

## Undergraduate Degree, Single Major

Students wishing to graduate with an undergraduate degree with a single major must complete the requirements for that major and the [All-University Core Curriculum](#) found in the General Catalog. A major is a sequence of courses in a subject matter or discipline which, when accompanied by appropriate supporting courses, leads to a degree. A minimum of 27 semester credits constitutes a major. Completion of a major is shown on both the student's diploma and academic record.

## Concentrations

Some majors have concentrations (or areas of specialization). A concentration is a sequence of at least 12 semester credits of designated courses within a major designed to accommodate specific areas of study. *Completion of a concentration is shown on a student's academic record if completed in conjunction with a degree program, but is not noted on the diploma.*

## All University Core Curriculum

Each baccalaureate Program of Study must incorporate the following elements:

### 1. Basic Competencies

Code	Title	Credits
A. Intermediate Writing		3
B. Mathematics		3
Course List		

### 2. Advanced Writing

Code	Title	Credits
Advanced Writing		3
Course List		

### 3. Foundations and Perspectives

Code	Title	Credits
A. Biological and Physical Sciences (At least one course will include an associated lab)		7
B. Arts and Humanities		6
C. Social and Behavioral Sciences		3
D. Historical Perspectives		3
E. Global and Cultural Awareness		3
Course List		

### 4. Depth and Integration

Code	Title	Credits
Minimum 5 credits, 2 courses		5

Code	Title	Credits
A.	Each major must designate courses that build upon the Core Competencies of writing, speaking, and problem solving in an integrative and complementary way.	
B.	Each major must designate courses that build upon the foundations of knowledge and intellectual perspectives of Core Category 3 in an integrative and complementary way.	
C.	Every major must require a capstone experience at the senior level that consists of a designated course or sequence of courses that offer the opportunity for integration and reflection on students' nearly completed baccalaureate education.	
Course List		

## AUCC 31 credits + 5 Depth and Integration

Students are advised to see if their program of study has particular recommendations for satisfying All-University Core Curriculum requirements.

A student must earn a cumulative grade point average of 2.000 or better in the courses used to satisfy categories 1 through 3 of the All-University Core Curriculum requirements.

What follows is a brief description of each category in the All-University Core Curriculum and a list of the courses currently approved to meet that category. **Note: No courses are listed in more than one category; courses listed in one category cannot be used to fulfill any other category in the AUCC.**

## Category 1. Basic Competencies

### A. Intermediate Writing (3 credits)

The ability to write correctly and effectively is necessary for success in any academic program and enhances the possibility of one's success in personal and professional life. The objective of courses in this category is to provide instruction in the skills essential to effective written communication, extensive practice in the use of those skills, and evaluation of students' writing aimed to guide them in improving their skills.

Code	Title	Credits
<b>CO 150</b>	College Composition (GT-CO2)	3
<b>HONR 193</b>	Honors Seminar	3
Course List		

### B. Mathematics (3 credits)

The objective of the Mathematics requirement is to ensure that students develop mathematical skill and understanding essential for describing events, experiences, and the knowledge base of other disciplines. Mathematics encourages a mode of thought that encompasses abstraction and generalization and permits careful analysis as well as explicit calculation.

Code	Title	Credits
<b>MATH 101</b>	Math in the Social Sciences (GT-MA1)	3
<b>MATH 105</b>	Patterns of Phenomena (GT-MA1)	3
<b>MATH 117</b>	College Algebra in Context I (GT-MA1)	1
<b>MATH 118</b>	College Algebra in Context II (GT-MA1)	1

Code	Title	Credits
<b>MATH 124</b>	Logarithmic and Exponential Functions (GT-MA1)	1
<b>MATH 125</b>	Numerical Trigonometry (GT-MA1)	1
<b>MATH 126</b>	Analytic Trigonometry (GT-MA1)	1
<b>MATH 141</b>	Calculus in Management Sciences (GT-MA1)	3
<b>MATH 155</b>	Calculus for Biological Scientists I (GT-MA1)	4
<b>MATH 157</b>	One Year Calculus IA (GT-MA1)	3
<b>MATH 159</b>	One Year Calculus IB (GT-MA1)	3
<b>MATH 160</b>	Calculus for Physical Scientists I (GT-MA1)	4
<b>MATH 161</b>	Calculus for Physical Scientists II (GT-MA1)	4
<b>MATH 255</b>	Calculus for Biological Scientists II (GT-MA1)	4
Course List		

## Category 2. Advanced Writing (3 credits)

Building on and adapting basic skills and strategies already developed in the course in Intermediate Writing, the objective of this requirement is enhancement of skills in written communication to extend rhetorical knowledge, to extend experience in writing processes, to extend mastery of writing convention, and to demonstrate comprehension of content knowledge at the advanced level through effective communication strategies.

