

*Degrees/Majors/Pre-Professional Curricula*

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## **BACCALAUREATE DEGREES**

The following statements pertain to all baccalaureate degrees:

- A minimum of 120 hours of undergraduate degree credit (courses numbered 100-599) is required.
- The University Studies Program, consisting of 51 hours, is required.
- A minimum of 30 hours must be completed in residence at Southeast.
- A minimum of 39 hours of senior college courses (300-599) must be completed after completion of 45 hours.
- 30 of the last 60 credits earned for a bachelor's degree that the institution awards must be earned at Southeast.
- The student's last term must be completed at Southeast, except that, in the case where six or fewer hours are needed to meet the total number of hours required for graduation, they may be taken at another accredited college or university, or by extension or correspondence subject to the rules governing extension courses and transfer of credit.
- Required completion of Student Transitions Career Proficiency Checks CL 001, CL 002, CL 003, and CL 004.
- Required completion of WP 003.
- Required completion of the Measure of Academic Proficiency and Progress (MAPP) at the freshman and senior levels.
- No more than one-half of the junior college and one-half of the senior college work on a major or minor may be taken by correspondence and/or extension.
- A minimum cumulative GPA of 2.0 is required for graduation, except for the B.S. in Education, the B.S. in Family and Consumer Sciences Education, the Bachelor of Music Education, the major in Communication Disorders, the major in Interdisciplinary Studies, the major in Mass Communication, and the Bachelor of Fine Arts in Theatre and in Dance which require a 2.5 GPA for graduation, the Bachelor of Science in Business Administration which requires a 2.25 GPA for graduation and the major in Social Work which requires a 2.25 GPA for graduation.
- A minimum 2.0 GPA for all of the degree credit attempted at Southeast is required.

- For all degrees which require a major, a minimum 2.0 GPA must be earned in those courses counted on the major, except for Business Administration majors which require a 2.25 GPA, majors on the Secondary Education degree, the Mass Communication major, the Health Management major, the Sport Management major, the Dance major and the Theatre major which require a 2.5 GPA, the Communication Disorders major which requires a 2.75 GPA, and the 2-Dimensional and 3-Dimensional Art majors, BFA-Dance and Theatre majors, all Music majors, Human Environmental Studies: Dietetics Option and the Social Studies Education major which require a 3.0 GPA.
- A minimum 2.0 GPA must be earned in those courses completed at Southeast that are counted on the major.
- When applicable, a course may be counted toward more than one requirement, e.g., University Studies, major and minor.
- The student must pass EN 099 and MA 102 or score at the appropriate levels on placement tests to have the courses waived.

**NOTE:** There may be additional specific graduation requirements for individual programs. Further information is available in the College Advising Offices.

## **DEGREES/MAJORS**

The Colleges of the University and the School of University Studies offer majors in many fields to meet the diverse needs of its student population. Information regarding degrees and majors is available from the individual departments and from the following Advising Centers:

**Donald L. Harrison College of Business (Bus)**  
Dempster Hall, room 123  
Telephone (573) 651-5090

**College of Education (Ed)**  
Scully Building, room 309  
Telephone (573) 651-2128

**College of Health & Human Services (H&HS)**  
University Center, room 209  
Telephone (573) 651-2015

**College of Liberal Arts (Lib Arts)**  
University Center, room 209  
Telephone (573) 651-2007

**College of Science, Technology & Agriculture  
(ST&A)**

Rhodes Hall, room 117  
Telephone (573) 651-2173  
Seabaugh Polytechnic Building, room 118  
Telephone (573) 651-5930

**School of University Studies**

University Center, room 209  
Telephone (573) 986-7328

**The requirements for the majors are listed  
alphabetically under the appropriate degree:**

<b>Degree</b>	<b>Page</b>
Bachelor of Arts (BA)	81
Bachelor of Fine Arts (BFA)	87
Bachelor of General Studies (BGS)	89
Bachelor of Science (BS)	89
Bachelor of Science in Bus Admin (BSBA)	108
Bachelor of Science in Education (BSED)	111
Bachelor of Family & Consumer Sciences Education (BFCSE)	120
Bachelor of Music Education (BME)	121
Bachelor of Music (BM)	122
Bachelor of Science in Nursing (BSN)	122
Associate degrees (AA, AAS)	123

**Note:** A maximum of 30 semester hours of business courses (AC, AD, BA, BL, FI, MG, MK, QM prefixes) may be taken by nonbusiness majors.

**MAJOR/DEGREE DEPARTMENT/COLLEGE**

Accounting/BSBA	Accounting/Bus
Advertising	(see Mass Communication)
Agribusiness/BS	Agriculture/ST&A
Agriculture Industry	
Animal Science	
Horticulture	
Plant & Soil Science	
Agricultural Education/BSED	Agriculture/ST&A
Animal Science	(see Agribusiness)
Art/BA, BFA, BSED	Art/Lib Arts
Athletic Training/BS	Health, Hum Perf & Rec/H&HS
Biology/BS, BSED	Biology/ST&A
Business Administration/BSBA	Harrison College of Business
Business Education/BSED	Accounting /Bus
Chemistry/BA, BS, BSED	Chemistry/ST&A
Child Care & Guidance/AA	Human Envir. Studies/H&HS
Child Development	(see Human Envir. Studies)
Commercial Photography/BS	Industrial Technology/ST&A
Communication Disorders/BS	Comm Disorders/H&HS
Communication Studies/BA	Communication/Lib Arts
Computer/Multimedia Graphics	(see Industrial Technology)
Computer Information Systems/BS	Computer Sci/ST&A
Computer Science/BS	Computer Sci/ST&A
Computer Technology/AAS	Industrial Technology/ST&A
Construction Mgmt & Design	(see Industrial Technology)
Corporate Communication/BS	Communication/Lib Arts
Criminal Justice/BS	Crim Justice & Sociology/H&HS

Corrections	
Criminology	Law Enforcement
Cybersecurity/BS	Industrial Technology/ST&A
Dance/BA, BFA	Theatre & Dance/Lib Arts
Dietetics	(see Human Envir. Studies)
Early Childhood Educ/BSED	Erly, Elem & Special Educ/Ed
Economics/BS	Economics & Finance/Bus
Economics/BSBA	Economics & Finance /Bus
Business Economics	
Financial Economics	
Elementary Education/BSED	Erly, Elem & Special Educ/Ed
Engineering Physics/BS	Physics & Engr Physics/ST&A
Computer Applications	
Electrical Applications	
Mechanical Applications	
Engineering Technology/BS	Industrial Technology/ST&A
Electrical & Control	
Mechanical/Manufacturing Systems	
Engineering Technology Education/BSED	Industrial Technology/ST&A
English/BA, BSED	English/Lib Arts
Literature	
Writing	
Entrepreneurship	(See Management)
Environmental Science/BS	Environmental Sci/ST&A
Exceptional Child Educ/BSED	Erly, Elem & Special Educ/Ed
Family & Consumer Sciences	Human Envir. Studies/H&HS
Educ/FCSE	
Family Studies	(see Human Envir. Studies)
Fashion Merchandising	(see Human Envir. Studies)
Finance/BSBA	Economics & Finance /Bus
Fine Arts/BFA	College of Liberal Arts
French/ BSED	Global Cult & Lang/Lib Arts
General Studies/BGS	University Studies
German/BSED	Global Cult & Lang/Lib Arts
Global Cultures & Languages/BA	Global Cult & Lang/Lib Arts
Anthropology	
Foreign Language	
Global Studies	
Health Management/BS	Health, Hum Perf & Rec/H&HS
Exercise Science	Health Promotion
Historic Preservation/BS	History/Lib Arts
History/BA	History/Lib Arts
Hospitality Mgt/BS	Human Envir. Studies/H&HS
Human Environmental Studies/BS	Human Envir. Studies/H&HS
Child Development	
Dietetics	
Family Studies	
Fashion Merchandising	
Interior Design	
Horticulture	(see Agribusiness)
Human Resource Management	(See Management)
Industrial Management	(see Industrial Technology)
Interdisciplinary Studies/BS	University Studies
International Business/BSBA	Mgmt & Mktg/Bus
Interior Design	(see Human Envir. Studies)
Management/BSBA	Mgmt & Mktg/Bus
Entrepreneurship	
Human Resource Management	
Management	
Marketing/ BSBA	Mgmt & Mktg/Bus
Integrated Marketing Communication	
Marketing Management	
Sales Management	
Mass Communication	Communication/Lib Arts
Advertising/BS	
Multimedia Journalism/BS	

Public Relations/BS Television & Film/BS	
Mathematics/BS .....	Mathematics/ST&A
Applied Mathematics & Statistics	
Pure Mathematics .....	
Mathematics/BSED .....	Mathematics/ST&A
Medical Technology/BS .....	Chemistry/ST&A
Middle School Education .....	
Middle & Secondary Ed/Ed	
Multimedia Journalism .....	(see Mass Communication)
Music/BA .....	Music/Lib Arts
Music/BM .....	Music/Lib Arts
Composition	
Instrumental Performance	
Vocal Performance	
Music Education/BSE .....	Music/Lib Arts
Instrumental	
Vocal	
Nursing/BSN .....	Nursing/H&HS
Philosophy/BA .....	Pol Sci, Phil & Religion /Lib Arts
Physical Education, PK-12/BSED .....	Health, Hum Perf & Rec/H&HS
Physics/BS, BSED .....	Physics & Engr Physics/ST&A
Political Science/BA, BS .....	Pol Sci, Phil & Religion/Lib Arts
Psychology/BS .....	Psychology/Lib Arts
Public Relations .....	(see Mass Communication)
Recreation/BS .....	Health, Hum Perf & Rec/H&HS
Secondary Education .....	(see specific major)
Social Science/BA .....	History/Lib Arts
Social Studies/BSED .....	History/Lib Arts
Social Work/BS .....	Social Work/H&HS
Spanish/ BSED .....	Global Cult & Lang/Lib Arts
Sport Management/BS .....	Health, Hum Perf & Rec/H&HS
Technology Management/BS .....	Industrial Technology/ST&A
Computer & Multimedia Graphics	
Construction Management and Design	
Facilities Management & Sustainability	
Industrial & Safety Management	
Sustainable Energy Systems Management	
Technology Management	
Telecommunication & Computer Networking	
Telecomm & Computer Networking .....	(see Industrial Technology)
Theatre/BA .....	Theatre & Dance/Lib Arts
Theatre/BFA .....	Theatre & Dance/Lib Arts
Acting	
Design/Technology	
Musical Theatre	
Television & Film .....	(see Mass Communication)

- Communication Studies
- Dance
- English
  - Options: Literature
  - Writing
- Global Cultures & Languages
  - Options: Anthropology
  - Foreign Language
  - Global Studies
  - History
- Music
- English
- Philosophy
- Political Science
- Social Science
- Theatre

## ART

### 36 Hour Major Minor Required

(see also Bachelor of Fine Arts degree)

Required Courses:

- AR 001 Freshman Core Review (0)
- AH 110 Art History Survey I (3)
- AH 210 Art History Survey II (3)
- AR 100 Drawing I (3)
- AR 104 Design Foundations (3)
- AR 106 3D Foundations (3)
- AR 201 Color Composition (3)
- AR 202 Drawing II (3)
- AR 325 Painting (3)
- AR 332 Sculpture I (3)

**Choose 6 Hours Additional Art History Courses (300-500 level)**

**Choose 3 to 19 hours of art/art history electives. Every year, two pieces of artwork must be entered in the Juried Student Assessment Exhibition.**

## BACHELOR OF ARTS DEGREE

Primarily for students who major in the arts, language, or literature, history and certain social sciences; often selected as a pre-professional degree by those who wish a broad education.

The areas from which majors must be chosen are:

- Art
- Chemistry
  - Options: Business
  - Forensic Science

## CHEMISTRY

### 34 Hour Major Required Core Courses

- CH 185 General Chemistry (5)
- CH 186 Found of Inorganic Chem (3)
- CH 187 Inorg Chem & Qual Analysis (2)
- CH 271 Found of Analy Chem (5)
- CH 311 Found of Physical Chem (4)
- CH 313 Physical Chem Lab (3)
- CH 341 Found of Organic Chem (4)

- CH 342 Organic Chemistry Lab I (1)  
 CH 498 Professional Presentation in Chemistry (1)  
 CH 531/UI 331 Found of Biochemistry (3)  
 UI 443 Professional Experience in Chemistry (3)

**Additional Requirements: 13 hours**

- MA 139 Applied Calculus (3)  
 PH 120 Introductory Physics I (5)  
 PH 121 Introductory Physics II (5)

**Choose One Option: BUSINESS\*\***

- AC 221 Principles of Accounting I (3)  
 AC 222 Principles of Accounting II (3)  
 IS 175 Information Systems I (3)  
 EC 215 Principles of Microeconomics (3)  
 EC 225 Principles of Macroeconomics (3)  
 FI 361 Financial Management (3)  
 QM 257 Business Statistics (3)

**OR**

- MA 223 Elementary Probability and Statistics (3)  
 MG 301 Management and Organizational Behavior (3)  
 MI 375 Management Information Systems (3)  
 MK 301 Principles of Marketing (3)

*\*\*Upon completion of the B.S. in Chemistry (Business Option), students may apply directly to the MBA program at Southeast. For more information about the MBA degree program, contact the MBA office in the Robert A. Dempster Hall at Southeast Missouri State University.*

**CHEMISTRY OPTION – minor required**

- CH 533 Biochemistry Lab (2)

**FORENSIC SCIENCE OPTION – no minor required**

- CH 420 Forensic Chemistry (4)  
 CJ 100 Introduction to Criminal Justice (3)  
 CJ 350 Criminalistics (3)  
 FS 550 Crime Laboratory I: Microscopy (2)  
 FS 552 Crime Laboratory II: Blood and Fluids (2)

**Take one of the following courses:**

- CH 575 Chemical Instrumentation (4)

**OR**

- EV 460 Introduction to Toxicology (3)

**COMMUNICATION STUDIES****30 Hour Major - Minor Required****Required Courses:**

- SC 001 Exit Interview (0)  
 SC 105 Fund of Oral Communication (3)

**OR**

- SC 155 Fund of Interpers Communication (3)  
 SC 200 Advanced Public Speaking (3)  
 SC 320 Group Comm & Decision-Making (3)  
 UI 345 Nonverbal Communication (3)  
 UI 425 Persuasion (3)

**OR**

- SC 560 Organizational Communication (3)

**Choose 15 Hours from the Following:**

- SC 215 Intercultural Communication (3)  
 SC 310 Speech Writing (3)  
 SC 314 Argumentation & Problem Solving (3)  
 SC 330 Corporate & Professional Comm (3)  
 SC 335 Interviewing (3)  
 SC 355 Relational Comm Strategies (3)  
 SC 360 Experiential Comm Proj (1-3)  
 SC 406 Negotiation & Conflict Mgmt (3)  
 SC 463 Independent Study (3)  
 SC 482 Special Problems in Comm Studies (3)  
 SC 483 Internship in Speech Comm (3)  
 SC 510 Leadership & Team Building (3)  
 SC 560 Organizational Communication (3)  
 UI 301 Managerial Communication (3)  
 UI 320 Modern Presidency (3)  
 UI 423 Political Communication (3)  
 UI 425 Persuasion (3)  
 UI 504 Leaders of Social Change (3)

**DANCE****47 Hour Major - Minor Required****Required Courses:**

- DA 105 Rehearsal & Production I (2)  
 DA 280 Movement Analysis (3)  
 DA 282 Movement Improvisation (3)  
 DA 290 Dance in World Cultures (3)  
 DA 305 Rehearsal/Production II (6)  
 DA 380 Choreography I (3)  
 DA 430 Princ of Teaching Dance (3)  
 DA 485 Choreography II (3)  
 DA 490 Dance History (3)

**Choose 6 hours\*:**

- DA 211 Ballet I (2)  
 DA 311 Ballet II (2)  
 DA 411 Ballet III (2)

**Choose 6 hours\*:**

- DA 221 Modern Dance I (2)  
 DA 321 Modern Dance II (2)  
 DA 421 Modern Dance III (2)

**Choose 6 hours\*:**

- DA 226 Jazz Dance I (2)  
 DA 326 Jazz Dance II (2)  
 DA 426 Jazz Dance III (2)

*\*4 hours must 300-400 level*

**Additional requirement:**

- UI 384 History of the Musical (3)

**OR**

- UI 433 Aesthetics of Movement (3)

**ENGLISH**

**36 Hour Major - Minor Required**

**Required Courses:**

**Writing (Choose 6 hours):**

- EN 201 Writing About Literature (3)
- EN 275 Intro to Creative Writing (3)
- EN 376 Advanced Composition\* (3)

*\*Required for Writing option*

**Surveys (Choose 9 hours):**

- LI 260 English Lit I (3)
- LI 261 English Lit II (3)
- LI 270 American Lit I (3)
- LI 271 American Lit II (3)

**World Survey (Choose 3 hours):**

- LI 311 World Literature I (3)
- LI 312 World Literature II (3)

**Language (Choose 3 hours):**

- EN 486 Sociolinguistics (3)
- UI 500 History of the English Language (3)
- UI 501 Principles of Language (3)

**Choose One 15 Hour Option:**

**LITERATURE OPTION**

**Early English Literature (Choose 3 hours):**

- LI 560 Chaucer (3)
- LI 577 Studies in Early English Lit (3)
- UI 431 Shakespeare Tragedies & Hum Cond (3)
- UI 432 Shakespeare Hist/Comed & Hum Cond (3)

**Late English Literature (Choose 3 hours):**

- LI 476 Early Twentieth-Century British Literature (3)
- LI 578 Studies in Later English Lit (3)
- UI 341 Victorian Studies (3)

**American Literature (Choose 6 hours):**

- LI 421 Cross-Cultural Amer Voices (3)
- LI 565 Southern Literature (3)
- LI 568 19th Century American Novel (3)
- LI 570 Modern/Contemp American Novel (3)
- LI 571 Contemporary American Poetry (3)
- LI 576 Am Fiction/21st Century (3)

**World Literature (Choose 3 hours):**

- LI 510 Literature & the Bible (3)
- LI 572 The Modern Essay (3)
- LI 574 Australian Literature (3)
- LI 587 Women and Madness (3)
- UI 332 Images of Women in Literature (3)

**WRITING OPTION**

**Writing Techniques (Choose 3 hours):**

- EN 376 Advanced Composition\* (3)
- EN 550 Style in Writing (3)
- LI 572 The Modern Essay (3)

*\*Unless taken in the core*

**American Literature (Choose 3 hours):**

- LI 421 Cross-Cultural Amer Voices (3)
- LI 542 Literature for the Young Adult (3)
- LI 565 Southern Literature (3)
- LI 570 Modern/Contemp American Novel (3)
- LI 571 Contemporary American Poetry (3)
- LI 576 Am Fiction/21st Century (3)

**Professional Writing (Choose 3 hours):**

- EN 301 Writing for Science & Technology (3)
- EN 311 Literary Manuscript Editing Practicum (3)
- EN 435 Internship in English (3)
- LI 301 Small Press Publishing (3)

**Creative Writing (Choose 3 hours):**

- EN 470 Advanced Creative Writing: Poetry (3)
- EN 478 Advanced Creative Writing: Fiction (3)

**Choose 3 additional hours writing course not taken above**

**Additional Requirements:**

- EN 001 Writing Portfolio (Writing Option)
- LI 001 Literature Portfolio (Literature Option)
- xx xxx 9 Hours in One or Two Foreign Languages (All Options)

