Double Major.....	62
Drug-Free Campus and Workplace Policy	37
Dual Enrollment	29
Economics Major	103
International Economics and Commerce Option.....	104
Political Economy Option.....	104
Traditional Economics Option	104
Educational Benefits for Veterans	26
Emeriti Faculty	278
English and Philosophy	105
English Composition Grade Requirement.....	52
English Composition Placement	52
Enrollment and Degree Verification	55
Enterprise Data Management & Applications Option.....	78
Enterprise Network Management Option	78
Entrepreneurship Specialization.....	74
Environmental Science Major	143
Equal Opportunity.....	36
Examinations	56
Examinations and Grades.....	56
Exceptional Student Admission	30
Experiential Education and Engagement Center (EEEC)	48
Faculty.....	263
Federal Financial Aid Programs	24

Grants	24
Loans	24
Federal Work-Study Program	24
Finance Specialization.....	74
Fine Arts	106
First-Time Freshmen - Bridge Admission	28
First-Time Freshmen - Full Admission	28
Four-Year Program, The	65
General Business Specialization.....	76
General Information.....	42
General Information Systems Option	78
General Requirements	54
General University Policies.....	36
Good Standing.....	60
Grade Adjustment Policies	59
Grade Forgiveness	59
Grade-Point Average	60
Grade Requirements for Upper Division Accounting Specialization Courses	73
Grading System	57
Graduate Course Work (Senior Privilege)	31
Graduation and Degree Requirements.....	61
Graduation Honors	62
History	111
History Major.....	111
Homeschool Students.....	29
Hospitality and Tourism Option	76
Housing and Residence Life	17
Human Resource Management Major	75
ID Card	55
Indefinite Suspension	61
Index.....	285
Information Systems Specialization	77
Enterprise Data Management Option.....	78
Enterprise Network management Option	78
General Information Systems Option	78
Interdisciplinary Minors and Certificates	120

International Baccalaureate	64
International Business Option	77
International Students Admission	31
Admission Process	31
Enrollment Policies	33
International Student Employment Policies	33
International Students Requiring the Issuance of an I-20/F-1 Visa or DS-2019/J-1 Visa	33
Responsibility	33
Transfer Credit Articulation	33
Intramural Programs.....	44
Late Withdrawal	56
Learning Center and Instructional Support Lab (LC.ISL)	16
Legal Studies Concentration	101
Letter from the Provost	1
Management Specialization	75
Marine Environmental Sciences	144
Marketing Specialization	76
Mathematics Major	145
Mathematics Placement Testing.....	52
How is ALEKS PPL offered?	53
How to take a proctored ALEKS Placement Test	53
So how do I register?	53
What is ALEKS?	53
Medical Laboratory Science.....	129
Medical Treatment for AUM Students	42
Medical Withdrawal	56
Military Services	64
Minors	12
Anthropology.....	119
Army ROTC as an Academic Minor.....	116
Biology	139
Child Advocacy Studies	119
Communication	99
Computer Science.....	143
Creative Writing	106
Criminal Justice	101

Economics.....	104
English Language and Literature.....	105
Fine Arts.....	109
Data Science.....	147
Gender Race and Ethnic Studies.....	120
Geographic Information Systems.....	145
History.....	112
Human Nutrition.....	93
International Relations.....	114
Legal Studies.....	103
Mathematics.....	146
Philosophy.....	106
Medieval Studies.....	121
Organizational Leadership.....	121
Political Science.....	114
Psychology.....	148
Religious Studies.....	121
Sociology.....	119
Sport Management.....	94
Sports Nutrition.....	93
Statistics.....	147
Strength and Conditioning.....	94
Theatre.....	100
Writing and Editing.....	106
Mission of the University.....	13
Multiple Exams Policy.....	57
Non-Certification Programs.....	92
Kinesiology Exercise Science.....	92
Sport Management.....	93
Non-discrimination Statement.....	38
Notification of Rights under FERPA.....	40
Office of Financial Aid.....	23
Orientation and Transitions, Office of.....	43
Orientation Requirement.....	30
Physical Education (P-12).....	87
Political Science Major.....	113

Pre-Health Sciences	137
Pre-Law.....	114, 123
Prerequisites.....	55
Pre-Social Work Program	119
Proficiency Examinations	64
Prohibited Discrimination & Harassment Policy	37
Proof of Immunization	30
Psychology Major	147
Public Administration.....	114
Registration	56
Registration Cancellation	20
Repeat-to-Replace Policy.....	59
Request for Financial Clearance	20
Re-registration	21
Residence Requirement	61
Resignation and Refunds.....	21
Restrictions.....	56
Return of Title IV Funds Policy	25
Satisfactory Academic Progress for Federal Financial Aid Recipients.....	24
Schedule Adjustment	56
Scholarship and Stipend Award Policy.....	18
Continuing AUM Students	18
New AUM Students	18
School of Accountancy - Accounting Specialization.....	73
School of Nursing	124
Accreditation	124
Admission to the School of Nursing.....	126
Application Information for the traditional BSN Program	123
General Requirements for the Bachelor’s Degree	125
Progression Through the Program	128
RN to BSN Program	127
RN to BSN Track.....	125
Traditional BSN Curriculum.....	128
Traditional BSN Program	125
Upper Division Curriculum – RN to BSN Program.....	129
Second Bachelor’s Degree Applicants	30
Second Degree	62

Secondary Education	88
English Language Arts (6-12)	88
General Science (6-12)	88
History/Social Science (6-12).....	89
Mathematics (6-12)	89
Senior Guest Program	30
Smoke/Vaping Free and Tobacco-Free Campus Policy	40
Social Work Major	116
Sociology Major	117
Special Education.....	90
Collaborative Teacher (6-12)	91
Collaborative Teacher (K-6).....	91
Early Childhood Special Education (Birth – Age 8)	90
Speech and Hearing Clinic.....	135
Student Account Holds	20
Student Conduct.....	46
Student Email Policy.....	45
Student Government Association.....	43
Student Involvement and Leadership Programs, Office of.....	43
Student Load.....	56
Student Success Advisors	16
Table of Contents	2
Title IX (Sex/Gender Discrimination).....	38
Transfer Credit.....	63
Transfer Students.....	28
Transferring Within the University System	63
Transient Students.....	29
AUM Students	29
Students from Other Colleges or Universities	29
Tuition, Fees and Other Charges	19
Acceptance of Financial Responsibility.....	19
Checks	20
Payment of Tuition, Fees, and Other Charges.....	19
Unclassified Students	30
UNIV	47
University Academic Regulations and Procedures	45

University Honors Program.....68

Eligibility 68

Mission..... 68

Service and GPA Requirement..... 68

UHP Core Requirements 68

University Honors..... 68

Warhawk Honors 69

University Identity and Core Values..... 13

Veterans21

Veterans Access, Choice and Accountability Act of 201422

Complaint Policy 23

Yellow Ribbon Program Agreement 23

Warhawk Academic Success Center 16

Warhawk Health Services..... 135

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