Code	Title	Credits
<b>BUS 300</b>	Business Writing and Communication (GT-CO3)	3
<b>CHEM 301</b>	Advanced Scientific Writing--Chemistry (GT-CO3)	3
<b>CO 300</b>	Writing Arguments (GT-CO3)	3
<b>CO 301A</b>	Writing in the Disciplines: Arts and Humanities (GT-CO3)	3
<b>CO 301B</b>	Writing in the Disciplines: Sciences (GT-CO3)	3
<b>CO 301C</b>	Writing in the Disciplines: Social Sciences (GT-CO3)	3
<b>CO 301D</b>	Writing in the Disciplines: Education (GT-CO3)	3
<b>CO 302</b>	Writing in Digital Environments (GT-CO3)	3
<b>JTC 300</b>	Professional and Technical Communication (GT-CO3)	3
<b>JTC 301</b>	Corporate and Professional Communication (GT-CO3)	3
<b>LB 300</b>	Specialized Professional Writing	3
Course List		

## Category 3. Foundations and Perspectives

The Core rests on acquiring foundations of knowledge and understanding intellectual perspectives. Courses in this category are designed to bring the skills developed in Core Competencies to life and give them direction and purpose. Elements of *foundation* offer exemplary introductions to fields and areas of study that explore their distinctive characteristics as well as critical links within and among them.

Elements of *perspective* promote coherence and integration of knowledge within and among fields and areas of study, often through the exploration of significant thematic issues. *Foundation* elements frequently will be introduced in disciplinary contexts. *Perspective* elements typically will be structured comparatively and enlivened through interdisciplinary contexts.

### **A. Biological and Physical Sciences (7 credits)**

The objective of the Biological and Physical Sciences requirement is to instill a clear understanding of the basic scientific viewpoint, to master scientific knowledge at a level that facilitates communication in an increasingly technological society, to employ and build on core competencies in mathematics and logical/critical thinking, to enable students to learn and use the scientific method, and to evaluate the impacts of science and technology on society. At least one course must have a laboratory component. Sometimes the laboratory component is a separate course number.

<b>Code</b>	<b>Title</b>	<b>Credits</b>
<b>AA 100</b>	Introduction to Astronomy (GT-SC2)	3
<b>AA 101</b>	Astronomy Laboratory (GT-SC1)	1
<b>ANTH 120</b>	Human Origins and Variation (GT-SC2)	3
<b>ANTH 121</b>	Human Origins and Variation Laboratory (GT-SC1)	1
<b>BSPM 102</b>	Insects, Science, and Society (GT-SC2)	3
<b>BZ 101</b>	Humans and Other Animals (GT-SC2)	3
<b>BZ 104</b>	Basic Concepts of Plant Life (GT-SC2)	3
<b>BZ 105</b>	Basic Concepts of Plant Life Laboratory (GT-SC1)	1
<b>BZ 110</b>	Principles of Animal Biology (GT-SC2)	3
<b>BZ 111</b>	Animal Biology Laboratory (GT-SC1)	1
<b>BZ 120</b>	Principles of Plant Biology (GT-SC1)	4
<b>CHEM 103</b>	Chemistry in Context (GT-SC2)	3
<b>CHEM 104</b>	Chemistry in Context Laboratory (GT-SC1)	1
<b>CHEM 107</b>	Fundamentals of Chemistry (GT-SC2)	4
<b>CHEM 108</b>	Fundamentals of Chemistry Laboratory (GT-SC1)	1
<b>CHEM 111</b>	General Chemistry I (GT-SC2)	4
<b>CHEM 112</b>	General Chemistry Lab I (GT-SC1)	1
<b>FW 104</b>	Wildlife Ecology and Conservation (GT-SC2)	3
<b>GEOL 110</b>	Introduction to Geology-Parks and Monuments	3
<b>GEOL 120</b>	Exploring Earth: Physical Geology (GT-SC2)	3
<b>GEOL 121</b>	Introductory Geology Laboratory (GT-SC1)	1
<b>GEOL 122</b>	The Blue Planet: Geology of Our Environment (GT-SC2)	3
<b>GEOL 124</b>	Geology of Natural Resources (GT-SC2)	3
<b>GEOL 150</b>	Physical Geology for Scientists and Engineers	4
<b>GR 304</b>	Sustainable Watersheds	3
<b>HORT 100</b>	Horticultural Science	4