**OR**

- xx xxx 6 Hours in One Foreign Language

**AND**

**One of the following:**

- AN 341 Intro to Linguistic Anthropology (3)
- EN 378 Grammars of English (3)
- EN 486 Sociolinguistics (3)\*
- UI 500 History of the English Language (3)\*
- UI 501 Principles of Language (3)\*

*\*If not taken elsewhere in the major*

**GLOBAL CULTURES AND LANGUAGES**

**45-48 Hour Major – Minor Required**

**Required Courses:**

- AN 101 Observing Other Cultures (3)
- AN 181 Intro to Cultural Anthropology (3)
- FR/GN/SN 220 French/German/Hispanic Lit (3)\*\*

**OR**

- LI 220 Fiction & the Human Experience (3)
- 9 Hours of Same Foreign Language\*
- Other Foreign Language (3)

**OR**

- GG 150 Peoples & Places of the World (3)\*\*
- PS 104 Comparative Political Systems (3)

*\*When choosing the Foreign Language or Global Studies option, language taken must match the track that is chosen.*

*\*\*GG 150 required for Global Studies Option.*

**Choose One Option:****ANTHROPOLOGY OPTION (24 Hours):**

- AN 180 Intro Phys Anthro/Archaeology (3)  
 AN 317 Ethnographic Field Methods (3)  
 AN 341 Intro to Linguistic Anthro (3)  
 AN 380 Human Evol & Adaptations (3)  
 AN 382 Archaeology: Method & Theory (3)  
 AN 493 Anthro Theory Sem: Cultural/Linguis (3)

**OR**

- AN 4xx Anthro Theory Sem: Phys/Archaeology (3)

**Approved Anthropology Electives (6)\*\*\*****FOREIGN LANGUAGE OPTION (24 Hours):****French Track: Required Course:**

- FR 001 French Exit Exam (0)

**Choose 24 hours:\*\*\*\***

- FL 311 Survey/French/German/Spanish Lit (3)  
 FL 400 Practicum in Foreign Language (3)  
 FL 852 Field Exp in Foreign Language (3)  
 FR 301 Interm French Composition (3)  
 FR 302 Exp French Lang & Culture (1)  
 FR 305 Conversational French (3)  
 FR 306 Contemporary France (3)  
 FR 311 Survey of French Lit II (3)  
 FR 315 Commercial French (3)  
 FR 320 French Pronunciation/Phonetics (3)  
 FR 330 French Grammar (3)  
 FR 402 Independent Study in French (3)  
 FR 415 17th Century French Lit (3)  
 FR 430 20th Century French Lit (3)  
 FR 495 Foreign Lang Internship in French (3)

**German Track:****Required Course:**

- GN 001 German Exit Exam (0)

**Choose 24 hours:\*\*\*\***

- FL 311 Survey/French/German/Spanish Lit (3)  
 FL 400 Practicum in Foreign Languages (3)  
 GN 301 German Composition (3)  
 GN 302 Exp German Lang & Culture (1)  
 GN 305 Conversational German (3)  
 GN 310 Survey of German Lit I (3)  
 GN 311 Survey of German Lit II (3)  
 GN 315 Commercial German (3)  
 GN 320 German Culture & Civ (3)  
 GN 330 German Grammar (3)  
 GN 340 German Phonetics/Pronunc (3)  
 GN 375 History of German Film (3)  
 GN 402 Independent Study in German (3)  
 GN 424 20th Century German Lit (3)  
 GN 440 Special Topics: German (3)  
 GN 495 Foreign Lang Intern Germany (3)  
 GN 816 Adv Lang & Culture Germany (3)

**Spanish Track:****Required Course:**

- SN 001 Spanish Exit Exam (0)

**Choose 24 hours:\*\*\*\***

- FL 311 Survey/French/German/Spanish Lit (3)  
 FL 400 Practicum in Foreign Languages (3)  
 FL 849 Int Crs/Foreign Language & Culture (3)  
 SN 300 Spanish American Culture (3)  
 SN 301 Interm Spanish Composition (3)  
 SN 302 Exp Spanish Lang/Culture (1)  
 SN 305 Conversational Spanish (3)  
 SN 306 Civilization of Spain (3)  
 SN 330 Spanish Grammar (3)  
 SN 400 Special Topics: Spanish (3)  
 SN 402 Independent Study in Spanish (3)  
 SN 403 Survey of Spanish Lit I (3)  
 SN 404 Survey of Spanish Lit II (3)  
 SN 430 Spanish American Lit I (3)  
 SN 435 Spanish American Lit II (3)  
 SN 495 For Lang Internship in Spanish (3)

**GLOBAL STUDIES OPTION (21 Hours):**

- GG 180 Cultural Geography (3)  
 GH 130 Latin American Civ (3)

**OR**

- EH 103 Modern European Civ (3)  
 xx 300-599 Study Abroad/Internship (3)  
 xx xxx Approved Upper Division Elective (6)\*\*\*

**Chinese Track**

- xx 300-599 Study Abroad in China (6)

**Francophone Track:**

- FR 306 Contemporary France (3)  
 UI 362 Contemporary French Culture (3)

**Germanic Track:**

- EH 516 History of Modern Germany (3)  
 GN 320 German Culture & Civilization (3)

**Hispanic Track:**

- SN 300 Spanish American Culture (3)

**OR**

- SN 306 Civilization of Spain (3)  
 WH 520 Latin Am Colonial History (3)

**OR**

- WH 524 History of Mexico Since 1810 (3)

**Japanese Track:**

- xx 300-599 Study Abroad in Japan (6)

\*\*\*See Department for list of approved electives

\*\*\*\*1-16 hours of French, German or Spanish may be earned through Study Abroad. Contact the Department of Global Cultures and Languages for details.

## HISTORY

### 39 Hour Major - Minor Required

#### Required Courses:

- GH 007 BA Portfolio Review (0)  
 GH 315 Historiography (3)  
 GH 415 Senior Seminar in History (3)

#### Choose 15 Senior Level Hours From:

- EH xxx (6)  
 US xxx (6)  
 WH xxx (3)

#### Choose 6 Senior Level Hours From:

- EH, GH, US OR WH prefix courses (6)

#### Choose an additional 12 Hours of EH, GH, US, WH, HP 100, HP 200 or departmentally approved UI courses

(Only 3 Hours UI courses can be counted on major)

#### Additional Requirement:

xx xxx 6 Hours in ONE Foreign Language

#### Choose one of the following options:

xx xxx 6 Hours in Foreign Language

#### OR

PY 271 Research Design and Analysis I (3)

#### AND

PY 370 Research Design and Analysis II (3)

#### OR

MA 134 College Algebra (3)

#### AND

MA 223 Elementary Prob & Statistics (3)

#### OR

CS 120 Intro to Computer Science (3)

#### OR

SO 242 Statistics for Social Scientists (3)

## MUSIC

### 50-52 Hour Major - Minor Required

*(A grade of 'C' or better is required for all courses within the major.)*

#### Required courses for Instrumental & Vocal Options:

- MM 101 Theories of Music in Culture (3)  
 MM 102 Basic Harmony & Form (3)  
 MM 105 Aural Skills I (1)  
 MM 106 Aural Skills II (1)  
 MM 203 Adv Harmony, Form & Counterpoint (3)  
 MM 204 Twentieth Century Techniques (3)  
 MM 207 Aural Skills III (1)  
 MM 208 Aural Skills IV (1)  
 MH 251 History & Lit of Music to 1827 (3)  
 MH 252 Evolution of Musical Style Since 1827 (3)  
 MP 001 Recital (0)  
 MP 1xx Applied Music (2)  
 MP 2xx Applied Music (2)

- MP 3xx Applied Music (2)  
 MU 001 Piano Proficiency (0)  
 MU 002 Sophomore Review (0)  
 MU 110 Recitals & Concerts(six semesters) (0)  
 MU 151 Functional Piano I (1)  
 MU 152 Functional Piano II (1)  
 MU 253 Functional Piano III (1)  
 MU 254 Functional Piano IV (1)  
 MU 3xx Instrumental or Vocal Ensemble (6)  
 UI 310 American Music Experience (3)  
 UI 402 Music in World Cultures (3)

#### Choose 3 Hours From:

- UI 315 Electronics & Computers in Music (3)  
 UI 392 The Age of Romanticism (3)  
 UI 393 The Age of Modernism (3)  
 UI 394 Music & Culture: 1600-1750 (3)  
 UI 396 The Age of Beethoven (3)  
 UI 397 Music in Medieval & Renaissance Culture (3)

#### Additional Required Courses for Vocal Option:

- MU 123 Singer's Diction I (1)  
 MU 124 Singer's Diction II (1)

#### Additional Requirement for all BA Music majors:

xx xxx 6 Hours in ONE Foreign Language

## PHILOSOPHY

### 31 Hour Major - Minor Required

#### Required Courses:

- PL 120 Symbolic Logic I (3)  
**OR**  
 PL 330 Symbolic Logic II (3)  
 PL 203 Aesthetics and The Arts (3)  
**OR**  
 PL 204 Ethical Theory (3)  
**OR**  
 PL 245 Social & Political Philosophy (3)  
 PL 300 Ancient Philosophy (3)  
 PL 310 Modern Philosophy (3)  
 PL 390 Contemporary Philosophy (3)  
 PL 400 Seminar: Topics in Philosophy (3)  
 PL 450 Seminar: Meths & Movmts in Philosophy (3)  
 PL 481 Practicum (1)

#### Choose 9 Hours of PL or Departmentally Approved UI Courses

*(At least one course must be 300-400 level)*

## POLITICAL SCIENCE

### 30 Hour Major - Minor Required

#### Required Courses:

- PS 001 Senior Assessment (0)  
 PS 103 United States Political Systems (3)  
**OR**



- PS 104 Comparative Political Systems (3)  
 PS 240 Intro to Political Science (3)  
 PS 470 Politics of the Developed World (3)

**Choose 21 Hours From the Following Categories:**

*(3 Hours from Each Category plus 6 Additional Hours)*

**American Government & Politics**

- PS 310 Govt & Politics in American States (3)  
 PS 335 American Foreign Policy (3)  
 PS 360 Political Parties & Voting Behavior (3)  
 PS 365 Legislative Process (3)  
 PS 387-389 Independent Study in Poli Sci (1-3)  
 PS 390 American Judicial System (3)  
 PS 418 Public Policy Analysis (3)  
 PS 490 Constitutional Law (3)  
 UI 320 Modern Presidency (3)

**Comparative Governments & Politics**

- IU 310 Gov & Pol of East Asia (3)  
 PS 355 Less Developed Nations (3)  
 PS 387-389 Independent Study in Poli Sci (1-3)  
 PS 460 Govt & Politics West Europe (3)  
 UI 350 Middle East Politics (3)

**International Politics**

- PS 280 Intro to Global Issues (3)  
 PS 335 American Foreign Policy (3)  
 PS 380 International Organizations (3)  
 PS 387-389 Independent Study in Poli Sci (1-3)  
 PS 580 International Politics (3)  
 PS 595 International Law (3)  
 UI 322 International Political Economy (3)

**Public Administration**

- PI 381-383 Internship in Political Science (1-3)  
 PS 230 American Public Policy (3)  
 PS 384-386 Internship in Political Science (3)  
 PS 387-389 Independent Study in Poli Sci (1-3)  
 PS 402 Fundamentals of Public Admin (3)  
 PS 403 Public Personnel Admin (3)  
 PS 405 Org Theory/Behavior (3)  
 PS 415 Government Budgeting Process (3)  
 PS 418 Public Policy Analysis (3)  
 PS 425 Administrative Law & Procedure (3)

**Political Theory**

- PS 387-389 Independent Study in Poli Sci (1-3)  
 UI 342 Modern Political Thought (3)  
 UI 357 Early American Political Thought (3)  
 UI 358 Foundations of Political Thought (3)  
 UI 361 Contemporary Political Theory (3)

**Additional Requirement:**

- xx xxx 12 Hours in ONE Foreign Language

**SOCIAL SCIENCE**

**39 Hour Major – No Minor Required  
 Required Courses:**

- OS 200 Survey of Social Science (3)  
 OS 300 Problems in Social Science (3)  
 OS 400 Social Science Research Methods (3)

**Choose one of the following courses:**

- MA 155 Statistical Reasoning (3)  
 MA 223 Elementary Probability and Statistics (3)  
 PY 271 Research Analysis I (3)  
 QM 257 Business Statistics (3)  
 SO 242/SW242 Statistics for Social Scientists (3)

**Choose 21 Hours in a Concentration in one of the following areas.**

**At least 15 Hours must be at the 300-500 level:**

- Anthropology  
 Criminal Justice  
 Economics  
 History (any prefix)  
 Political Science  
 Psychology  
 Sociology

**Choose 6 Hours from any courses (300-599) in the areas below except for the area of concentration:**

- Anthropology  
 Criminal Justice  
 Economics  
 History (any prefix)  
 Political Science  
 Psychology  
 Sociology

**Language and Math/Statistics Options:**

*Students may substitute up to 6 hours in foreign language and/or additional math/statistics courses from the above hours, in either category, with the approval of the Coordinator of the Social Science B.A.*

**University Studies Interdisciplinary Program  
 Options:**

UI courses in Social Science may be substituted in any category with the approval of the Coordinator of the Social Science B.A. The program will maintain a list of acceptable substitutions.

**THEATRE**

**48 Hour Major - Minor Required**

**Required Courses:**

- TH 105 Rehearsal & Production I (2)  
 TH 155 Makeup (3)  
 TH 218 Acting I (3)  
 TH 231 Stagecraft I (3)

- TH 251 Costume Construction (3)
- TH 305 Rehearsal & Production II (6)
- TH 381 Script Analysis (3)
- TH 385 Directing I (3)
- TH 490 Theatre History I (3)
- TH 495 Theatre History II (3)

**Choose 3 hours:**

- TH 265 Drawing for Theatre I (3)
- TH 316 Acting II (3)

**Select 13 Hours from:\***

- TH 122 Class Voice for Musical Theatre I (3)
- TH 219 Auditioning (1)
- TH 222 Class Voice/Mus Theatre II (3)
- TH 266 Drawing for the Theatre II (3)
- TH 317 Voice for Actors (3)
- TH 318 Musical Theatre Performance I (3)
- TH 319 Acting for Film and Television (3)
- TH 321 Stage Combat I (3)
- TH 322 Class Voice/Mus Theatre III (2)
- TH 331 Stagecraft II (3)
- TH 350 Stage Lighting I (3)
- TH 351 Costume Design I (3)
- TH 361 Scene Painting (3)
- TH 371 Scenic Design I (3)
- TH 375 Performing Arts Mgmt (3)
- TH 386 Sound Design (3)
- TH 395 Period & Style (3)
- TH 416 Acting III (3)
- TH 418 Musical Theatre Performance II (3)
- TH 431 Stage Combat II (3)
- TH 450 Stage Lighting II (3)
- TH 451 Costume Design II (3)
- TH 471 Scenic Design II (3)
- TH 485 Directing II (3)

*\*9 hours must be at the 300-400 level.*

**BACHELOR OF FINE ARTS DEGREE**

The Bachelor of Fine Arts degree is offered in the areas of Art (Department of Art), Dance (Department of Theatre and Dance) and Theatre (Department of Theatre and Dance). Music Performance is offered under the Bachelor of Music degree (Department of Music) p. 121.

The areas from which majors must be chosen are:

- Art
- Dance
- Theatre

**ART**

**A 3.0 grade point average in the major must be maintained.**

**Grade of 'C' or better required in all BFA-Art major courses.**

**80 Hour Major - No Minor Required**

**Required Courses:**

- AH 110 Art History Survey I (3)
- AH 210 Art History Survey II (3)
- AR 001 Foundation Core Review (0)
- AR 100 Drawing I (3)
- AR 104 Design Foundations (3)
- AR 106 3D Foundations (3)
- AR 201 Color Composition (3)
- AR 202 Drawing II (3)
- AR 302 Printmaking (3)

**OR**

- AR 303 Screenprinting (3)

**OR**

- AR 501 Intaglio Printmaking (3)

**OR**

- AR 502 Lithography Printmaking (3)
- AR 314 Drawing III: Adv Problems (3)

**OR**

- AR 319 Intro to Graphic Design (3)
- AR 323 Art & New Technology (3)
- AR 325 Painting (3)
- AR 330 Fibers I (3)
- AR 332 Sculpture I (3)
- AR 342 Ceramics I (3)
- AR 490 BFA Studio Capstone (3)

**Choose 6 additional hours of Art History courses (300-500 level)**

**Elective Art Courses (29)**

Studio majors select 12-21 departmentally approved credit hours in one of the following specialized areas: Painting; Printmaking; Sculpture; Ceramics; Graphic Design/Illustration; or Digital Arts.

All concentration majors choose an additional 8 to 17 departmentally approved elective credit hours.

**DANCE**

**82 Hour Major – No Minor Required**

*(A grade of "C" is required in each course within the BFA-Dance major. Students must maintain a 3.0 gpa in the major.)*

All students wishing to advance in level will be required to successfully complete an annual jury as arranged by department faculty.