Code	Title	Credits
LAND 220	Fundamentals of Ecology (GT-SC2)	3
LIFE 102	Attributes of Living Systems (GT-SC1)	4
LIFE 201A	Introductory Genetics: Applied/Population/Conservation/Ecological (GT-SC2)	3
LIFE 201B	Introductory Genetics: Molecular/Immunological/Developmental (GT-SC2)	3
LIFE 220	Fundamentals of Ecology (GT-SC2)	3
MIP 101	Introduction to Human Disease (GT-SC2)	3
NR 120A	Environmental Conservation (GT-SC2)	3
NR 130	Global Environmental Systems (GT-SC2)	3
NR 150	Oceanography (GT-SC2)	3
PH 110	Descriptive Physics (GT-SC2)	3
PH 111	Descriptive Physics Laboratory (GT-SC1)	1
PH 121	General Physics I (GT-SC1)	5
PH 122	General Physics II (GT-SC1)	5
PH 141	Physics for Scientists and Engineers I (GT-SC1)	5
PH 142	Physics for Scientists and Engineers II (GT-SC1)	5
WR 304	Sustainable Watersheds	3

Course List

## B. Arts and Humanities (6 credits)

The Arts and Humanities explore expressions that are uniquely human. The objective of the Arts and Humanities requirement is to investigate the cultural character and literatures of human experiences, fundamental questions of value and meaning, and, both in word and beyond words, the symbols and creative expressions of human life. No more than three credits of intermediate foreign language (L\*\*\* 200, L\*\*\* 201) may be used toward this category.

Code	Title	Credits
ART 100	Introduction to the Visual Arts (GT-AH1)	3
ART 200	Media Arts in Context	3
BUS 220	Ethics in Contemporary Organizations (GT-AH3)	3
D 110	Understanding Dance (GT-AH1)	3
E 140	The Study of Literature (GT-AH2)	3
E 232	Introduction to Humanities (GT-AH2)	3
E 236	Short Fiction	3
E 242	Reading Shakespeare (GT-AH2)	3
E 270	Introduction to American Literature (GT-AH2)	3
E 276	Survey of British Literature I (GT-AH2)	3
E 277	Survey of British Literature II (GT-AH2)	3

<b>Code</b>	<b>Title</b>	<b>Credits</b>
<b>ETST 240</b>	Native American Cultural Experience (GT-AH2)	3
<b>HONR 292</b>	Honors Seminar—Knowing in Arts and Humanities (GT-AH2)	3
<b>HONR 392</b>	Honors Seminar	3
<b>LAND 110</b>	Introduction to Landscape Architecture	3
<b>LARA 200</b>	Second-Year Arabic I (GT-AH4)	4
<b>LARA 201</b>	Second-Year Arabic II (GT-AH4)	4
<b>LARA 250</b>	Arabic Language, Literature, Culture in Translation (GT-AH2)	3
<b>LCHI 200</b>	Second-Year Chinese I (GT-AH4)	5
<b>LCHI 201</b>	Second-Year Chinese II (GT-AH4)	5
<b>LCHI 250</b>	Chinese Language, Literature, Culture in Translation (GT-AH2)	3
<b>LFRE 200</b>	Second-Year French I (GT-AH4)	3
<b>LFRE 201</b>	Second-Year French II (GT-AH4)	3
<b>LFRE 250</b>	French Language, Literature, Culture in Translation (GT-AH2)	3
<b>LGER 200</b>	Second-Year German I (GT-AH4)	3
<b>LGER 201</b>	Second-Year German II (GT-AH4)	3
<b>LGER 250</b>	German Language, Literature, Culture in Translation (GT-AH2)	3
<b>LITA 200</b>	Second-Year Italian I (GT-AH4)	3
<b>LITA 201</b>	Second-Year Italian II (GT-AH4)	3
<b>LJPN 200</b>	Second-Year Japanese I (GT-AH4)	5
<b>LJPN 201</b>	Second-Year Japanese II (GT-AH4)	5
<b>LJPN 250</b>	Japanese Language, Literature, Culture in Translation (GT-AH2)	3
<b>LRUS 200</b>	Second-Year Russian I (GT-AH4)	4
<b>LRUS 201</b>	Second-Year Russian II (GT-AH4)	4
<b>LRUS 250</b>	Russian Language, Literature, Culture in Translation (GT-AH2)	3
<b>LSGN 200</b>	Second-Year American Sign Language I	3
<b>LSGN 201</b>	Second-Year American Sign Language II	3
<b>LSPA 200</b>	Second-Year Spanish I (GT-AH4)	3
<b>LSPA 201</b>	Second-Year Spanish II (GT-AH4)	3
<b>LSPA 230</b>	Spanish for Heritage Speakers	3
<b>LSPA 250</b>	Spanish Language, Literature, Culture in Translation (GT-AH2)	3
<b>MU 100</b>	Music Appreciation (GT-AH1)	3
<b>MU 110</b>	Music and Technology	3
<b>MU 111</b>	Music Theory Fundamentals (GT-AH1)	3
<b>MU 131</b>	Introduction to Music History and Literature (GT-AH1)	3