**Required Courses:**

- DA 105 Rehearsal & Production I (2)
- DA 280 Movement Analysis (3)
- DA 282 Movement Improv (3)
- DA 290 Dance in World Cultures (3)
- DA 305 Rehearsal & Production II (6)
- DA 380 Choreography I (3)
- DA 390 Topics in Dance (6)
- DA 395 Kinesiology/Phys of Dance (3)
- DA 430 Prin of Teaching Dance (3)
- DA 485 Choreography II (6)
- DA 490 Dance History (3)
- DA 498 BFA Project (2)
- DA 499 Internship (4)

**Choose 8 hours:\***

- DA 211 Ballet I (2)
- DA 311 Ballet II (2)
- DA 411 Ballet III (2)

**Choose 8 hours:\***

- DA 221 Modern Dance I (2)
- DA 321 Modern Dance II (2)
- DA 421 Modern Dance III (2)

**Choose 8 hours:\***

- DA 226 Jazz Dance I (2)
- DA 326 Jazz Dance II (2)
- DA 426 Jazz Dance III (2)

**\*6 hours must 300-400 level**

**Choose 8 hours:**

- DA 411 Ballet III (2)
- DA 421 Modern Dance III (2)
- DA 426 Jazz Dance III (2)

**Choose 3 hours:**

- DA 236 Tap I (2)
- DA 336 Tap II (2)
- TH 155 Makeup (3)
- TH 218 Acting I (3)
- TH 251 Costume Construction (3)
- TH 350 Stage Lighting I (3)

**Additional Requirements:**

- UI 384 History of the Musical (3)

**OR**

- UI 433 Aesthetics of Movement (3)

**THEATRE**

**83-84 Hour Major – No Minor Required**

*(A grade of "C" is required in each course within the BFA-Theatre major. Students must maintain a 3.0 gpa in the major.)*

- TH 105 Rehearsal & Production I (2)
- TH 107 Theory Skills & Analysis for Mus Theatre (3)\*

**OR**

- TH 231 Stagecraft I (3)
- TH 155 Makeup (3)
- TH 218 Acting I (3)\* \*\*

**OR**

- TH 101 Acting for Non-Majors (3)\*\*\*
- TH 251 Costume Construction (3)
- TH 305 Rehearsal & Production II (6)
- TH 307 Musical Theatre Score Study (3)\*

**OR**

- TH 375 Performing Arts Mgmt (3)
- TH 381 Script Analysis (3)
- TH 385 Directing I (3)
- TH 488 Senior Portfolio (3)
- TH 490 Theatre History I (3)
- TH 495 Theatre History II (3)
- TH 498 BFA Project (2)
- TH 499 Internship (4)

*\*Required for Musical Theatre Option*

*\*\*Required for Acting Option*

*\*\*\*Required for Design/Technology Option*

**Choose One Option:**

**ACTING (39 Hours)**

- TH 218 Acting I (3)
- TH 219 Auditioning (1)
- TH 316 Acting II (6)
- TH 317 Voice for the Stage (3)
- TH 319 Acting for Film & Television (3)
- TH 321 Stage Combat I (3)
- TH 416 Acting III (6)
- TH 431 Stage Combat II (3)
- TH 485 Directing II (3)

**Choose 8 hours:**

- DA 211 Ballet I (2)
- DA 221 Modern Dance I (2)
- DA 226 Jazz Dance I (2)
- DA 236 Tap Dance I (2)
- DA 282 Movement Improv (3)
- DA 311 Ballet II (2)
- DA 321 Modern Dance II (2)
- DA 326 Jazz Dance II (2)
- DA 336 Tap Dance II (2)
- TH 122 Class Voice for Musical Theatre I (3)
- TH 350 Stage Lighting (3)
- TH 351 Costume Design I (3)
- TH 371 Scenic Design I (3)
- TH 386 Sound Design (3)

**DESIGN/TECHNOLOGY OPTION (39 Hours)**

- TH 265 Drawing for the Theatre I (3)
- TH 266 Drawing for the Theatre II (3)

- TH 331 Stagecraft II (3)
- TH 350 Stage Lighting I (3)
- TH 351 Costume Design I (3)
- TH 361 Scene Painting (3)
- TH 371 Scenic Design I (3)
- TH 386 Sound Design (3)
- TH 395 Period & Style (3)
- TH 450 Stage Lighting II (3)
- TH 451 Costume Design II (3)
- TH 471 Scenic Design II (3)

**Choose 3 hours:**

- AR 100 Drawing I (2)
- AR 104 Design Foundations (3)
- AR 201 Color Composition (3)
- AR 202 Drawing II: Human Figure (3)

**MUSICAL THEATRE OPTION (40 Hours)**

- DA 211 Ballet I (2)
- MM 105 Aural Skills I (1)
- MU 151 Functional Piano I (1)
- TH 122 Class Voice for Musical Theatre (3)
- TH 218 Acting I (3)
- TH 219 Auditioning (1)
- TH 222 Class Voice for Musical Theatre II (3)
- TH 316 Acting II (6)
- TH 318 Musical Theatre Performance I (3)
- TH 322 Class Voice for Musical Theatre III (6)
- TH 418 Musical Theatre Performance II (3)

**Choose 8 Hours from (4 hours must be 300-400 level):**

- DA 211 Ballet I (2) (required)
- DA 221 Modern Dance (2)
- DA 226 Jazz Dance I (2)
- DA 236 Tap Dance I (2)
- DA 282 Movement Improv (3)
- DA 311 Ballet II (2)
- DA 321 Modern Dance II (2)
- DA 326 Jazz Dance II (2)
- DA 336 Tap Dance II (2)
- DA 411 Ballet III (2)
- DA 421 Modern Dance III (2)
- DA 426 Jazz Dance III (2)
- DA 436 Tap Dance III (2)

**Additional Requirements:**

- MM 101 Theories/Music in Culture (3)
- UI 384 History of the Musical (3)

**OR**

- UI 433 Aesthetics of Movement (3)

**BACHELOR OF GENERAL STUDIES DEGREE**

Allows individual structuring of a degree program without requiring major or minor fields; University Studies requirements must be completed. In addition to completing this program through traditional face-to-face courses, the Bachelor of General Studies degree may also be completed through the Southeast regional campuses or Southeast Online.

**Minimum Degree Requirements 120 Hours**  
**University Studies Requirements 51 Hours**  
**300-500 Level Courses Required 39 Hours**

**BACHELOR OF SCIENCE DEGREE**

Primarily for students entering various scientific fields. The areas from which majors must be chosen are:

Agribusiness

- Options: Agriculture Industry
- Animal Science
- Horticulture
- Plant & Soil Science

Athletic Training

Biology

- Options: Biomedical Sciences
- Marine Biology
- Microbiology, Cellular & Molecular Biology & Biotechnology
- Organismal, Ecological, & Evolutionary Biology
- Pre-Physician Assistant
- Wildlife and Conservation Biology

Chemistry

- Options: Chemistry
- Biochemistry
- DNA Analysis
- Forensic Chemistry

Commercial Photography

Communication Disorders

Computer Information Systems

Computer Science

Corporate Communication

Criminal Justice

- Options: Corrections

Criminology

Law Enforcement

Cybersecurity

Economics

Engineering Physics  
Options: Computer Applications  
Electrical Applications  
Mechanical Applications

Engineering Technology  
Options: Electrical & Control  
Mechanical & Manufacturing  
Systems

Environmental Science

Health Management  
Options: Exercise Science  
Health Promotion

Historic Preservation

Hospitality Management

Human Environmental Studies  
Options: Child Development  
Dietetics  
Family Studies  
Fashion Merchandising  
Interior Design

Interdisciplinary Studies

Mass Communication  
Options: Advertising  
Multimedia Journalism  
Public Relations  
Television & Film

Mathematics:  
Options: Pure Mathematics  
Applied Mathematics & Statistics

Medical Technology

Physics

Political Science

Psychology

Recreation

Social Work

Sport Management

Technology Management  
Options: Computer & Multimedia Graphics  
Construction Management and  
Design  
Facilities Management &  
Sustainability  
Industrial Management  
Sustainable Energy Systems  
Management  
Technology Management  
Telecommunication & Computer  
Networking

**AGRIBUSINESS****73-76 Hour Major - No Minor Required  
Required Courses:**

AC 221 Principles of Accounting I (3)  
AD 101 Intro to Microcomp Appl (3)  
AG 245 Agricultural Economics (3)  
AG 250 Agribusiness Management (3)  
AG 334 Agribusiness Finance (3)  
AG 355 Agriculture Seminar (1)  
AG 433 Agriculture & Food Policy (3)  
AG 447 Mktg of Agri Products (3)  
AG 465 Agriculture Internship (3-6)

**OR**

AG 469 Undergrad Research (3)  
AG 470 Agribusiness Sales (3)  
AO 120 Plant Science (3)  
AO 125 Plant Science Lab (1)  
AO 321 Cotton & Rice Culture (3)  
AY 101 Animal Science (3)  
HO 110 Intro to Horticulture (3)  
UI 436 Agricultural Ethics (3)

**Additional Requirements (8 hours):**

CH 181 Basic Princ of Chemistry (5)

**OR**

CH 185 General Chemistry (5)  
MA 134 College Algebra (3)

**Choose One of the Following Options (30 Hours):****AGRICULTURE INDUSTRY**

**30 hours by advisement based on student plans/  
background, selected from AG, AO, AY, HO prefix  
courses or may include AAS Agriculture degree  
courses transferred to Southeast.**

**ANIMAL SCIENCE**

AY 105 Animal Science Experience (2)  
AY 304 Princ of Animal Nutrition (3)  
AY 350 Animal Reproduction (3)  
AY 360 Animal Immun & Diseases (3)

**Choose 21 hours from:**

AG 371 Topics in Agriculture (2)  
AO 301 Forages (3)  
AY 200 Companion Animals (3)  
AY 205 Horse Science (3)  
AY 220 Animal Handling (1)  
AY 300 Domestic Animal A&P (3)  
AY 305 Advanced Horse Science (3)  
AY 375 Animal Breed Improvement (3)  
AY 405 Beef Production (3)  
AY 440 Adv Beef Production (3)

**HORTICULTURE**

AO 215 Soils (3)  
AO 260 Integrated Pest Mgmt (3)

- AO 323 Plant Pathology (3)
- AO 401 Agri & Natl Resource Mgmt (3)
- AO 480 Crop Production (3)
- HO 130 Plant ID & Use I (3)
- HO 230 Plant ID & Use II (3)

**Choose 15 Hours From:**

- AG 551 Water Management (3)
- HO 310 Alternative Agriculture (3)
- HO 320 Nursery Admin & Culture (3)
- HO 321 Adv Plant Propagation (3)
- HO 330 Landscape Design & Maint (3)
- HO 342 Prod of Horticulture Crops (3)
- HO 350 Greenhouse Mgt (4)
- HO 355 Interior Plantscaping (3)
- HO 430 Turfgrass Management (3)
- HO 431 Landscape Inst/Maint (3)
- HO 445 Compost/Utilzn in Hort Systems (3)
- HO 450 Vineyard Operations (3)
- HO 464 Advanced Horticulture (3)

**PLANT AND SOIL SCIENCE**

- AG 440 Precision Agriculture (3)
- AO 215 Soils (3)
- AO 260 Integrated Pest Mgmt (3)
- AO 323 Plant Pathology (3)
- AO 327 Sustainable Agriculture (3)
- AO 401 Ag & Natural Resource Mgmt (3)
- AO 420 Crop Physiology (3)
- AO 427 Soil Fertility & Plant Nutrtn (3)
- AO 444 Prin of Plant Breeding (3)
- AO 480 Crop Production (3)
- AY 105 Animal Science Experience (2)

**ATHLETIC TRAINING**

**71 Hour Major - No Minor Required**

*(See Admission to Athletic Training criteria under Admissions, page 10.)*

**Required Courses:**

- FN 235 Nutrition for Health (3)
- FN 401 Sports Nutrition (3)
- HL 111 Intro to Health Management (3)
- HL 120 Health Perspectives (3)
- HL 231 Fitness Conditioning (3)
- HL 251 Intro to Athletic Injuries (3)
- HL 263 Sports Injury Management (3)
- HL 265 Therapeutic Modalities (3)
- HL 280 Basic Skills in Athletic Training (1)
- HL 281 Practicum in Athletic Training I (1)
- HL 282 Practicum in Athletic Training II (1)
- HL 303 Research Methods (3)
- HL 312 Sport and Exercise Pharmacology (3)
- HL 321 Advanced Injury Assessment I (3)

- HL 322 Advanced Injury Assessment II (3)
- HL 323 Advanced Injury Assessment III (3)
- HL 331/031 Exercise Physiology (3)
- HL 345 Resistance Training Principles and Practices (3)
- HL 382 Medical Aspects of Sport (3)
- HL 383 Practicum in Athletic Training III (1)
- HL 384 Practicum in Athletic Training IV (1)
- HL 444 Rehab of Sports Injuries (3)
- HL 472 Admin of Athletic Training (3)
- HL 480 Seminar in Athletic Training (2)
- HL 481 Practicum in Athletic Training (1)
- HL 499 Athletic Training Internship (6)
- HL 511 Applied Anatomy (3)

**Additional Requirements: 20 Hours**

- BS 113/013 Anatomy & Physiology I (4)
- BS 114/014 Anatomy & Physiology II (4)
- CH 180 Chemistry in Our World (3)\*
- EN 140 Rhet & Critical Thinking (3)
- MA 134 College Algebra (3)\*
- PY 101 Psych Perspect/Human Behav (3)

**\*Higher level course is acceptable**

**BIOLOGY**

**47 hour Major - No minor required**

**Required Courses:**

- BI 151 Biological Reasoning (3)
- BI 152 Intro to Scientific Investigation (1)
- BI 153 Intro to Organismal Biology (4)
- BI 154 Genetics and Cell Biology (4)
- BI 471-473 Internship in Biology (2)

**OR**

- BI 551/553 Biology Field Studies (2)

**OR**

- BI 589-591 Biological Research (2)
- BI 489 Analysis of Biological Issues (2)
- CH 185/085/005 General Chemistry (5)
- MA 134 College Algebra (3)

**Choose One of the Following Options**

**BIOMEDICAL SCIENCES**

- BI 381 Molecular Genetics (3)
- ZO 331 Animal Physiology (3)

**Any BI, BO, ZO, BT courses, at least 10 credits 300 level and above (17)**

**Additional Requirements: 23-25**

Any additional Math course not in University Studies (3-5)

- CH 186 Found of Inorganic Chem (3)
- CH 187 Inorg Chem & Qual Analysis (2)
- CH 341 Found of Organic Chem (4)
- CH 342 Organic Chem Lab I (1)

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PH 120 Introductory Physics I (5)  
PH 121 Introductory Physics II (5)

### **MARINE BIOLOGY**

BI 332 General Ecology (3)  
BI 348 Marine Biology (3)  
BI 434 Marine Evolutionary Ecology (3)  
ZO 200 Animal Biology (3)  
ZO 430 Invertebrate Zoology (4)

### **Choose one of the following:**

BI 200 Microbiology (3)  
BO 200 Plant Biology (4)

### **Choose 5-6 hours of electives\*:**

BI/BO/BT/ZOxxx 300 level or above  
BI 540/541 Marine Microbiology (5)  
BI 573-578 Special Topics (1-6)  
BI 593-598 Special Problems (1-6)  
BO 500/505 Marine Phycology (4)  
BO 561/562 Salt Marsh Plant Ecology (4)  
BO 563/564 Coastal Vegetation (3)  
ZO 510/511 Comp Histology/Marine Org (6)  
ZO 540/541 Parasites/Marine Mammals (6)  
ZO 552/553 Marine Fisheries Mgmt (4)  
ZO 554/555 Marine Aquaculture (6)  
ZO 559/560 Marine Mammals (5)  
ZO 563/566 Fauna/Faunistic Ecol/Tidal Marshes (5)  
ZO 564/574 Marine Ichthyology (6)  
ZO 565/567 Early Life History of Marine Fishes (4)

### **Non-Biology Requirements:**

PH 120 Introductory Physics I (5)  
CH 186 Found of Inorganic Chem (3)  
CH 187 Inorganic Chem & Qual Analysis Lab (2)  
CH 341 Found of Organic Chem (4)  
CH 342 Organic Chem Lab I (1)  
GO 320 Oceanography (3)

### **One additional math course not in University Studies (3)**

*\*A minimum of 3 hours must be taken from the Gulf Coast Research Laboratory or comparable institution or the equivalents listed. Microbiology, Cellular and Molecular Biology, and Biotechnology*

BI 200 General Microbiology (3)  
BI 245 Lab Methods in Biotechnology (3)  
BI 381 Molecular Genetics (3)

### **Choose 6 hours from this list:**

BI 404 Cell Biology (3)  
BI 414 Prob. in Cell & Molecular Biology (3)  
BI 441 Virology (3)  
BI 442 Immunology (3)  
BI 443 Epidemiology (3)  
BI 445 Microbial Physiology (3)  
BI/BT 450 Inv. Molecular Biology & Biotechnology (3)

BI 460 Intro. to Toxicology (3)  
BI 543 Pathogenic Microbiology (2)  
BI 544 Pathogenic Microbiology Lab (1)  
BO 445 Plant Physiology (3)  
ZO 331 Animal Physiology (3)  
ZO 414 Developmental Biology (3)  
ZO 441 Parasitology (3)

### **Any BI, BO, ZO, BT courses, 300 level and above (8)**

### **Additional Requirements: 16-18 Hours**

### **Any additional Math course not in University Studies (3-5)**

CH 186 Found of Inorganic Chem (3)  
CH 187 Inorganic Chem & Qual Analysis Lab (2)  
CH 341 Found of Organic Chem (4)  
CH 342 Organic Chem Lab I (1)  
UI 331 Found of Biochemistry (3)

### **Organismal, Ecological, and Evolutionary Biology**

BI 300 Intro to Evolutionary Biology (3)  
BI 332 General Ecology (3)  
BO 200 Plant Biology (4)  
ZO 200 Animal Biology (3)

### **Any BI, BO, ZO, BT courses, 300 level and above (10)**

### **Additional Requirements: 6-8 Hours**

### **UI 373 Earth/Life Through Time (3)**

MA 139 Applied Calculus (3)

### **OR**

MA 140 Calculus (5)

### **OR**

MA 223 Probability and Statistics (3)

### **PRE-PHYSICIAN ASSISTANT**

BI 381 Molecular Genetics (3)  
BS 113/013 Anat & Phys I (4)  
BS 114/014 Anat & Phys II (4)  
BI/BO/BT/ZO prefix or BS 240 with at least 8 hours at the 300 level (12)

### **Additional Requirements: 30 hours**

CH 186 Found of Inorganic Chem (3)  
CH 187 Inorg & Qual Analys Lab (2)  
CH 341 Found of Org Chem (3)  
HL 113 Medical Terminology (3)  
MA 155 Statistical Reasoning (3)

### **OR**

MA 223 Elem Prob & Stats (3)

### **OR**

PY 271 Res Design & Analys (3)  
PH 120/02 Intro Physics I (5)  
PH 121/021 Intro Physic II (5)  
PY 101 Psych Persp on Hum Behv (3)

### **OR**

PY 102 Intro to Psychology (3)  
PY 220 Psych Dev Across/Lifespan (3)

**Wildlife and Conservation**

- BI 332 General Ecology (3)
- BO 200 Plant Biology (4)
- ZO 200 Animal Biology (3)

**Choose two of the following:**

- BI 420 Management of Wildlife Populations (3)
- BI 430 Management of Wildlife Habitat (3)
- BI 435 Conservation Biology (3)
- BI 440 Wetland Ecology and Management (3)

**Biology Electives – choose 7 hours:**

- BI 420 Management of Wildlife Populations (3)
- BI 430 Management of Wildlife Habitat (3)
- BI 432 Advanced Ecology (3)
- BI 435 Conservation Biology (3)
- BI 440 Ecology and Management of Wetlands (3)
- BI 452 Freshwater Ecology (3)
- BI 469 Wildlife Toxicology (3)
- BI 471-473 Internship (1-3)
- BI 493 Readings in Biology (2)
- BI 551/553 Biology Field Studies (1/3)
- BI 589-591 Biological Research (1-3)
- BO 361 Systematic Botany (3)
- BO 420 Ethnobotany (3)
- BO 445 Plant Physiology (3)
- BO 461 Native Aquatic Plants (3)
- BO 469 Field Botany (3)
- ZO 420 Animal Behavior (3)
- ZO 441 Parasitology (3)
- ZO 459 Mammalogy (3)
- ZO 460 Herpetology (3)
- ZO 465 Entomology (3)
- ZO 466 Ornithology (3)
- ZO 469 Vertebrate Adaptations (3)
- ZO 478 Ichthyology (3)

**Additional Requirements: 6-8 Hours**

- GO 110 Physical Geology (3)
- MA 139 Applied Calculus (3)

**OR**

- MA 140 Calculus (5)

**OR**

- MA 223 Elementary Probability and Statistics (3)

**CHEMISTRY**

**34 Hour Major-No Minor Required  
Required Core Courses**

- CH 185 General Chemistry (5)
- CH 186 Found of Inorganic Chem (3)
- CH 187 Inorg Chem & Qual Analysis (2)
- CH 271 Found of Analy Chem (5)

- CH 311 Found of Physical Chem (4)
- CH 313 Physical Chemistry Laboratory (3)
- CH 341 Found of Organic Chem (4)
- CH 342 Organic Chemistry Lab I (1)
- CH 498 Professional Presentation in Chemistry (1)
- CH 531/UI 331 Found of Biochemistry (3)
- UI 443 Professional Experience in Chemistry (3)

**Additional Requirements: 19 hours**

- MA 140 Analytical Geometry and Calculus I (5)
- MA 145 Analytical Geometry and Calculus II (4)
- PH 120 Introductory Physics I (5)

**AND**

- PH 121 Introductory Physics II (5)

**OR**

- PH 230 General Physics I (5)

**AND**

- PH 231 General Physics II (5)

**Choose One Of The Following Options:**

**CHEMISTRY**

- CH 312 Adv Physical Chem (3)
- CH 343 Adv Organic Chem (3)
- CH 344 Organic Chem Lab II (2)

**Additional Requirements:**

**Choose one seven to eight hour track:**

**Track A:**

**Required Course:**

- CH 39x Undergrad Research (4)

**Choose Four Hours From:**

- CH 532/533 Adv Biochemistry/Biochem Lab (4)
- CH 563 Adv Inorganic Chem (4)
- CH 575 Chem Instrumentation (4)

**Track B:**

**Two of the following to include a minimum of 3 hours of lab work:**

- CH 420 Forensic Chem (4)
- CH 447 Adv 1&2 Dim NMR Tech (3)
- CH 450 Environ Chemistry (3)
- CH 532/533 Adv Biochemistry/Biochem Lab (4)
- CH 545 Organic Preps & Characterization (3)
- CH 563 Adv Inorganic Chemistry (4)
- CH 575 Chem Instrumentation (4)

**BIOCHEMISTRY**

- CH 312 Adv Physical Chem (3)
- CH 343 Adv Organic Chem (3)
- CH 344 Organic Chem Lab II (2)
- CH 532 Advanced Biochemistry (2)
- CH 533 Biochemistry Laboratory (2)
- BI 154 Genetics & Cellular Biology (4)
- BI 200 General Microbiology (3)
- BI 381 Genetics (3)
- BI 404 Cell Biology (3)



**DNA ANALYSIS OPTION – no minor required**

BI 154	Genetics & Cellular Biology (4)
BI 200	General Microbiology (3)
BI 245	Lab Methods in Biotechnology (3)
BI 381	Genetics (3)
BI 450	Molecular Biology (3)
CH 312	Adv Physical Chem (3)
CH 420	Forensic Chemistry (4)
CH 533	Biochemistry Lab (2)
MA 423	Stat Analysis for Forensic Sci (3)

**FORENSIC CHEMISTRY**

CH 343	Adv Organic Chem (3)
CH 533	Biochemistry Lab (2)
CH 420	Forensic Chemistry (4)
CH 575	Chemical Instrumentation (4)
CJ 350	Criminalistics (3)
MA 423	Statistical Analysis for Forensic Science (3)
EV 460	Introduction to Toxicology (3)
FS 550	Crime Lab I: Microscopy (2)
FS 552	Crime Lab II: Blood & Fluids (2)

**COMMERCIAL PHOTOGRAPHY****75 Hour Major – No Minor Required****Required Courses:**

AR 104	Design Foundations (3)
AR 201	Color Composition (3)
AR 324	Digital Art Photo (3)
BA 361	Prin of Entrepreneurship (3)
BA 561	Entrepreneurship Plan & Strat (3)

**OR**

MK 343	Advertising & Promotion (3)
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**OR**

MK 555	Internet Marketing (3)
CH 180	Chemistry in Our World (3)
GM 180	Intro to Technical Graphics (3)
GM 200	Vector/Bitmap Graph for Indus (3)
GM 282	Vector Graphics (3)
GM 320	Graphic User Interface Design (3)

**OR**

GM 385	HD Video for Multimedia (3)
GM 490	Adv Graphics Projects (3)
MA 133	Plane Trigonometry (3)

**OR**

MA 223	Elementary Stats (3)
MA 134	College Algebra (3)
MC 101	Mass Comm & Society (3)
MC 201	Writing for Mass Media (3)
MC 310	Advertising Comm Strat (3)
MC 312	Advertising Creative Conc (3)
MK 301	Principles of Marketing (3)
PG 284	Photo Fundamentals (3)

PG 285	Comm Photo Lighting (3)
PG 286	Comm Studio Photo (3)
PG 300	Adv Lighting Tech (3)
PG 325	Pract of Comm Photo (3)
PG 384	Comm Photo I (3)
PG 484	Comm Photo II (3)

**COMMUNICATION DISORDERS****35 Hour Major - Minor Required**

*(See Admission to Communication Disorders Program criteria under Admissions, page 17)*

**Required Courses:**

CD 211	Anat & Physiology/Speech Mechanism (4)
CD 225	Phonetics (3)
CD 230	Intro to Communication Disorders (4)
CD 340	Normal Speech/Language Development (3)
CD 371	Anat & Physiology/Hearing Mechanism (3)
CD 402	Clinical Practicum/Comm Disorders (3)
CD 406	Service Delivery in Comm Disorders (4)
CD 411	Nature Assmt/Intervention Speech/ Language Disorders (5)
CD 426	Hearing Disorders: Audiological Assmt (3)

**Choose one of the following:**

CD 510	Multicultural Issues in Comm Disorders (3)
CD 525	Aural Rehabilitation (3)
CD 541	Fluency Disorders (3)

**Additional Requirements:**

BS 103	Human Biology (3)
EN 140	Rhetoric & Critical Thinking (3)
MA 134	College Algebra (3)
PS 103	U.S. Political Systems (3)
PY 101	Psych Perspectives/Hum Behr (3)

**OR**

PY 102	Intro to Psychology (3)
SC 105	Fund of Oral Communication (3)
US 105	American History I (3)

**OR**

US 107	American History II (3)
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**Choose One of the Following:**

MA xxx	Additional Math course (above MA 134) (2-3)
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**OR**

PY 271	Research Design & Analysis (3)
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**OR**

PY 572	Intro Behavioral Stats (3)
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**OR**

MA 155	Statistical Reasoning (3)
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**Choose One of the Following:**

CH 180	Chemistry in Our World (3)
PH 106	Physical Concepts (3)

**Choose One of the Following:**

CD 110	Language Culture of Deaf (3)
SO 102	Society, Culture & Social Behavior (3)

**NOTE:** State and national certification in speech-language pathology (American Speech-Language-Hearing Association and Missouri Department of Elementary and Secondary Education) requires that applicants complete a core of courses in the humanities, professional education, biological/physical sciences, mathematics, behavioral and social sciences. Students should work closely with a departmental advisor in selecting appropriate University Studies and professional education courses which meet these certification requirements.

- CS 315 C & the Unix Environment (3)
- CS 480 Data Communications (3)

**Track 4 – No Minor Required**

- CS 155 Computer Science I (4)
- CS 265 Computer Science II (4)
- CS 300 Computer Science III (4)
- CS 315 C & the Unix Environment (3)
- IS 360 Mobile Application Development (3)
- xx xxx Chosen with direction of Computer Science Dept (15)

**COMPUTER INFORMATION SYSTEMS**

**58-61 Hour Major - Minor Required for Certain Tracks**

**Required Courses:**

- CS 003 Computer Info Systems Assmnt (0)
- CS 245 Discrete Structures I (3)
- CS 495 Senior Seminar (1)
- IS 130 Visual Basic Programming I (3)
- IS 175 Information Systems I (3)
- IS 245 Web Devlp & Security (3)
- IS 275 Information Systems II (3)
- IS 320 Human Computer Interaction (3)
- IS 330 Application Development II (3)
- IS 340 Information Technology (3)
- IS 375 Database & Info Systems (3)
- IS 445 Systems Analysis & Design (3)
- IS 448 IS/IT Project Management (3)
- IS 575 IS/IT Strategy & Management (3)
- IU 309 Prof Writing for Science/Technology (3)
- MA 139 Applied Calculus (3)
- MA 223 Probability & Statistics (3)
- UI 450 Capstone Experience (3)

**Choose One Track:**

**Track 1 – Choose Business Administration minor**

- AC 330 Accounting Info Systems (3)
- IS 360 Mobile Application Development (3)
- IS 440 Web Design for Elec Commerce (3)
- IS 465 Mgmt Support Systems (3)
- MK 555 Internet Marketing (3)

**Track 2 – Choose Graphics Communication Technology minor**

- AR 104 Design Foundations (3)
- AR 323 Art & New Technology (3)
- IS 360 Mobile Application Development (3)
- IS 440 Web Design for Elec Commerce (3)
- IS 465 Mgmt Support Systems (3)

**Track 3 – Choose Computer Networking minor**

- CS 155 Computer Science I (4)
- CS 265 Computer Science II (4)
- CS 300 Computer Science III (4)

**COMPUTER SCIENCE**

**82 Hour Major - No Minor Required Required Courses:**

- CS 003 Computer Science Assessment (0)
- CS 155 Computer Science I (4)
- CS 245 Discrete Structures I (3)
- CS 265 Computer Science II (4)
- CS 280 Computer Systems (3)
- CS 300 Computer Science III (4)
- CS 315 C & the Unix Environment (3)
- CS 331 Applications Programming (3)
- CS 345 Discrete Structures II (3)
- CS 350 Analysis of Algorithms (3)
- CS 380 Operating Systems (3)
- CS 390 Programming Languages (3)
- CS 440 Database (3)
- CS 445 Software Engineering I (3)
- CS 480 Data Communications (3)
- CS 495 Senior Seminar (1)
- IU 309 Prof Writing for Science/Technology (3)
- MA 140 Analytic Geometry & Calculus I (5)
- MA 145 Analytic Geometry & Calculus II (4)
- MA 223 Probability & Statistics (3)
- MA 345 Linear Algebra (3)
- UI 450 Capstone Experience (3)

**Choose 3 hours CS prefix courses (300-500 level)**

**Choose 12 hours of science suitable for science majors, including a two-course sequence with a lab component in both courses. Choose from Biology, Chemistry, Geoscience, or Physics/Engineering Physics. Consult with advisor for approved sequences.**

**CORPORATE COMMUNICATION**

**48 Hour Major – Minor Required**

**Required Courses:**

- SC 001 Exit Interview (0)
- MG 301 Principles of Management (3)

- MK 301 Principles of Marketing (3)  
 MK 341 Public Relations (3)  
 SC 105 Fund of Oral Comm (3)  
**OR**  
 SC 155 Fund of Interpersonal Comm (3)  
 SC 330 Corporate & Professional Comm (3)  
 SC 335 Interviewing (3)  
 SC 483 Internship in Speech Comm (3)

- OR**  
 SC 496 Practicum in Corporate Comm (3)  
 SC 560 Organizational Comm (3)  
 UI 301 Managerial Communication (3)

**Choose 9 hours from:**

- SC 215 Intercultural Communication (3)  
 SC 310 Speech Writing (3)  
 SC 314 Argumentation & Problem Solving (3)  
 SC 320 Group Comm & Decision-Making (3)  
 SC 355 Relational Comm Strategies (3)  
 SC 406 Negotiation & Conflict Mgmt (3)  
 SC 463 Independent Study (3)  
 SC 510 Leadership and Team Building (3)  
 UI 345 Nonverbal Communication (3)  
 UI 425 Persuasion (3)

**Choose 6 hours from the following:**

- MK 342 Professional Selling (3)  
 MK 343 Advertising & Promotion (3)  
 MK 344 Consumer Behavior (3)  
 MK 345 Intro to Business Research (3)  
 MK 349 Retail Management (3)  
 MK 447 Sales Management (3)  
 MK 560 International Marketing (3)

**Choose 6 hours from the following:**

- MG 362 Management Skills (3)  
 MG 470 Leadership in Management (3)  
 MG 550 Improving Team Performance (3)  
 MG 560 International Management (3)

**CRIMINAL JUSTICE****45-54 Hour Major – No Minor Required****Required Courses:**

- CJ 100 Intro to Criminal Justice (3)  
 CJ 110 Intro to Law Enforcement (3)  
 CJ 125 Intro to Corrections (3)  
 CJ 220 Criminal Law (3)  
 CJ 370 Juvenile Justice (3)  
 CJ 400 Crisis Mgmt & Conflict Resol (3)  
 CJ 425 Planning/Resrch in Crim Justice (3)  
 CJ 499 Issues in Justice Admin (3)  
 SO 242 Statistics for Soc Scientists (3)  
 SO 305 Race, Gender, Class & Crime (3)

**Choose One 15-24 Hour Option:****CORRECTIONS**

- CJ 230 Correctional Institutions (3)  
 CJ 355 Constitutional Rights of Inmates (3)  
 CJ 365 Community-Based Corrections (3)  
 CJ 440 Theories/Methods of Offender Rehab (3)  
 CJ xxx CJ Course (300-500 level) (3)

**CRIMINOLOGY**

- CJ 375 Criminal Typology/Victimology (3)  
 SO 300 Organized/White-Collar Crime (3)  
 SO 360 Criminology (3)  
 SO 444 Deviant Social Behavior (3)  
 SO/CJ xxx SO or CJ course (300-500 level) (3)

**LAW ENFORCEMENT – choose one track:****Theoretical Track**

- CJ 310 Advanced Police Administration (3)  
 CJ 330 Criminal Investigations (3)  
 CJ 422 Criminal Procedure (3)  
 CJ 430 Policing/Information Age (3)  
 CJ xxx CJ Course (300-500 level) (3)

**Practical Track**

- LE 199 Basic LEA I (6)  
 LE 299 Basic LEA II (6)  
 LE 399 Basic LEA III (6)  
 LE 499 Basic LEA IV (6)

**CYBERSECURITY****88 Hour Major – No Minor Required**

- CS 155 Computer Science I (4)  
 CS 265 Computer Science II (4)  
 CS 315 C & the UNIX Environ (3)  
 CY 201 Introduction to Cybersecurity (3)  
 CY 310 Info Security & Assurance (3)  
 CY 320 Info Security in System Admin (3)  
 CY 410 Web Application Security (3)  
 CY 420 Computer Forensics (3)  
 ET 245 Logic Circuits (3)  
 ET 366 Microcontrollers (3)  
 IM 102 Technical Communications (3)  
 IS 245 Web Development & Security (3)  
 IS 375 Database & Info Systems (3)  
 MA 133 Plane Trigonometry (3)  
 MA 134 College Algebra (3)  
 MA 223 Elementary Probability & Statistics (3)  
 MA 464 Mathematical Cryptography (3)  
 MN 220 Eng Economic Analysis (3)  
 PH 120 Introductory Physics I (5)  
 SW 207 Understanding Cult & Soc Diversity (3)  
 TN 254 Network Communications (3)  
 TN 255 Microcomputer Maintenance (3)

- TN 275 Network Fundamentals (3)
- TN 375 Network Routing Protocol & Concepts (3)
- TN 395 Server Maintenance and Troubleshooting (3)
- TN 425 Wireless Comm & Mobile Data Networks (3)
- TN 435 Network Security (3)
- UI 410 Manf Research in a Global Society (3)

**ECONOMICS**

**28 Hour Major - Minor Required**

**Required Courses:**

- EC 215 Principles of Microeconomics (3)
- EC 225 Principles of Macroeconomics (3)
- EC 410 Macroeconomic Theory (3)
- EC 420 Microeconomic Theory (3)
- EC 498 Senior Seminar (1)

**Any 3 hour college-level statistics course**

**Choose 12 Hours From:**

- EC xxx EC course (235-500 level)
- UI 322 International Political Economy (3)
- UI 349 Comparative Economic Systems (3)
- UI 366 Law and Economics (3)
- UI 371 Government and Business (3)

**NOTE:** No more than 6 hours of UI courses may be selected.

**ENGINEERING PHYSICS**

**Accredited by the Engineering Accreditation Commission of ABET, <http://www.abet.org>**

**60-62 Hour Major - No Minor Required**

**Required Courses:**

- EP 100 Physics & Engineering Concepts (1)
- EP 240 Circuit Analysis (4)
- EP 261 Engineering Mech: Statics (3)
- EP 262 Engineering Mech: Dynamics (3)

**OR**

- PH 370 Mechanics (3)
- EP 340 Electronic Circuits (4)
- EP 372 Signals and Systems (3)
- EP 380 Engineering Design & Research (1)
- EP 480 Capstone Design I (1)
- PH 230/030 General Physics I (5)
- PH 231/031 General Physics II (5)
- PH 360 Modern Physics (3)
- PH 371 Electromagnetics (3)
- UI 330 Experimental Methods I (3)
- UI 450 Capstone Experience (3)

**Additional Requirements: 31 Hours**

- CH 185/085/005 General Chemistry (5)
- CS 177 Prog for Scientists & Engr (3)
- MA 140 Analytic Geometry & Calculus I (5)

- MA 145 Analytic Geometry & Calculus II (4)
- MA 240 Analytic Geometry & Calculus III (3)
- MA 245 Vector Calculus (2)
- MA 345 Linear Algebra (3)
- MA 350 Differential Equations (3)
- MN 120 Fund of Engr Design Processes (3)

**Choose One Option:**

**COMPUTER APPLICATIONS (20 HOURS)**

- CS 155 Computer Science I (4)
- CS 265 Computer Science II (4)
- CS 315 C & the Unix Environment (3)
- EP 305 Digital & Analog System Design (3)
- EP 310 Microcomputer Interfacing (3)
- EP 461 Computer Applications (3)

**ELECTRICAL APPLICATIONS (18 HOURS)**

- EP 305 Digital & Analog System Design (3)
- EP 310 Microcomputer Interfacing (3)
- EP 361 Thermal Analysis (3)
- EP 374 Control Systems (3)
- EP 462 Material Science (3)
- PH 341 Optics (3)

**MECHANICAL APPLICATIONS (19 HOURS)**

- EP 263 Mechanics of Materials (4)
- EP 361 Thermal Analysis (3)
- EP 363 Thermal Fluid Engr (3)
- EP 374 Control Systems (3)
- EP 462 Material Science (3)
- MN 350 Machine Design (3)

**ENGINEERING TECHNOLOGY**

**101 Hour Major - No Minor Required**

- CH 181 Basic Principles of Chemistry (5)
- ET 304 Intro to PLCs (3)
- IM 102 Technical Communications (3)
- IM 301 Industrial Safety Supervision (3)
- IM 311 Statistical Process Control (3)
- MA 133 Trigonometry (3)
- MA 134 College Algebra (3)
- MA 140 Analytic Geometry & Calculus I (5)
- MA 144 Integral Calculus & Differential Equations (5)
- MN 220 Engineering Economic Analysis (3)
- MN 260 Techncl Computer Programng Appl (3)
- MN 356 Robotic Fundamentals (3)
- MN 383 Fluid Power (3)
- MN 412 Advanced Manufacturing Systems (3)
- MN 416 Manufacturing Seminar (1)
- PH 120 Introductory Physics I (5)
- PH 121 Introductory Physics II (5)
- SW 207 Understanding Cult & Social Div (3)
- UI 319 Science, Tech, & Society (3)
- UI 410 Manufacturing Research (3)

**Choose One 33 Hour Option:****ELECTRICAL AND CONTROL:**

- ET 162 DC Principles & Circuits (3)  
 ET 164 AC Principles & Circuits (3)  
 ET 245 Logic Circuits (3)  
 ET 260 Electronic Circ Design/Analysis I (3)  
 ET 365 Industrial Electrical Power (3)  
 ET 366 Microcontrollers (3)  
 ET 367 Motor Control and Drive Systems (3)  
 ET 374 Industrial Electronics (3)  
 ET 468 Industrial Control (3)  
 ET 470 Energy Management (3)  
 TN 254 Fiber Optics/Network Comm (3)

**OR**

- TN 255 Microcomputer Maint (3)