Code	Title	Credits
<b>PHIL 100</b>	Appreciation of Philosophy (GT-AH3)	3
<b>PHIL 103</b>	Moral and Social Problems (GT-AH3)	3
<b>PHIL 110</b>	Logic and Critical Thinking (GT-AH3)	3
<b>PHIL 120</b>	History and Philosophy of Scientific Thought (GT-AH3)	3
<b>SPCM 100</b>	Communication and Popular Culture (GT-AH1)	3
<b>SPCM 201</b>	Rhetoric in Western Thought (GT-AH3)	3
<b>TH 141</b>	Introduction to Theatre (GT-AH1)	3

Course List

### C. Social and Behavioral Sciences (3 credits)

The Social and Behavioral Sciences use similar methods of description and analysis to study the complex behaviors of individuals and their relationships with others in families, public associations, and cultures. The objective of the Social and Behavioral Sciences requirement is to explore the forms and implications of individual and collective behaviors, their ties to formal institutions, and the methods by which they are studied.

Code	Title	Credits
<b>ANTH 100</b>	Introductory Cultural Anthropology (GT-SS3)	3
<b>AREC 202</b>	Agricultural and Resource Economics (GT-SS1)	3
<b>AREC 240</b>	Issues in Environmental Economics (GT-SS1)	3
<b>ECON 101</b>	Economics of Social Issues (GT-SS1)	3
<b>ECON 202</b>	Principles of Microeconomics (GT-SS1)	3
<b>ECON 204</b>	Principles of Macroeconomics (GT-SS1)	3
<b>ECON 212</b>	Racial Inequality and Discrimination (GT-SS1)	3
<b>ECON 240</b>	Issues in Environmental Economics (GT-SS1)	3
<b>EDUC 275</b>	Schooling in the United States (GT-SS3)	3
<b>GR 100</b>	Introduction to Geography (GT-SS2)	3
<b>HDFS 101</b>	Individual and Family Development (GT-SS3)	3
<b>HONR 492</b>	Honors Senior Seminar	3
<b>JTC 100</b>	Media in Society (GT-SS3)	3
<b>POLS 101</b>	American Government and Politics (GT-SS1)	3
<b>POLS 103</b>	State and Local Government and Politics (GT-SS1)	3
<b>PSY 100</b>	General Psychology (GT-SS3)	3
<b>PSY 152</b>	Science of Learning	3
<b>SOC 100</b>	General Sociology (GT-SS3)	3
<b>SOC 105</b>	Social Problems (GT-SS3)	3
<b>SOWK 110</b>	Contemporary Social Welfare (GT-SS1)	3

Code	Title	Credits
<b>SPCM 130</b>	Relational and Organizational Communication (GT-SS3)	3
<b>WS 200</b>	Introduction to Women's Studies	3

Course List

### D. Historical Perspectives (3 credits)

The objective of the Historical Perspectives requirement is to engage students in an analytical, chronological study of significant, multi-dimensional human experiences. It should also provide students with a foundation for relating beliefs about the past to aspirations for the future.