**MECHANICAL & MANUFACTURING SYSTEMS:**

- ET 160 Basic Electricity & Electronics (3)  
 MN 120 Fund of Engr Design Processes (3)  
 MN 170 Industrial Materials & Testing (3)  
 MN 203 Industrial Materials & Processes I (3)  
 MN 219 Statics & Strength of Materials (3)  
 MN 221 Solid Modeling & Rapid Prototyping (3)  
 MN 304 Industrial Materials & Processes II (3)  
 MN 324 Mechanical Design Processes (3)  
 MN 350 Machine Design (3)  
 MN 354 Computer Aided Manufacturing (CAM) (3)  
 MN 402 Plastics & Processes (3)

**ENVIRONMENTAL SCIENCE****79-93 Hour Major - No Minor Required****Required Courses:**

- BI 153 Intro to Organismal Bio (4)  
 BI 332 General Ecology (3)  
 BS 105 Environmental Biology (3)  
 CH 185 General Chemistry (5)  
 CH 186 Found of Inorganic Chem (3)  
 EC 344 Environmental Economics (3)  
 EV 201 Environmental Science Seminar I (1)  
 EV 401 Environmental Science Seminar II (1)  
 EV 454 Risk Assessment Applications (3)  
 EV 481-483 Internship (3)

**OR**

- EV 491-493 Research (3)  
 EV xxx EV Course (300-500 level) (3)  
 GO 110 Physical Geology (3)  
 GO 365 Environmental Soil Science (3)  
 GO 460 Environmental Hydrology (3)  
 MA 139 Applied Calculus (3)

**OR**

- MA 140 Analytical Geometry & Calculus I (5)  
 MA 223 Elementary Probability & Statistics (3)

- PH 106 Physical Concepts (3)

**OR**

- PH 120 Introductory Physics I (5)  
 UI 429 Environmental Ethics (3)

**Choose 6 Hours From:**

- UI 331 Found of Biochemistry (3)  
 UI 360 Recycling & Waste Management (3)  
 UI 373 Earth/Life Through Time (3)  
 UI 386 Environmental Health (3)\*  
 UI 387 Environmental Law & Public Policy (3)\*\*

*\*Required for Environmental Health and Policy & Communication Options*

*\*\*Required for Policy & Communication Option*

**Choose One Option:****BIOLOGY (28-29 Hours)**

- BI 151 Biological Reasoning (3)  
 BI 152 Intro to Scientific Investigation (1)

**Choose 2 Courses From:**

- BI 200 Microbiology (3)  
 BO 200 Plant Biology (4)  
 ZO 200 Animal Biology (3)

**Additional Required Courses:**

- CH 187 Inorg Chem & Qual Analys Lab (2)  
 CH 341 Found of Organic Chem (4)  
 CH 342 Organic Chemistry Lab I (1)  
 CH 450 Environmental Chemistry (3)

**Choose 8 Hours From:**

- BI 381 Molecular Genetics (3)  
 BI 420 Principles of Wildlife Management (3)  
 BI 430 Management of Wildlife Habitat (3)  
 BI 432 Advanced Ecology (3)  
 BI 435 Conservation Biology (3)  
 BI 440 Ecology & Management of Wetlands (3)  
 BI 441 Virology (3)  
 BI 442 Immunology (3)  
 BI 443 Epidemiology (3)  
 BI 445 Microbial Physiology (3)  
 BI 452 Limnology (3)  
 BI 453 Occupational Health (3)  
 BI 455 Industrial Hygiene (3)  
 BI 460 Introduction to Toxicology (3)  
 BI 469 Wildlife Toxicology (3)  
 BI 471-473 Internship in Biology (1-3)  
 BI 543 Pathogenic Microbiology (2)  
 BI 544 Pathogenic Microbiology Laboratory (1)  
 BI 589-591 Biological Research (1-3)  
 BO 361 Systematic Botany (3)  
 BO 445 Plant Physiology (3)  
 BO 461 Native Aquatic Plants (3)  
 BO 469 Field Botany (3)  
 ZO 331 Animal Physiology (3)

- ZO 459 Mammalogy (3)
- ZO 460 Herpetology (3)
- ZO 466 Ornithology (3)
- ZO 469 Vertebrate Adaptations (3)
- ZO 478 Ichthyology (3)

**BUSINESS (21 Hours)**

- AC 221 Principles of Accounting I (3)
- AC 222 Principles of Accounting II (3)
- EC 225 Principles of Macroeconomics (3)
- FI 361 Financial Management (3)
- MG 301 Principles of Management (3)
- MI 375 Management Information Systems (3)
- MK 301 Principles of Marketing (3)

**CHEMISTRY (28 Hours)**

- CH 187 Inorg Chem & Qual Analysis (2)
- CH 271 Found of Analy Chem (5)
- CH 311 Found of Phys Chem (4)
- CH 341 Found of Organic Chem (4)
- CH 342 Organic Chemistry Lab I (1)
- CH 450 Environmental Chemistry (3)
- PH 121 Introductory Physics II (5)
- UI 443 Prof Experience in Chem (3)

**Choose 1 Course From:**

- CH 313 Phys Chem Lab (3)
- CH 343 Advanced Organic Chemistry (3)
- CH 344 Organic Chemistry Lab II (2)
- CH 391 Undergraduate Research (1-3)
- CH 447 Adv NMR Techniques (3)
- CH 545 Organic Preparations & Characterizations (3)
- CH 575 Chemical Instrumentation (4)
- CH 531/UI 331 Found of Biochemistry (3)

**ENVIRONMENTAL HEALTH (24-25 Hours)**

- EV 443 Epidemiology (3)
- EV 453 Occupational Health (3)
- EV 455 Industrial Hygiene (3)
- EV 460 Introduction to Toxicology (3)
- EV 551 Hazardous Materials Assessment (3)

**NOTE:** One of the EV courses above will satisfy the 3 hours of elective credit in the Environmental Science core course requirements.

**Choose 1 Course From:**

- BI 485 Topics in Biology (3)
- BI 543 & 544 Pathogenic Microbiology & Lab (3)
- BS 332 Human Physiology (3)
- EN 301 Writing for Science & Technology (3)
- HL 210 Health & Safety (2)
- HL 320 Community Health (3)

**Additional Required Courses:**

- CH 187 Inorg Chem & Qual Analys Lab (2)
- CH 341 Found of Organic Chem (4)
- CH 342 Organic Chemistry Lab I (1)
- CH 450 Environmental Chemistry (3)

**GEOPROCESSING AND SOILS (25 Hours)**

- AG 440 Precision Agriculture (3)
- GO 340 Remote Sensing (3)

**OR**

- AG 551 Water Management (3)
- GO 445 Geographic Information Systems (3)
- GO 555 Soil Class & Res Mgmt (3)

**Choose 3 Hours From:**

- AO 427 Soil Fertility & Plant Nutr (3)
- BI 440 Ecology & Mgmt of Wetlands (3)

**Additional Required Courses:**

- CH 187 Inorg Chem & Qual Analys Lab (2)
- CH 341 Found of Organic Chem (4)
- CH 342 Organic Chemistry Lab I (1)
- CH 450 Environmental Chemistry (3)

**POLICY AND COMMUNICATION (18 Hours)**

- MC 201 Writing for Mass Media (3)
- PS 230 American Public Policy (3)

**OR**

- PS 280 Intro to Global Issues (3)
- PS 491 Topics in Political Science (3)
- SC 200 Advanced Public Speaking (3)

**HEALTH MANAGEMENT**

**61-72 Hour Major - No Minor Required**

- FN 235 Nutrition for Health (3)
- HL 111 Intro to Health Management (3)
- HL 120 Health Perspectives (3)
- HL 231 Fitness Conditioning (3)
- HL 312 Sport and Exercise Pharmacology (3)
- HL 331/031 Exercise Physiology (3)
- HL 431 Fitness Assmt & Exercise Prog (4)
- HL 460 Exercise Leadership (3)
- HL 498 Health Internship (12)

**Choose One Option:**

**EXERCISE SCIENCE (24 Hours)**

- HL 251 Intro to Athletic Injuries (3)
- HL 261 Exercise Science Practicum (3)
- HL 303 Research Methods (3)
- HL 332 Lifestyle Disease Risk Reduction (3)
- HL 471 Fitness Facility Admin (3)
- PE 464 Kinesiology (3)

**Electives - 6 Hours:**

- FN 200-500 approved by advisor (3)
- HL 300-500 approved by advisor (3)

**HEALTH PROMOTION (27 Hours)**

- FN 255 Nutrition I (3)

**OR**

- FN 355 Lifespan Nutrition (3)
- HL 260 Health Promotion Practicum (3)
- HL 303 Research Methods (3)

- HL 332 Lifestyle Disease Risk Reduction (3)
- HL 432 Health Promotion Programs (3)
- HL 490 Program Planning & Evaluating (3)
- MG 301 Principles of Management (3)

**OR**

- MK 301 Principles of Marketing (3)
- MG 3xxx Upper division MG elective (3)

**OR**

- MK 343 Advertising & Promotion (3)
- UI 354 Lifestyle Enhancement (3)

**Additional Requirements: 14-20 Hours**

- BS 113/013 Anatomy & Physiology I (4)
- BS 114/014 Anatomy & Physiology II (4)
- CH 180 Chemistry in Our World (3)

**OR**

- CH 181 Basic Principles of Chemistry (5)
- MA 134 College Algebra (3)

**HISTORIC PRESERVATION**

**66 Hour Major – No Minor Required**

**HISTORIC PRESERVATION REQUIREMENTS**

**Required Historic Preservation Core:**

- HP 007 Professional Portfolio Review (0)
- HP 100 Intro to Historic Preservation (3)
- HP 200 Intro to Techniques of Local History (3)
- HP 450 Problems in Historic Preservation (3)
- HP 585 History of American Architecture (3)
- HP 588 Legal & Econ Prin of Historic Preserv (3)

**Required History Core:**

- GH 315 Historiography (3)
- US 105 American History I (3)
- US 107 American History II (3)

**Public History Breadth Requirements - choose 6 hours:**

- HP 405 Archives & Spec Collections Management (3)
- HP 410 Museum Studies (3)
- HP 420 Historic Site Administration (3)
- History Breadth Electives - choose 6 hours:  
Any EH, GH, US, or WH 200-500 level or approved departmental UI course

**History Breadth Senior Division Electives - choose 3 hours:**

- Any EH, GH, US, or WH 400-500 level or approved departmental UI course

**Historic Preservation Elective – choose 6 hours:**

- AN 382 Archaeology: Method & Theory (3)
- HP 552 Historic Preservation Field School (3)
- HP 580 Hist of Am Bldg Mats and Tech (3)
- HP 589 Hist Pres-Based Econ Revital (3)
- Any HP topics course or an additional HP Breadth Requirement.

**INTERNSHIP REQUIREMENT (Choose 9 Hours):**

- HP 500 Historic Preservation Internship I (3)
- HP 501 Historic Preservation Internship II (6)
- HP 502 Historic Preservation Internship III (9)

**ADDITIONAL INTERDISCIPLINARY REQUIREMENTS**

**Choose 6 Hours:**

- AG 440 Precision Agriculture (3)
- CM 100 Introduction to Drafting (3)
- CM 126 Computer Assisted Drafting (3)
- DS 104 Exploring Interior Design (3)
- MG 301 Principles of Management (3)
- MK 301 Principles of Marketing (3)
- PG 284 Photography Fundamentals (3)
- TH 101 Acting for Non-Majors (3)
- UI 351 Public Opinion (3)
- UI 400 Business & Ethics (3)
- UI 425 Persuasion (3)

**Choose 6 Hours From:**

- AH 511 American Art (3)
- CT 517 History of Costume (3)
- DS 206 History of Interiors II (3)
- IU 306 Perspectives of Urban Design (3)
- TH 395 Period & Style (3)
- UI 313 African-American Experience (3)
- UI 337 Issues in Modern Architecture (3)
- UI 339 North American Indians (3)
- UI 340 Housing Perspectives (3)
- UI 341 Victorian Studies (3)
- UI 401 American Cultural Landscapes (3)
- UI 446 Civil Rights Movement (3)

**HOSPITALITY MANAGEMENT**

**46 Hour Major – No Minor Required**

**Required Courses:**

- FN 150 Intro to Hospitality Mgmt (3)
- FN 205 Selection & Preparation of Foods (3)
- FN 235 Nutrition for Health (3)\*
- FN 260 Meeting & Event Mgmt (3)
- FN 270 Hotel & Resort Operations (3)
- FN 304 Food, Bev & Labor Cost Cntrls (3)
- FN 325 Hospitality Law (3)
- FN 350 Culinary Theory & Practice (3)
- FN 390 Hosp Sales & Marketing (3)
- FN 406 Hospitality & Institution Admin (3)
- FN 416 Quantity Food Production (4)
- FN 473 Internship in Hospitality Mgmt (12)

**Additional Requirements: 24 Hours**

- AC 221 Principles of Accounting I (3)
- AD 101 Intro to Microcomputer Appl (3)
- EC 101 Economic Problems & Policies (3)\*

**OR**

- EC 215 Prin of Microeconomics (3)\*
- MA 134 College Algebra (3)\*
- MG 301 Principles of Management (3)
- MG 356 Found of Human Resource Mgmt (3)
- MK 301 Principles of Marketing (3)
- SN 100 Spanish Language & Culture (3)\*

*\*Fulfills University Studies requirement*

**HUMAN ENVIRONMENTAL STUDIES:  
CHILD DEVELOPMENT OPTION**

**72 Hour Major - No Minor Required**

**Required Courses:**

- CF 102 Relationships in the 21st Century (3)
- CF 120 The Child: Devel/Conception to Adolsc (3)
- CF 124 Hlth/Nutr/Safety Child (3)
- CF 200 Constructive Guidance & Discipline (3)
- CF 209 Construct Guid & Discipline (3)
- CF 215 Observ: Perception & Process (3)
- CF 233 Creative Thought & Express in Children (3)
- CF 250 Family Child Care: Feasibility & Mgmt (3)
- CF 280 Learning Theory & Appl: Preschool (3)
- CF 285 Learn Theory/Appl: Infants & Toddlers (3)
- CF 300 Parent Education (3)
- CF 306 History/Theory of Child Devlpmnt (3)
- CF 310 School Age Child Care (3)
- CF 330 Middle Childhood/Youth Issues (3)
- CF 410 Culture & Ethnicity of the Child (3)
- CF 430 Parent Chld Intractns: Systems Appr (3)
- CF 475 Action Research for the Practitioner (3)
- CF 480 Child Development Career Internship (6)
- EX 390 Psych & Educ of the Exceptional Child (3)

**Choose One Track:**

**Administrative Track (12)**

- CF 315 Admin of Progr for Children & Youth (3)
- CF 350 Assessing/Teaching Young Children (3)
- CF 415 Legal Risks/Admin:Dec-Making in Prog (3)
- CF 420 Leadership/Advocacy for the Admin (3)

**Child & Youth Services Track (12)**

- CF 495 Interagency Collaboration (3)
- CF 520 Family Assessment (3)
- HS 551 Case Management (3)
- SW 354 Crisis Intervention (3)

**Additional requirements:**

(Some courses may fulfill University Studies requirements)

- BS 103 Human Biology (3)
- FE 200 Family Financial Management (3)
- LI 243 Children's Literature (3)
- MA 118 Mathematics I (3)
- PH 218 Physical Science: A Process Approach (3)
- PS 103 U.S. Political Systems (3)

- SW 121 Helping Skills for Human Services (3)
- US 105 American History I (3)

**OR**

- US 107 American History II (3)

**HUMAN ENVIRONMENTAL STUDIES:  
DIETETICS OPTION**

**47 Hour Major - No Minor Required**

**Required Courses:**

- FN 205 Food Selection & Preparation (3)
- FN 255 Nutrition I (3)
- FN 304 Food, Beverage & Labor Cost Cntrl (3)
- FN 320 Essentials of Food Science (4)
- FN 340 Professional Dietetic Seminar (1)
- FN 355 Lifespan Nutrition (3)
- FN 370 Nutrition Assessment (3)
- FN 406 Hospitality & Institution Admin (3)
- FN 416 Quantity Food Production (4)
- FN 502 Nutrition II (3)
- FN 503 Medical Nutrition Therapy I (4)
- FN 504 Medical Nutrition Therapy II (4)
- FN 525 Nutrition Counseling (3)
- FN 540 Community Nutrition (3)
- HE 520 Tech/Teaching Nutrition & Health Ed (3)

**Additional Requirements: 46 Hours**

(Some courses may fulfill University Studies requirements)

- AC 221 Principles of Accounting I (3)
- AD 101 Intro to Microcomputer Appl (3)
- BS 113 Anatomy & Physiology I (4)
- BS 114 Anatomy & Physiology II (4)
- BS 240 Microorganisms/Human Host (3)
- CH 181 Basic Prin of Chemistry (5)
- CH 234 Organic & Biol Chemistry (3)
- EN 140 Rhetoric & Critical Thinking (3)
- FN 235 Nutrition for Health (3)
- HL 331/ 031 Exercise Physiology (3)
- MA 134 College Algebra (3)
- MK 301 Principles of Marketing (3)
- PY 101 Psych Perspectives/Human Behavior (3)
- HL 303 Research Methods (3)

**HUMAN ENVIRONMENTAL STUDIES:  
FAMILY STUDIES OPTION**

**48 Hour Major - Minor Required**

**Required Courses:**

- CF 102 Relationships in the 21st Century (3)
- CF 120 The Child: Devel/Conception to Adolsc (3)
- CF 206 Intro to Gerontology (3)
- CF 207 Gerontology Practicum I (3)



CF 209	Intro to Family Systems (3)
CF 220	Young & Middle Adulthood (3)
CF 300	Parent Education (3)
CF 320	Life Skills Education (3)
CF 340	Family Policy Law & Advocacy (3)
CF 402	Marriage Interaction (3)
CF 405	Special Population Practicum (3)
CF 430	Parent-Child Interaction (3)
CF 512	Family & Comm Resources (3)
CF 520	Family Assessment (3)
CF 565	Family Service Internship (6)

**Additional Requirements: 6 hours**

FE 200	Family Resource Management (3)
SW 121	Helping Skills in Human Services (3)

**HUMAN ENVIRONMENTAL STUDIES:  
FASHION MERCHANDISING OPTION**

**38 Hour Major - Retail Management Minor Required**

**Required Courses:**

DS 114	Display Design (3)
FA 110	Intro to Fashion Merchandising (3)
FA 207	Textiles (3)
FA 230	Apparel Analysis (3)
FA 300	Professional Image & Behavior (2)
FA 350	Apparel Aesthetics (3)
FA 410	Internship (6)
FA 415	Fashion Retailing (3)
FA 420	Specialty Markets (3)
FA 450	Issues & Trends in Fash Merch (3)
FA 517	History of Costume (3)
FA 518	Soc Psych Aspects of Clothing (3)

**Additional Requirements: 15 Hours**

AD 101	Intro to Microcomp Appl (3)
AR 104	Design Foundations (3)
EC 101	Economic Problems & Policies (3)
MG 301	Principles of Management (3)
MG 356	Found of Human Resources Management (3)

**HUMAN ENVIRONMENTAL STUDIES:  
INTERIOR DESIGN OPTION**

**61 Hour Major - No Minor Required**

**Required Courses:**

CT 207	Textiles I (3)
DS 001	Portfolio Review (0)
DS 104	Exploring Interior Design (3)
DS 111	Design Process (3)
DS 205	History of Interiors I (3)
DS 206	History of Interiors II (3)
DS 207	Interior Systems I (3)
DS 208	Interior Systems II (3)

DS 211	Basic Kitchen/Bath Design (3)
DS 220	Design Communications (3)
DS 313	Sustainable Design (3)
DS 314	Multicultural Design (3)
DS 320	Adv Design Communications (3)
DS 330	Lighting/Electrical Systems (3)
DS 332	Materials/Cost Estimating (3)
DS 410	Hospitality Design (3)
DS 411	Adv Kitchen/Bath Design (3)
DS 412	Contract Design (3)
DS 440	Internship in Interior Design (4)
DS 450	Prof Prac/Interior Design I (3)
DS 451	Prof Prac/Interior Design II (3)

**Choose Three Hours from the Following Courses:**

CM 310	Constr Codes & Compliance (3)
FM 544	Sustain Constr Mats & Tech (3)
MG 301	Principles of Management (3)

**Additional Requirements: 24 Hours**

AR 112	Perspectives in Art (3)*
CM 126	Computer Aided Arch Drafting (3)
CM 226	Residential Arch Drftg & Design (3)
CM 322	Comm Arch Drftg & Design (3)
MA 134	College Algebra (3)*
MK 301	Principles of Marketing (3)
UI 340	Housing Perspectives (3)*

*\*Some courses may fulfill University Studies requirements.*

**INTERDISCIPLINARY STUDIES**

**69 Hour Major - No Minor Required**

The Interdisciplinary Studies major allows students to create a personalized academic program tailored to their individual career goals by completing courses across multiple academic disciplines. Students work with faculty advisors in their selected areas of emphasis to create a personalized plan of study. The Interdisciplinary Studies plan of study must be approved by faculty advisors in each area, the Dean of the School of University Studies, and the Registrar before completion of 75 hours. A cumulative grade point average of 2.5 is required for graduation. For additional information about the major, students should contact an advisor in the Collaborative Advising Center or visit the web page at <http://www.semo.edu/usac>.