Code	Title	Credits
<b>AGED 210</b>	History of Agriculture in the United States	3
<b>AMST 100</b>	Self/Community in American Culture, 1600-1877 (GT-AH2)	3
<b>AMST 101</b>	Self/Community in American Culture Since 1877 (GT-AH2)	3
<b>ANTH 140</b>	Introduction to Prehistory (GT-HI1)	3
<b>ETST 250</b>	African American History (GT-HI1)	3
<b>ETST 252</b>	Asian-American History (GT-HI1)	3
<b>ETST 255</b>	Native American History (GT-HI1)	3
<b>HIST 100</b>	Western Civilization, Pre-Modern (GT-HI1)	3
<b>HIST 101</b>	Western Civilization, Modern (GT-HI1)	3
<b>HIST 115</b>	The Islamic World: Late Antiquity to 1500	3
<b>HIST 116</b>	The Islamic World Since 1500	3
<b>HIST 120</b>	Asian Civilizations I (GT-HI1)	3
<b>HIST 121</b>	Asian Civilizations II (GT-HI1)	3
<b>HIST 150</b>	U.S. History to 1876 (GT-HI1)	3
<b>HIST 151</b>	U.S. History Since 1876 (GT-HI1)	3
<b>HIST 170</b>	World History, Ancient-1500 (GT-HI1)	3
<b>HIST 171</b>	World History, 1500-Present (GT-HI1)	3
<b>HIST 201</b>	Seminar – Approaches to History	3
<b>HIST 250</b>	African American History (GT-HI1)	3
<b>HIST 252</b>	Asian American History (GT-HI1)	3
<b>HIST 255</b>	Native American History (GT-HI1)	3
<b>NR 320</b>	Natural Resources History and Policy	3

Course List

### E. Global and Cultural Awareness (3 credits)

The objective of the Global and Cultural Awareness requirement is to engage students in the study of particular cultural identities, explore the interactions among these cultural identities, and consider the ways in which these patterns of interaction are related to the larger global context in which they take place. Courses listed in this category may have been approved as meeting Arts and Humanities, Historical Perspectives, or Social and Behavioral Sciences in the **GT Pathways statewide transfer program**, but



they do not fulfill any of those categories of the AUCC. They **only** satisfy category 3E, Global and Cultural Awareness, in the AUCC.

<b>Code</b>	<b>Title</b>	<b>Credits</b>
<b>AGRI 116</b>	Plants and Civilizations (GT-SS3)	3
<b>AGRI 270</b>	World Interdependence-Population and Food (GT-SS3)	3
<b>AM 250</b>	Clothing, Adornment and Human Behavior (GT-SS3)	3
<b>ANTH 200</b>	Cultures and the Global System (GT-SS3)	3
<b>E 142</b>	Reading Without Borders (GT-AH2)	3
<b>E 238</b>	20th-Century Fiction (GT-AH2)	3
<b>E 245</b>	World Drama (GT-AH2)	3
<b>ECON 211</b>	Gender in the Economy (GT-SS1)	3
<b>ETST 100</b>	Introduction to Ethnic Studies (GT-SS3)	3
<b>ETST 205</b>	Ethnicity and the Media (GT-SS3)	3
<b>ETST 253</b>	Chicanx History and Culture (GT-HI1)	3
<b>ETST 256</b>	Border Crossings: People/Politics/Culture (GT-SS3)	3
<b>HONR 293</b>	Honors Seminar—Knowing Across Cultures (GT-SS3)	3
<b>HORT 171</b>	Environmental Issues in Agriculture (GT-SS3)	3
<b>IE 116</b>	Plants and Civilizations (GT-SS3)	3
<b>IE 179</b>	Globalization: Exploring Our Global Village (GT-SS3)	3
<b>IE 270</b>	World Interdependence-Population and Food (GT-SS3)	3
<b>IE 370</b>	Model United Nations	3
<b>INST 200</b>	Interdisciplinary Approaches to Globalization	3
<b>LB 170</b>	World Literatures to 1500 (GT-AH2)	3
<b>LB 171</b>	World Literatures-The Modern Period (GT-AH2)	3
<b>MU 132</b>	Exploring World Music	3
<b>PHIL 170</b>	World Philosophies (GT-AH3)	3
<b>POLS 131</b>	Current World Problems (GT-SS1)	3
<b>POLS 232</b>	International Relations (GT-SS1)	3
<b>POLS 241</b>	Comparative Government and Politics (GT-SS1)	3
<b>SA 482</b>	Study Abroad	1-18
<b>SOC 205</b>	Contemporary Race-Ethnic Relations (GT-SS3)	3
<b>SOC 220</b>	Global Environmental Issues (GT-SS3)	3
<b>SOCR 171</b>	Environmental Issues in Agriculture (GT-SS3)	3

Course List

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### **Questions**

- Can courses that are AUCC also count toward the 27 credits for the major?
- Must courses for concentration be different from 27 credits for the major?