**Required courses:**

**University Studies requirements 51 hours**

**Two, three or four areas of emphasis 69 hours\***

*\*Minimum of 12 hours; maximum of 30 hours in each area*

**MASS COMMUNICATION**

**36 Hour Major – Minor Required**

*(A grade of ‘C’ or higher is required in all courses within the major except MC 001, MC 486 & MC 496 which are credit/no credit courses.)*

**Required Courses:**

- MC 001 Exit Interview (0)
- MC 101 Mass Comm & Society (3)
- MC 301 Mass Comm/Theory/Research (3)
- MC 304 Diversity in Communication (3)
- MC 401 Communication Law (3)
- MC xxx Electives (3)

**Additional Requirements:**

- MA 155 Statistical Reasoning (3)\*
  - UI 382 Hist & Phil of American Mass Media (3)\*
- \*A grade of ‘C’ or higher is required in MA 155 and UI 382.*

**Choose One 21 Hour Option:**

**ADVERTISING**

- MC 211 Advertising & Society (3)
- MC 310 Adv Analysis & Strategy (3)
- MC 312 Adv Creative Concepts (3)
- MC 316 Advertising Media (3)
- MC 318 Adv Digital Applications (3)
- MC 418 Advertising Campaigns (3)
- MC 429 Media Management (3)

**MULTIMEDIA JOURNALISM**

- MC 221 Media Elements (3)
- MC 320 Media News (3)
- MC 322 Design for Media (3)
- MC 326 Sound for Media (3)
- MC 327 Visuals for Media (3)
- MC 421 Media Storytelling (3)
- MC 429 Media Management (3)

**PUBLIC RELATIONS**

- MC 231 Strategic Relations (3)
- MC 330 PR Principles (3)
- MC 331 Strategic Writing (3)
- MC 333 Strategic Production (3)
- MC 334 PR Research and Strategy (3)
- MC 430 Strategic Communication Issues (3)
- MC 434 PR Case Studies & Campaigns (3)

**TELEVISION & FILM**

- MC 251 TV & Film in America (3)
- MC 351 Basic TV & Film Production (3)
- MC 352 Video Postproduction (3)
- MC 354 Screenwriting (3)
- MC 366 Television Directing (3)
- MC 451 Advanced Film Production (3)
- MC 469 Adv Video Production (3)

**NOTE:** Completion of a minimum of 83 hours outside of the MC prefix with 68 of those hours selected from traditional Arts and Sciences courses.

**MATHEMATICS**

**43 Hour Major - No Minor Required**

**Required Courses:**

- MA 003 Math Major Field Achvmt Test (0)
- MA 138 Discrete Mathematics I (3)
- MA 140 Analytic Geometry & Calculus I (5)
- MA 145 Analytic Geometry & Calculus II (4)
- MA 240 Analytic Geometry & Calculus III (3)
- MA 250 Foundations of Mathematics (3)
- MA 448 Mathematics Seminar (1)

**Choose One 24 Hour Option:**

**PURE MATHEMATICS**

- MA 345 Linear Algebra (3)
- MA 445 Modern Algebra (3)
- MA 523 Probability & Statistics I (3)
- MA 546 Advanced Calculus I (3)

**Choose 12 Hours MA courses higher than MA 250. One course must be chosen from MA 524, MA 540, MA 545, MA 547, MA 550**

**APPLIED MATHEMATICS & STATISTICS**

- MA 223 Elem Probability & Statistics (3)

**Choose 3 Hours From:**

- MA 445 Modern Algebra (3)
- MA 523 Probability & Statistics I (3)
- MA 546 Advanced Calculus I (3)

**Choose 15 Hours From (include at least 3 MA courses):**

- MA 245 Vector Calculus (2)
- MA 338 Discrete Math II (3)
- MA 345 Linear Algebra (3)
- MA 350 Differential Equations I (3)
- MA 423 Statistical Analysis for Forensic Science (3)
- MA 464 Mathematical Cryptography (3)
- MA 486-488 Internship in Mathematics (1-3)
- MA 523 Probability & Statistics I (3)
- MA 524 Probability & Statistics II (3)
- MA 545 Linear Algebra & Matrices (3)
- MA 546 Advanced Calculus I (3)
- MA 547 Advanced Calculus II (3)
- MA 550 Differential Equations II (3)
- MA 580 Exp Design & Analysis of Variance (3)
- CH 311 Found of Physical Chem (4)
- CH 312 Advanced Physical Chem (3)
- CS 345 Discrete Structures II (3)
- EP 261 Eng Mech Statics (3)
- EP 262 Eng Mech Dynamics (3)
- EP 361 Thermal Analysis (3)

- EP 372 Signals & Systems (3)
- EP 374 Control Systems (3)
- PH 341 Optics (3)
- PH 370 Mechanics (3)
- PH 371 Electromagnetics (3)
- PH 570 Mathematical Physics (3)

**Choose 3 Hours From:**

- MA 524 Probability & Statistics II (3)
- MA 545 Linear Algebra & Matrices (3)
- MA 547 Advanced Calculus II (3)
- MA 550 Differential Equations II (3)

**MEDICAL TECHNOLOGY**

**74-78 Hour Major - No Minor Required**

**Required Courses:**

- BI 200 General Microbiology (3)
- BI 381 Molecular Genetics (3)
- BI 442 Immunology (3)
- BI 543 Pathogenic Microbiology (2)
- BI 544 Pathogenic Microbiology Laboratory (1)
- BS 103 Human Biology (3)

**OR**

- BS 108 Biology for Living (3)

**OR**

- BI 154 Genetics & Cellular Biology (4)
- CH 185 General Chemistry (5)
- CH 186 Found of Inorganic Chem (3)
- CH 187 Inorg Chem & Qual Analysis (2)
- CH 271 Found of Analy Chem (5)
- CH 341 Found of Organic Chem (4)
- CH 342 Organic Chemistry Lab I (1)
- MA 134 College Algebra or H.S. equiv (0-3)
- MA 223 Elem Probability & Statistics (3)
- ZO 331 Animal Physiology (3)

**OR**

- BS 332 Human Physiology (3)
- UI 331/CH 531 Found of Biochemistry (3)

**Clinical Year Program Off Campus (30 Hours)**

**PHYSICS**

**55 Hour Major - No Minor Required**

**Required Courses:**

- EP 100 Physics & Engineering Concepts (1)
- EP 340 Electronic Circuits (4)
- EP 361 Thermal Analysis (3)
- EP 462 Materials Science (3)
- PH 230/030 General Physics I (5)
- PH 231/031 General Physics II (5)
- PH 341 Optics (3)
- PH 345 Experimental Methods I (3)

**OR**

- UI 330 Experimental Methods I (3)
- PH 360 Modern Physics (3)
- PH 370 Mechanics (3)
- PH 371 Electromagnetics (3)
- PH 473 Quantum Mechanics (3)
- PH 477 Physics Seminar (1)
- PH 478 Undergraduate Research (1)
- PH 479 Undergraduate Research (2)
- PH 570 Mathematical Physics (3)

**Choose 9 Hours Approved Technical Electives\***

**Additional Requirements: 28 Hours**

- CH 185 General Chemistry (5)
- CS 177 Programming for Scientists & Engrs (3)
- MA 140 Analytic Geometry & Calculus I (5)
- MA 145 Analytic Geometry & Calculus II (4)
- MA 240 Analytic Geometry & Calculus III (3)
- MA 245 Vector Calculus (2)
- MA 350 Differential Equations (3)
- MA xxx Math elective (300-500 level) (3)

*\*Choose from approved list with advice of advisor*

**POLITICAL SCIENCE**

**36 Hour Major - Minor Required**

**Required Courses:**

- PS 001 Senior Assessment (0)
- PS 103 U.S. Political Systems (3)

**OR**

- PS 104 Comparative Political Systems (3)
- PS 240 Intro to Political Science (3)
- PS 470 Politics of the Developed World (3)

**Select 3 Hours from Each of the Five Categories, plus 6 Additional Hours From One Category**

*(9 Hours of PS courses must be 300-500 level)*

**American Government & Politics**

- PS 310 Govt & Politics in American States (3)
- PS 335 American Foreign Policy (3)
- PS 360 Political Parties & Voting Behavior (3)
- PS 365 Legislative Process (3)
- PS 387-389 Independent Study in Poli Sci (1-3)
- PS 390 American Judicial System (3)
- PS 418 Public Policy Analysis (3)
- PS 490 Constitutional Law (3)
- UI 320 Modern Presidency (3)

**Comparative Government & Politics**

- IU 310 Govt & Pol of East Asia (3)
- PS 355 Less Developed Nations (3)
- PS 387-389 Independent Study in Poli Sci (1-3)
- PS 460 Govt & Politics West Europe (3)
- UI 350 Middle East Politics (3)

**International Politics**

- PS 280 Intro to Global Issues (3)
- PS 335 American Foreign Policy (3)
- PS 380 International Organizations (3)
- PS 387-389 Independent Study in Poli Sci (1-3)
- PS 580 International Politics (3)
- PS 595 International Law (3)
- UI 322 International Political Economy (3)

**Public Administration**

- PI 381-383 Internship in Political Science (1-3)
- PS 230 American Public Policy (3)
- PS 384-386 Internship in Political Science (3)
- PS 387-389 Independent Study in Poli Sci (1-3)
- PS 402 Fund of Public Administration (3)
- PS 403 Public Personnel Administration (3)
- PS 405 Org Theory/Behavior (3)
- PS 415 Government Budgeting Process (3)
- PS 418 Public Policy Analysis (3)
- PS 425 Administrative Law & Procedure (3)

**Political Theory**

- PS 387-389 Independent Study in Poli Sci (1-3)
- UI 342 Modern Political Thought (3)
- UI 357 Early American Political Thought (3)
- UI 358 Foundations of Political Thought (3)
- UI 361 Contemporary Political Theory (3)

**Choose 6 Additional Hours PS Electives**

**Additional Requirements: 11 Hours**

- AD 101 Intro to Microcomp Appl (3)

**Choose 3 Hours of Statistics:**

- MA 223 Elem Probability & Statistics (3)
- PY 271 Research Design & Analysis I (3)
- PY 571 Intro to Behavioral Statistics (3)
- QM 257 Business Statistics (3)
- SW 242 Statistics for Social Scientists (3)

**Additional Math Requirement:**

- MA xxx 5 Hours MA 123 or above (except MA 230, 318, 418)

**PSYCHOLOGY**

36 Hour Major - Minor Required

*(A grade of 'C' or better is required for Required Core Courses.)*

**Required Core Courses:**

- PY 102 Intro to Psychology (3)
- PY 103 Career Devlp in Psychology (3)
- PY 271 Research Design & Analysis I (3)
- PY 370 Research Design & Analysis II (3)
- PY 497 Historical Development of Psychology (3)

**Extended Core Courses: (Choose One Course From Each of the Following Five Areas) (15 hours)**

**Basic Processes**

- PY 362 Learning & Memory (3)

- PY 366 Intro to Sensation & Perception (3)
- PY 466 Intro to Physiological Psychology (3)

**Clinical/Personality**

- PY 432 Intro to Personality (3)
- PY 440 Abnormal Psychology (3)
- PY 441 Intro to Clinical Psychology (3)

**Cognition**

- PY 353 Social Cognition (3)
- PY 364 Comparative Cognition (3)
- PY 460 Cognitive Processes (3)

**Developmental Psychology**

- PY 120 The Child: Devel/Concept to Adolsc (3)
- PY 220 Psychological Devel Across Life Span (3)
- PY 222 Development of the Adolescent (3)
- PY 525 Maturity & Aging (3)

**Social/Applied Psychology**

- PY 250 Applied Psychology (3)
- PY 251 Industrial/Organizational Psychology (3)
- PY 358 Social Psychology (3)

**Choose 6 hours from:**

- PY 250 Applied Psychology (3)
- PY 251 Industrial/Organizational Psychology (3)
- PY 301 Cross-Cultural Psychology (3)
- PY 325 Psychological Devel of the Family (3)
- PY 329/529 Psychology of Death & Dying (3)
- PY 353 Social Cognition (3)
- PY 358 Social Psychology (3)
- PY 359 Psychology & the Law (3)
- PY 362 Learning & Memory (3)
- PY 364 Comparative Cognition (3)
- PY 366 Intro to Sensation & Perception (3)
- PY 432 Intro to Personality (3)
- PY 440 Abnormal Psychology (3)
- PY 441 Intro to Clinical Psychology (3)
- PY 442 Psychotherapy (3)
- PY 444 Childhood Psychopathology (3)
- PY 460 Cognitive Processes (3)
- PY 465 Motivation & Emotion (3)
- PY 466 Intro to Physiological Psychology (3)
- PY 484 Advanced Research in Psychology (3)
- PY 495 Internship in Psychology (3)
- PY 521 Advanced Child Development (3)
- PY 525 Maturity & Aging (3)
- PY 531 Psychological Testing (3)
- PY 555 Health Psychology (3)

**RECREATION**

**57 Hour Major - No Minor Required Required Courses:**

- RC 100 Leisure in a Diverse Culture (3)
- RC 140 Intro to Recreation Services (3)

- RC 220 Leadership and Group Dynamics (3)
- RC 260 Intro to Therapeutic Recreation (3)
- RC 288 Practicum in Recreation Services (3)
- RC 303 Research Methods (3)
- RC 380 Programming for Recreation Services (3)
- RC 385 Rec Facilities Planning & Mgmt (3)
- RC 405 Trends & Issues in Rec & Leisure (3)
- RC 420 Organization & Admin of Rec Svcs (3)
- RC 440 Facilitation of Group Development (3)
- RC 497 Recreation Internship (12)

**Choose 12 Hours From:**

- RC 112 Intro to Music Therapy (3)
- RC 116 Special Topics in Health & Leisure (1-3)
- RC 119 Outdoor Adventure Special Topics (1-3)
- RC 150 Outdoor Living Skills (3)
- RC 151 Outdoor Adventure Skills (3)
- RC 210 Camp Leadership (3)
- RC 230 Recreational Sports (3)
- RC 245 Mentoring Principles & Practices (3)
- RC 250 Foundations of Outdoor Recreation (3)
- RC 270 Commercial Recreation (3)
- RC 300 Leisure Education (3)
- RC 304 Therapeutic Rec & Prog Design (3)
- RC 310 Outdoor Leadership (3)
- RC 311 Parks/Outdoor Resource Mgmt (3)
- RC 316 Special Topics in Health & Leisure (1-3)
- RC 324 Independent Study/Therapeutic Rec (3)
- RC 345 Youth Development Through Leisure (3)
- RC 360 Therapeutic & Adapted Rec Svcs (3)
- RC 812 Outdoor Adventure (3)
- RC 450 Outdoor Adventure Therapy (3)
- RC 460 Problems & Issues in Therapeutic Rec (3)
- UI 354 Lifestyle Enhancement (3)\*
- UI 387 Environ Law & Public Policy (3)\*
- UI 427 Service & Community (3)\*
- UI 429 Environmental Ethics (3)\*

*\*Only 3 hours of UI courses may be applied to the elective hours.*

**SOCIAL WORK**

**60 Hour Major - No Minor Required**

*(See Admission to Social Work Program criteria under Admissions, page 14. A grade of 'C' or better is required in all courses within the major including additional requirements.)*

**Required Courses:**

- SW 110 Intro to Social Work (3)
- SW 201 Social & Economic Justice (3)
- SW 207 Undrstdng Cultrl & Soc Diversity (3)
- SW 221 Interviewing Skills for Generalist Pract (3)
- SW 222 Case Management (3)
- SW 242 Statistics for Social Scientists (3)

- SW 307 Human Behav/Social Environment I (3)
- SW 308 Human Behav/Social Environment II (3)
- SW 310 Social Welfare Policies & Services (3)
- SW 321 Social Work Practice I (3)
- SW 322 Social Work Practice II (3)
- SW 323 Social Work Practice III (3)
- SW 342 Meth of Soc Resrch/Generalist Practc (3)
- SW 449 Social Work Integrative Seminar (3)
- SW 450 Field Education (12)

**Choose 6 Hours From:**

- SW 351 Child Welfare Services (3)
- SW 352 Social Welfare Services to the Aged (3)
- SW 353 Child Development (3)
- SW 354 Crisis Intervention (3)
- SW 355 Special Topics in Social Work (3)
- SW 356 Social Work in Mental Health (3)
- SW 387-389 Independent Study in Social Work (1-3)  
*(With approval from advisor, one other 300 or 400 level course may be substituted for a Social Work elective.)*

**Additional Requirements: 3 Hours**

- PY 101 Psych Perspectives/Human Behavior (3)

**SPORT MANAGEMENT**

**42 Hour Major – Business Administration Minor Required**

**Required Core Courses:**

- MK 351 Sport Marketing (3)
- PE 201 Sport & Society (3)
- SM 220 Intro to Sport Management (3)
- SM 340 Sport Ethics (3)
- SM 360 Sporting Event Management (3)
- SM 370 Practicum in Sport Management (2)
- SM 455 Sport-Related Venue Design & Operation (3)
- SM 460 Fund of Sport Delivery Systems (3)
- SM 465 Prof Seminar in Sport Mgmt (1)
- SM 470 Sport Management Internship (12)
- SM 540 Legal Aspects of Sport & Physical Activity (3)
- SM 570 Mgmt & Leadership in Sport Organizations (3)

**Required Support Courses:**

- MC 101 Mass Communication & Society (3)
- PL 204 Ethical Theory (3)
- SC 105 Fundamentals of Oral Communication (3)
- SC 155 Fundamentals of Interpersonal Communication (3)

**TECHNOLOGY MANAGEMENT**

**85-86 Hour Major - No Minor Required**

**Required Courses:**

- IM 102 Technical Communication (3)
- IM 301 Industrial Safety Supervision (3)
- IM 311 Statistical Process Control (3)
- IM 419 Industrial Supervision (3)

- IM 506 Projects in IET (3)
- MA 133 Plane Trigonometry (3)
- MA 134 College Algebra (3)
- MN 220 Engineering Econ Analysis (3)
- MN 260 Tech Computer Programming Appl (3)
- PH 120 Introductory Physics I (5)\*

**OR**

- PH 106 Physical Concepts (3)\*
- PH 121 Introductory Physics II (5)\*

**OR**

- CH 181 Basic Principles of Chemistry (5)\*
- SW 207 Understanding Cult & Soc Diversity (3)
- UI 410 Manufac Research/Global Society (3)

*\*Computer & Multimedia Graphics, Construction Management & Design, Industrial Management and Sustainable Energy Systems Management must take CH 181; Telecommunications & Computer Networking option must take PH121; Computer & Multimedia Graphics is the only option that can take PH 106.*

**Choose One Option:**

**COMPUTER & MULTIMEDIA GRAPHICS  
(45 Hours)**

- GM 180 Intro to Technical Graphics (3)
- GM 200 Vector & Bitmapped Graphics for Industry (3)
- GM 282 Vector Graphics (3)
- GM 320 Graphic User Interface Design (3)
- GM 326 Interactive Multimedia (3)
- GM 380 3D Modeling & Animation Prod (3)
- GM 385 HD Video for Multimedia (3)
- GM 386 Interactive Multimedia & Animation (3)
- GM 480 3D Animation Pipeline (3)
- GM 490 Advanced Graphics Projects (3)
- PG 284 Photography Fundamentals (3)
- PG 285 Commercial Photographic Lighting (3)
- PG 286 Commercial Studio Photography (3)
- PG 384 Commercial Photography I (3)
- TN 254 Fiber Optics/Network Comm (3)

**OR**

- TN 255 Microcomputer Maint & Trblshntng (3)

**CONSTRUCTION MANAGEMENT & DESIGN  
(42 Hours)**

- CM 126 Computer Aided Arch Drafting (3)
- CM 226 Resid Arch Drafting & Design (3)
- CM 243 Construction Methods & Matls (3)
- CM 310 Construction Codes & Compliance (3)
- CM 315 Construction Contracts & Legal Issues (3)
- CM 320 Construction Cost Estimating (3)
- CM 322 Comm Arch Drftg & Design (3)
- CM 325 Bldg Mechanical & Electrical Syst (3)
- CM 330 Construction Planning Scheduling (3)
- CM 343 Construction Surveying & Testing (3)
- CM 410 Construction Project Administration (3)

- IM 317 Internship (3)
- MA 139 Applied Calculus (3)
- MN 219 Statics & Strength of Materials (3)

**FACILITIES MANAGEMENT & SUSTAINABILITY  
(42 Hours)**

- CM 126 Computer Aided Arch Drafting (3)
- CM 226 Resid Arch Drafting & Design (3)
- CM 310 Construction Codes & Compliance (3)
- CM 320 Construction Cost Estimating (3)
- CM 325 Bldg Mechanical & Electrical Syst (3)
- CM 330 Construction Planning Scheduling (3)
- CM 510 Building Information Modeling (3)
- FM 504 Facilities Management (3)
- FM 544 Sust Constr Matls & Tech (3)
- FM 554 Facilities Operation & Supervision (3)
- FM 564 Sust Facility Planning & Design (3)
- FM 565 Building Energy Management (3)
- IM 317 Internship (3)
- MA 139 Applied Calculus (3)

**INDUSTRIAL & SAFETY MANAGEMENT  
(42 Hours)**

- ET 160 Basic Electricity & Electronics (3)
- ET 304 Intro to PLCs (3)
- EV 453 Occupational Health (3)
- EV 454 Risk Assessment Appl (3)
- EV 455 Industrial Hygiene (3)
- IM 313 Facilities Planning (3)
- IM 315 Work Measurement (3)
- IM 411 Total Quality Assurance (3)
- IM 417 Manufacturing Resource Analysis (3)
- MA 139 Applied Calculus (3)
- MN 120 Fund of Engr Design Processes (3)
- MN 170 Industrial Materials & Testing (3)
- MN 203 Industrial Materials & Process I (3)
- MN 304 Industrial Materials & Processes II (3)

**SUSTAINABLE ENERGY SYSTEMS MANAGEMENT  
(42 Hours)**

- ET 160 Basic Electricity & Electronics (3)
- ET 365 Industrial Electrical Power (3)
- ET 426 Sustainable Energy Tech (3)
- ET 463 Photovoltaic Syst Analysis & Design (3)
- ET 470 Energy Mgmt – Indus Processes (3)
- FM 504 Facilities Management (3)
- FM 544 Sust Const Matls & Tech (3)
- FM 554 Facilities Operation & Supervision (3)
- FM 564 Sustainable Facl Plan & Design (3)
- FM 565 Building Energy Management (3)
- IM 455 Sustainable & Green Mfg (3)
- MA 139 Applied Calculus (3)
- UI 360 Recycling & Waste Management (3)
- UI 387 Env Law & Public Policy (3)

**TELECOMMUNICATIONS & COMPUTER**

**NETWORKING (42 Hours)**

- ET 160 Basic Electricity & Electronics (3)
- ET 245 Logic Circuits (3)
- IM 317 Cooperative Industrial Internship (3)

**OR**

- CY 201 Intro to Cybersecurity (3)
- MA 139 Applied Calculus (3)
- TN 254 Fiber Optics & Network Comm (3)
- TN 255 Microcomputer Maint & Troubleshooting (3)
- TN 275 Network Fundamentals (3)
- TN 375 Network Routing Protocol & Concepts (3)
- TN 395 Server Maint & Troubleshooting (3)
- TN 425 Wireless Comm & Mobile Data Netwk (3)
- TN 435 Network Security (3)
- TN 563 LAN Switching (3)
- TN 565 Network Management (3)
- TN 566 IP Telephony (3)

**TECHNOLOGY MANAGEMENT (up to 34 Hours)**

The Technology Management option is specifically designed for students who have earned technically-oriented accredited Associate of Applied Science (A.A.S) degrees "OR for those with national certifications or exams and two years of directly related work experience." Students are awarded up to 34 credit hours towards the Technology Management major with the Technology Management option. To complete the BS Degree, students must complete the University Studies requirements and the Technology Management core courses. In addition, with the help of an advisor, students are required to take MA139 (Applied Calculus) and will select 21 credit hours of upper-level technical electives to build upon the skills gained through the AAS degree or background. This option is available on the Cape Girardeau campus and online.

**BACHELOR OF SCIENCE IN BUSINESS ADMINISTRATION DEGREE**

For students planning careers in business. See Admission to Business Administration Programs criteria under Admissions, page 11. The areas from which majors must be chosen are:

- Accounting
- Business Administration
- Economics
  - Options: Business Economics
  - Financial Economics
- Finance
- International Business

Management

- Options: Entrepreneurship
- Human Resource Management
- Management

Marketing

- Options: Integrated Marketing
- Communications
- Marketing Management
- Sales Management

Normally, 50 percent of an individual's business degree program (60 hours) must be comprised of non-business courses.

Fifty percent of the business hours counted toward a business degree must be taken at Southeast Missouri State University.

**BUSINESS ADMINISTRATION CORE**

Business students must be admitted to the College of Business prior to enrolling in upper division (300 level or above) business courses.

**33 Hours Required**

*(A grade of 'C' is required in each core course.)*

**Required Courses:**

- AC 221 Principles of Accounting I (3)
- AC 222 Principles of Accounting II (3)
- BA 490 Business Policy & Strategy (3)
- BL 255 Legal Environment of Business (3)
- FI 361 Financial Management (3)
- MG 301 Principles of Management (3)
- MI 375 Management Information Systems (3)
- MK 301 Principles of Marketing (3)
- QM 352 Management Science (3)
- QM 358 Production/Operations Management (3)

**Choose 3 Hours From:\***

- AC 540 International Perspectives of Accounting (3)
- BA 560 International Business Study Tour (3)
- EC 580 International Economics (3)
- FI 540 International Finance (3)
- MG 560 International Management (3)
- MK 560 International Marketing (3)

*\* International Course taken to meet Business Administration Core requirement may not be counted on a major.*

**Support Courses**

**30 Hours Required**

*(Some courses may fulfill University Studies requirements. A grade of 'C' or better is required in each support course.)*

- AD 101 Intro to Microcomputer Applications (3)
- EC 215 Principles of Microeconomics (3)
- EC 225 Principles of Macroeconomics (3)

- EN 140 Rhetoric & Critical Thinking (3)
- MA 134 College Algebra (3)
- MG 252 Business Communication (3)
- QM 257 Business Statistics (3)
- QM 258 Business Statistics II (3)
- SC 105 Fundamentals of Oral Communication (3)
- UI 400 Business & Ethics (3)

**NOTE:** All 100 and 200 level core and support courses are prerequisite to all 300 level business core and business major courses.

## ACCOUNTING

### 27 Hour Major - No Minor Required

#### Required Courses:\*

- AC 321 Financial Acct & Reporting I (3)
- AC 332 Financial Acct & Reporting II (3)
- AC 435 Taxation of Individuals (3)
- AC 437 Auditing & Assurance Services (3)

#### Choose 15 Hours From:

- AC 330 Accounting Information Systems (3)
- AC 331 Cost Accounting & Analysis (3)
- AC 534 Fin Acct & Reporting III (3)
- AC 537 Adv Audit & Assurance Svcs (3)
- AC 545 Tax of Bus Entities (3)
- AC 548 Govt & Not-For-Profit Acct (3)
- AC/BL 563 Legal/Ethical Issues of Acct (3)
- AC 573 Internship in Accounting (3)

**\*NOTE:** Accounting majors must select AC 540 to satisfy the Business Administration core requirement for an international course unless participating in an approved study abroad course or with permission of the department chairperson.

## BUSINESS ADMINISTRATION

### 24 Hour Major - No Minor Required

#### Required Courses:

#### AC/BA/BL/EC/FI/MG/MI/MK/QM 300-599 level (24)\*

*\*Choose a minimum of 4 disciplines with no more than 9 hours in one discipline (represented by subject prefix).*

*\*Core and support courses for BSBA degree will not count here.*

*\*No more than 6 hours can double count in this major and a minor in the Harrison College of Business.*

*\*No more than 9 hours may double count between this major and a second Business major.*

## ECONOMICS

### 25 Hour Major - No Minor Required

#### Choose One 25 Hour Option:

#### BUSINESS ECONOMICS

- EC 410 Macroeconomic Theory (3)
- EC 420 Microeconomic Theory (3)
- EC 498 Economics Seminar (1)
- EC 561 Managerial Economics (3)

#### Choose 6 Hours From:

- EC 351 Applied Economic Models (3)
- EC 380 Labor Economics (3)
- EC 490 Business & Econ Forecasting (3)
- UI 371 Government & Business (3)

#### Choose 9 Hours From:

- EC xxx EC course, (235-500 level)
- UI 349 Comparative Economic Systems (3)
- UI 366 Law and Economics (3)

#### FINANCIAL ECONOMICS

- EC 335 Monetary Economics (3)
- EC 410 Macroeconomic Theory (3)
- EC 420 Microeconomic Theory (3)
- FI 364 Modern Financial Institutions (3)
- EC 498 Economics Seminar (1)

#### Choose 6 Hours From:

- EC 351 Applied Economic Models (3)
- EC 470 Public Sector Economics (3)
- EC 580 International Economics (3)
- FI 368 Investments (3)

#### Choose 6 Hours From:

- EC xxx EC course (235-500 level)
- UI 322 International Political Economy (3)
- UI 349 Comparative Economic Systems (3)
- UI 366 Law & Economics (3)
- UI 371 Government & Business (3)

**NOTE:** No more than 6 hours of UI courses may be selected.

## FINANCE

### 24 Hour Major - No Minor Required

#### Required Courses:

- FI 362 Advanced Financial Management (3)
- FI 364 Modern Financial Institutions (3)
- FI 368 Investments (3)
- FI 480 Financial Policy (3)

#### Choose 12 Hours From:

- FI 351 Principles of Insurance (3)
- FI 363 Entrepreneurial Finance (3)
- FI 365 Real Estate Principles & Practices (3)
- FI 473 Internship in Finance (3)
- FI 475 Futures Seminar (3)



- FI 493 Independent Study in Finance (1-3)
- FI 540 International Finance (3)
- FI 568 Portfolio Seminar (3)

**Three of the above twelve hours may be from the following:**

- AC 321 Financial Acctg & Reporting I (3)
- AC 375 Financial Statement Analysis (3)
- EC 335 Money & Banking (3)
- EC 351 Applied Economic Models (3)
- EC 410 Macroeconomic Theory (3)

## **INTERNATIONAL BUSINESS**

### **18 Hour Major**

#### **INTERNATIONAL CORE COURSES:**

##### **Choose 9 Hours From:**

- AC 540\* International Accounting (3)
- BA 458 International Business Internship (3)
- BA 560\* International Business (3)
- EC 580\* International Economics (3)
- FI 540\* International Finance (3)
- MG 560\* International Management (3)
- MK 560\* International Marketing (3)

Required minor to be selected in any department in the Harrison College of Business (except "Business Administration" minor) or select a second major from the Harrison College of Business.

#### **FOREIGN LANGUAGE/ CULTURAL SUPPORT**

3 credit hours of University foreign language/culture instruction or equivalent (e.g., 2 years of high school language with a grade of 'C' or better) and a term of study abroad of at least 8 weeks

#### **OR**

12 credit hours of foreign language/culture instruction and an international immersion program less than 8 weeks in length

*\*If chosen for the IB major, cannot be used to fulfill International Business requirement for the BSBA core.*

## **MANAGEMENT**

### **24 Hour Major - No Minor Required**

*(Cannot double count elective choices in more than one option.)*

#### **Required Management Core Courses:**

- BA 361 Princ of Entrepreneurship (3)
- MG 356 Found of Human Resource Mgmt (3)
- MG 470 Leadership in Management (3)

#### **Real World Experience – Choose one option:**

Participate in departmentally approved international academic program (3)

#### **OR**

Complete departmentally approved internship (3)

### **Choose One 12 Hour Option:**

#### **ENTREPRENEURSHIP**

##### **Required Courses**

- BA 531 Imag, Creat & Innovation (3)
- BA 551 Manag & Grow New Ventures (3)
- BA 561 Bus Planning for New Ventures (3)

##### **Select 3 hours from the following:**

- FI 363 Entrepreneurial Finance (3)
- MG 354 Bus Negotiation: Conc/Pract (3)
- MG 456 Topics in Hum Res Mgmt (3)
- MG 462 Orgnz Theory & Design (3)
- MG 550 Improv Team Performance (3)
- MK 345 Intro to Bus Research (3)
- MK 555 Internet Marketing (3)

#### **HUMAN RESOURCE MANAGEMENT**

##### **Required Courses:**

- MG 526 Manag & Dev New Talent (3)
- MG 546 Acquiring & Compensating Talent (3)
- MG 566 Legal & Union Issues in HR (3)

##### **Choose 3 Hours From the Following:**

- BA 531 Imag, Creat & Innovation (3)
- EC 380 Labor Economics (3)
- MG 354 Bus Negotiation: Conc/Practice (3)
- MG 456 Topics in Human Resource Mgmt (3)
- MG 462 Orgnz Theory & Design (3)
- MG 550 Improv Team Performance (3)
- MK 341 Public Relations (3)

#### **MANAGEMENT**

##### **Required Courses:**

- MG 354 Bus Negotiation: Conc/Practice (3)
- MG 462 Org Theory & Design (3)
- MG 550 Improv Team Performance (3)

##### **Choose 3 hours from the following:**

- BA 531 Imag, Creat & Innovation (3)
- BA 561 Bus Planning for New Ventures (3)
- IM 411 Total Quality Assurance (3)
- MG 457 Organizational Behavior (3)
- MG 526 Manag & Dev New Talent (3)
- MG 560 International Management (3)\*
- MK 349 Retail Management (3)
- MK 447 Sales Management (3)

*\*If selected as elective, cannot also count for international course requirement for the BSBA degree.*

## **MARKETING**

### **24 Hour Major - No Minor Required**

#### **Required Marketing Core:**

- MK 343 Advertising & Promotion (3)
- MK 344 Consumer Behavior (3)
- MK 345 Intro to Business Research (3)
- MK 449 Marketing Management (3)

**Choose 3 Hours MK Courses (300-500 level except MK 301), MG 560\*, MK 560\*, BA 361 or BA560\* Real World Experience – Choose one option:**

Participate in departmentally approved international academic program

**OR**

Complete departmentally approved internship

**Choose One Option:**

**INTEGRATED MARKETING COMMUNICATIONS**

MK 342 Professional Selling (3)

MK 443 Integrated Mktg Comm Pract (3)

**Choose 3 Hours:**

MK 341 Public Relations (3)

MK 555 Internet Marketing (3)

**MARKETING MANAGEMENT**

MK 348 Product & Pricing Strategy (3)

**Choose 3 Hours MK Courses (300-500 level, except MK 301).** If MK 560 is selected here it cannot be used for the international course requirement for the BSBA nor the elective in the Marketing core.

**Choose 3 Hours:**

MK 346 Distribution Management (3)

MK 349 Retail Management (3)

**SALES MANAGEMENT**

MK 342 Professional Selling (3)

MK 447 Sales Management (3)

**Choose 3 Hours:**

MG 354 Bus Negotiation: Conc/Practice (3)

MG 470 Leadership in Management (3)

MG 550 Improving Team Performance (3)

*\*If selected as elective, cannot also count for international course requirement for the BSBA degree.*

**BACHELOR OF SCIENCE IN EDUCATION DEGREE**

For students planning to teach in early childhood, elementary, middle and secondary schools. Five programs are offered:

Early Childhood Education (birth-grade 3)

Elementary Education (grades 1-6)

Exceptional Child Education (grades K-12)

Middle School Education (grades 5-9)

Secondary Education (grades 9-12)

All majors in education must meet requirements for admission to Teacher Education as determined by the implementation of the MoSPE Standards which took effect in March 2013. Regardless of printed program requirements, any changes or additions mandated by the State of Missouri will become effective on the date cited by the regulations.

Students transferring into education programs must complete three semester hours of English Composition with grades of 'C' or better to meet certification requirements.

All teacher education candidates will submit an FBI background check during the first field experience in teacher education. This check will then provide the COE updated rapbacks should teacher candidates have a future event that is coded in to the FBI background check system.

**EARLY CHILDHOOD EDUCATION**

Students in Early Childhood (birth through third or birth through sixth) desiring to be admitted to and retained in the College of Education may not add a minor or specialization to this major without approval from the College of Education. Other minors which may extend one's graduation date or affect scholarship or financial assistance must be approved by the College of Education since unapproved minors do not extend one's certification. (Students in early childhood adding on elementary grades 1-6 do not need special approval.)

**Professional Education Requirements: 63 Hours**  
*(A minimum grade of "C" is required in each professional education course.)*

**BLOCK I: 5 Hours**

ED 250 Intro to Teaching (2)

PY/CF 120 The Child: Devel/Conception to Adolsc (3)

**BLOCK II: 17 Hours**

CE 340 Family/School Collaboration (3)

EF 304 School & Society (2)

EL 313 Children & the Arts (2)

EL 314 Elementary Field Experience (3)

EL 315 Theories of Learning & Management (2)

EL 316 Foundations of Reading Techniques (3)

EL 317 Foundations of Lang Arts Techniques (2)

**EARLY CHILDHOOD BLOCK: 15 Hours**

CE 330 Classroom Management (3)

CE 365 Connctg Assmt & Curric in Early Yrs (2)

CE 366 Devel Curric in Early Chldhd Educ (4)

CE 368 Early Childhood Field Experience (3)

CE 370 Lang Dvlpmnt of Young Child (3)

**BLOCK III: 14 Hours**

EL 350 Elementary Field Experience (3)

EL 351 Tech of Teaching Elem Science (2)

EL 352 Tech of Teaching Elem Social Studies (1)

EL 353 Tech of Teaching Elem Mathematics (2)

EL 354 Corrective Reading Instruction (3)

EX 390 Psych & Educ of the Except Child (3)

**BLOCK IV: 13 Hours**

- CE 499 Portfolio Review (0)
- CE 433 Student Tchng Early Childhood (1st) (6)
- CE 434 Student Tchng Early Childhood (2nd) (6)
- EF 400 Student Teaching Seminar (1)

**Additional Early Childhood Requirements: 16 Hours**

- BS 118 Intro Process Science Elem Teachers (1)
- CF 124 Child Health, Safety & Nutrition (3)
- CF 280 Learn Theory/Appl: Preschool (3)
- CF 285 Learn Theory/Appl: Infants & Toddlers (3)
- ED 251 Intro to Technology (2)
- MU 356 Music Skills/Classroom Teacher (1)

**Additional Requirements: 33 Hours**

*(Some courses may fulfill University Studies requirements)*

- BS 218 Biological Science: A Process Apprch (3)
- EC 101 Economic Problems & Policies (3)

**OR**

- EC 215 Principles of Microeconomics (3)

**OR**

- AG 201 World Food & Society (3)
- EL 274 Diversity in America's Schools (3)
- EN 140 Rhetoric & Critical Thinking (3)
- LI 243 Children's Literature (3)
- MA 118 Mathematics I (3)
- PH 218 Physical Science: A Process Approach (3)
- PS 103 U.S. Political Systems (3)
- SC 105 Fundamentals of Oral Communication (3)
- UI 318 Earth Science: A Process Approach (3)
- US 105 American History I (3)

**OR**

- US 107 American History II (3)

**ELEMENTARY EDUCATION**

Only approved areas of specializations as listed below will allow students to be admitted to and retained in the College of Education. Other minors which may extend one's graduation date or risk loss of scholarship or financial assistance must be approved by the College of Education since such minors do not extend one's certification.

In addition to other requirements, an Area of Specialization must be chosen from:

- Art Physical Education
- Foreign Languages Science
- Language & Literature Social Science
- Mathematics TESOL
- Music

**Professional Education Requirements: 47 Hours**

*(A minimum grade of "C" is required in each professional education course.)*

**BLOCK I: 5 Hours**

- ED 250 Intro to Teaching (2)
- PY/CF 120 The Child: Devel/Conception to Adolsc (3)

**BLOCK II: 14 Hours**

- EF 304 School & Society (2)
- EL 313 Children & the Arts (2)
- EL 314 Elementary Field Experience (3)
- EL 315 Theories of Learning & Management (2)
- EL 316 Foundations of Reading Techniques (3)
- EL 317 Foundations of Lang Arts Techniques (2)

**BLOCK III: 16 Hours**

- EL 350 Elementary Field Experience (3)
- EL 351 Tech of Teaching Elem Science (2)
- EL 352 Tech of Teaching Elem Social Studies (1)
- EL 353 Tech of Teaching Elem Mathematics (2)
- EL 354 Corrective Reading Instruction (3)
- EL 355 Reading: Study Strategies & Skills (2)
- EX 390 Psych & Educ of the Except Child (3)

**BLOCK IV: 14 Hours**

- EF 400 Student Teaching Seminar (1)
- EL 499 Portfolio Review (0)
- EL 453 Student Teaching Elementary (1st) (6)
- EL 454 Student Teaching Elementary (2nd) (6)

**Additional Elementary Requirements: 15 Hours**

- BS 118 Intro Process Science Elem Teachers (1)
- ED 251 Intro to Technology (2)
- EL 274 Diversity in America's Schools (3)
- HL 210 Health & Safety (2)
- MA 318 Math for Elementary Teachers II (3)
- MA 418 Geometry for Teachers (3)
- MU 356 Music Skills/Classroom Teacher (1)

**Additional Requirements: 33 Hours**

*(These courses may also meet University Studies requirements)*

- BS 218 Biological Science: A Process Apprch (3)
- EC 101 Economic Problems & Policies (3)
- EN 140 Rhetoric & Critical Thinking (3)
- LI 243 Children's Literature (3)
- MA 118 Mathematics I (3)
- PH 218 Physical Science: A Process Approach (3)
- PS 103 U.S. Political Systems (3)
- SC 105 Fundamentals of Oral Communication (3)
- UI 308 Physical/Cultural Landscapes of the World (3)
- UI 318 Earth Science: A Process Approach (3)
- US 105 American History I (3)

**OR**

- US 107 American History II (3)

## EXCEPTIONAL CHILD EDUCATION WITH ELEMENTARY CERTIFICATION

Students in this major must have a declared major in Exceptional Child with Elementary Certification in order to be admitted to and retained in the College of Education. Minors which may extend one's graduation date or affect scholarship or financial assistance must be approved by the College of Education since unapproved ones do not extend one's certification.

### Professional Education Requirements: 66 Hours

*(A minimum grade of "C" is required in each professional education course.)*

#### BLOCK I: 5 Hours

CF/PY 120 The Child (3)  
ED 250 Intro to Teaching (2)

#### BLOCK II: 16 Hours

EF 304 School & Society (2)  
EX 302 Language Devel of the Except Child (2)  
EL 313 Children & the Arts (2)  
EL 314 Elementary Field Experience (3)  
EL 315 Theories of Learning & Management (2)  
EL 316 Foundations of Reading Techniques (3)  
EL 317 Foundations of Lang Arts Techniques (2)

#### Exceptional Child Block: 18 Hours

EX 304 Behavior Management (3)  
EX 305 Teach Adolsec with Mild Disabilities (3)  
EX 309 Except Child Educ Field Experience (3)  
EX 312 Diag & Remed of L D in Math (3)  
EX 317 Assmt & Tech of Teaching Except Child (3)  
EX 373 Techniques of Cross Categorical (3)

#### BLOCK III: 16 Hours

EL 350 Elementary Field Experience (3)  
EL 351 Tech of Teaching Elem Science (2)  
EL 352 Tech of Teaching Elem Social Studies (1)  
EL 353 Tech of Teaching Elem Mathematics (2)  
EL 354 Corrective Reading Instruction (3)  
EL 355 Reading Study Strategies & Skills (2)  
EX 307 Parents & the Exception Child (3)

#### BLOCK IV: 15 Hours

EF 400 Student Teaching Seminar (1)  
EL 455 Student Teaching Elem (8)  
EX 471 Student Teaching CC (6)  
EX 499 Portfolio Review (0)

### Additional Exceptional Child Requirement: 15 Hours

EX 311 Intro to the Exceptional Child (3)  
EX 318 Intro to Cross Categorical (3)  
BS 118 Intro Process Science Elem Teachers (1)  
ED 251 Intro to Technology (2)  
EL 274 Diversity in America's Schools (3)  
HL 210 Health & Safety (2)

MU 356 Music Skills/Classroom Teacher (1)

### Additional Requirements: 39 Hours

*(Some courses may also meet University Studies requirements)*

BS 218 Biological Science: A Process Apprch (3)  
EC 101 Economic Problems and Policies (3)  
EN 140 Rhetoric & Critical Thinking (3)  
LI 243 Children's Literature (3)  
MA 118 Mathematics I (3)  
MA 318 Mathematics II (3)  
MA 418 Geometry for Teachers (3)  
PH 218 Physical Science: A Process Approach (3)  
PS 103 U.S. Political Systems (3)  
SC 105 Fundamentals of Oral Communication (3)  
UI 308 Physical & Cultural Landscapes (3)  
UI 318 Earth Science: A Process Approach (3)  
US 105 American History I (3)

#### OR

US 107 American History II (3)

## MIDDLE AND SECONDARY EDUCATION MIDDLE SCHOOL EDUCATION: Grades 5-9

### Middle School Professional Education Requirements: 43 Hours

Middle Level students must choose two subject area concentrations and take the following professional education courses:

*(A minimum grade of "C" is required in each professional education course.)*

#### BLOCK I:

ED 250 Intro to Teaching (2)  
ED 251 Intro to Technology (2)  
PY 222 Development of the Adolescent (3)

#### BLOCK II: 17 Hours

EF 304 School & Society (2)  
SE 275 Diversity in America's Schools (3)  
SE 301 Fundamentals of Middle School Education (3)  
SE 302 Teaching Reading & Writing in Mid School (3)  
SE 305 Secondary Block II Field Experience (2)  
SE 306 Theories of Learning & Management (2)  
SE 307 Teaching Reading/Secondary School (2)

#### BLOCK III: 13 Hours

EX 390 Psychology & Educ of Except Child (3)  
SE 300 Technology to Enhance Learning (2)  
SE3xx Special Subject Techniques Course (3)\*  
SE3xx Special Subject Techniques Course (3)\*  
SE 371 Middle Block III Field Experience – Language Arts (1)\*  
SE 372 Middle Block III Field Experience – Math (1)\*

- SE 373 Middle Block III Field Experience – Science (1)\*  
SE 374 Middle Block III Field Experience – Social Studies (1)\*

**BLOCK IV: 13 Hours**

- EF 400 Seminar/Educ Issues for Student Teachers (1)  
SE 463 Student Teaching Secondary (1st) (6)  
SE 464 Student Teaching Secondary (2nd) (6)

**Middle School Education - Choose One Option:**

**OPTION I:** Middle School Majors must choose two areas of concentration (total of 42-43 Hours) (See advisor for specific courses required in each option.)

- Language Arts (21)
- Mathematics (21)
- Science (23)
- Social Studies (21)

**OPTION II:** Secondary Education majoring in Language Arts, Mathematics, Science, or Social Studies can add a Middle School certification in the same content area.

*\*Middle level majors must choose two areas of concentration, which require two Techniques of Teaching courses and each Techniques course requires its own specialty SE37X Middle Block III Field Experience for a total of 2 hours of Block III field experience. Middle level majors must also complete all content requirements as needed.*

**SECONDARY EDUCATION**

Secondary level majors must choose from the following majors:

Agricultural Education	Mathematics Education
Art Education (K-12)	Music Education (K-12)
Biology Education	Physical Education (K-12)
Business Education	Physics Education
Chemistry Education	Social Studies Education
Engineering Technology Education	Spanish Education (K-12)
English Education	Unified Science: Biology
Family & Consumer Sciences (Birth-12)	Unified Science: Chemistry
French Education (K-12)	Unified Science: Physics
German Education (K-12)	

Certification programs are available in Speech and Language Specialist (K-12), and Teaching English as a Second Language (K-12; graduate program)..

A minimum grade of “C” is required in each professional education course. A minimum cumulative 2.5 GPA is required as well as a 2.5 in the content area. Some content areas may require a higher GPA; please see content GPA requirements.

**Secondary Professional Education Requirements: 37 Hours**

**BLOCK I:**

- ED 250 Intro to Teaching (2)  
ED 251 Intro to Technology (2)  
PY 222 Development of the Adolescent (3)\*

**BLOCK II: 14 Hours**

- EF 304 School & Society (2)  
SE 305 Secondary Block II Field Experience (2)  
SE 306 Theories of Learning & Management (2)  
SE 307 Teaching Reading/Secondary School (2)  
SE 308 Fund of High School Education (3)  
SE 275 Diversity in America’s Schools (3)

**BLOCK III: 10 Hours**

- EX 390 Psychology & Educ of Except Child (3)  
SE 300 Technology to Enhance Learning (2)  
SE xxx Special Subject Techniques Course (3)  
SE 370 Secondary Block III Field Experience (2)

**BLOCK IV: 13 Hours**

- EF 400 Seminar/Educ Issues for Student Teachers (1)  
SE 463 Student Teaching Secondary (1st) (6)  
SE 464 Student Teaching Secondary (2nd) (6)

**Additional Requirements – Middle School & Secondary Education: 12-18 hours**

*(\*These courses may meet University Studies requirements and must be completed with a minimum grade of “C”)*

- EN 140 Rhetoric & Critical Thinking (3)  
SC 105 Fundamentals of Oral Communication (3)  
Any BI/BS course in Living Systems (3)  
US 105 American History I (3)

**OR**

- US 107 American History II (3)  
PS 103 US Political Systems (3)  
SE 275 Diversity in America’s Schools (3)  
Any CH, PH, GO course

**OR**

- UI 373 Historical Geology (3-5)

**Secondary Level students only must also take:**

- MA 123 Survey of Mathematics (3)

**OR**

- MA 134 College Algebra (3)

**OR**

- MA 155 Statistical Reasoning (3)

**Middle Level students only must also take:**

- MA 118 Mathematics I (3)  
MA 318 Mathematics II (3)

## AGRICULTURAL EDUCATION

### 40 Hour Major - No Minor Required

*(A grade of 'C' or better is required in all courses within the major.)*

#### Required Courses:

- AD 101 Intro to Microcomputer Appl (3)
- AG 201 World Food & Society (3)
- AG 245 Agricultural Economics (3)
- AG 250 Agribusiness Management (3)
- AG 302 Agr Educ Planning (3)
- AG 303 Agricultural Mechanization (3)
- AG 334 Agribusiness Finance (3)
- AG 355 Agricultural Seminar (1)
- AG 447 Marketing Agric Products (3)
- AO 120 Plant Science (3)
- AO 215 Soils (3)
- AY 101 Animal Science (3)
- HO 110 Intro to Horticulture (3)
- UI 436 Agricultural Ethics (3)

#### Additional Requirements:

- CH 181 Basic Prin of Chem (5)

#### OR

- CH 185 General Chemistry (5)
- MA 134 College Algebra (3)

## ART EDUCATION

### 48 Hour Major - No Minor Required

*(A grade of 'C' or better is required in all courses within the major.)*

#### Required Courses:

- AH 110 Art History Survey I (3)
- AH 210 Art History Survey II (3)
- AH 3xx-5xx Art History (6)
- AR 001 Freshman Core Review (0)
- AR 100 Drawing I (3)
- AR 104 Design Foundations (3)
- AR 106 3D Foundations (3)
- AR 201 Color Composition (3)
- AR 202 Drawing II (3)
- AR 270 Art for the Elementary Teacher (3)
- AR 330 Fibers I (3)
- AR 332 Sculpture I (3)
- AR 342 Ceramics I (3)

#### Choose 3 Hours From:

- AR 320 Watermedia I (3)
- AR 325 Painting (3)

#### Choose 3 Hours From:

- AR 302 Printmaking (3)
- AR 303 Screenprinting (3)

- AR 501 Intaglio Printmaking (3)

- AR 502 Litho Printmaking (3)

### Choose 3-9 Hours Upper Division Art Electives

Two pieces of artwork must be entered in the juried student assessment exhibition each year.

## BIOLOGY EDUCATION

### 52-70 Hour Major - No Minor Required

#### Required Courses:

- BI 151 Biological Reasoning (3)
- BI 152 Intro to Scientific Investigation (1)
- BI 153 Intro to Organismal Biology (4)
- BI 154 Genetics and Cell Biology (4)
- BI 200 General Microbiology (3)
- BI 489 Analysis of Biological Issues (2)
- MA 133 Plane Trigonometry (3)
- MA 134 College Algebra (3)
- UI 422 Scientific Reasoning (3)

### 6 hours Biology electives – BI/BO/ZO 300 level or higher

#### Choose One Option:

#### BIOLOGY EDUCATION OPTION:

- BS105 Environmental Biology (3)

#### OR

- BI 332 General Ecology (3)
- BS 113 Anatomy & Physiology I (4)

#### AND

- BS 114 Anatomy & Physiology II (4)

#### OR

6 hours Biology electives – BI/BO/ZO 300 level or higher\*

- PH 106 Physical Concepts (3)

#### OR

- PH 120 Intro Physics I (5)

#### AND

- PH 121 Intro Physics II (5)
- CH 181 Basic Prin of Chemistry (5)

#### OR

- CH 185 General Chemistry (5)

#### AND

- CH 186 Found of Inorganic Chem (3)

#### Choose one of the following:

- GO 110 Physical Geology (3)
- GO 220 Meteorology (3)
- GO 320 Oceanography (3)
- UI 318 Earth Science: Proc Approach (3)

#### UNIFIED SCIENCE OPTION:

- BI 332 General Ecology (3)
- BS 113 Anatomy & Physiology I (4)
- BS 114 Anatomy & Physiology II (4)
- CH 185 General Chemistry (5)

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- CH 186 Found of Inorganic Chem (3)
- GO 110 Physical Geology (3)
- GO 220 Meteorology (3)
- GO 320 Oceanography (3)
- PH 120 Intro Physics I (5)
- PH 121 Intro Physics II (5)

*\*One course must be BO or ZO prefix if BS 113/BS 114 are not chosen*

## BUSINESS EDUCATION

### 36-39 Hour Major - No Minor Required

*(A grade of 'C' or better is required in all courses within the major.)*

- AC 221 Principles of Accounting I (3)
- AD 101 Intro to Microcomputer Appl (3)
- AD 337 Admin Systems Mgmt Internship (3)\*
- AD 527 Implementing Busn Educ (3)
- BL 255 Legal Environment of Business (3)
- FI 260 Personal Finance (3)
- GM 180 Intro to Graphics (3)
- IS 175 Comp Info Systems (3)

#### OR

- MI 375 Mgmt Info Systems (3)
- IS 275 Comp Info Systems II (3)
- IS 339 Network Support Syst (3)
- MG 252 Business Communication (3)
- MG 301 Principles of Management (3)
- MK 301 Principles of Marketing (3)

Keyboarding proficiency exam (0)

*\*May be waived if evidenced by 2000 hours office work experience*

## CHEMISTRY EDUCATION

### 60-76 Hour Major - No Minor Required

*(A grade of 'C' or better is required in all courses within the major.)*

#### Required Courses:

- CH 185 General Chemistry (5)
- CH 186 Found of Inorganic Chem (3)
- CH 187 Inorg Chem & Qual Analysis (2)
- CH 271 Found of Analy Chem (5)
- CH 311 Found of Phys Chem (4)
- CH 313 Physical Chem Lab (3)
- CH 341 Found of Organic Chem (4)
- CH 342 Organic Chemistry Lab I (1)
- PH 120 Introductory Physics I (5)

#### AND

- PH 121 Introductory Physics II (5)

#### OR

- PH 230 General Physics I (5)

#### AND

- PH 231 General Physics II (5)
- UI 331 Found of Biochemistry (3)
- UI 422 Scientific Reasoning (3)
- UI 443 Professional Exp in Chemistry (3)

#### Choose 3 Hours From:

- BS 108 Biology for Living (3)
- BS 218 Bio Science: A Process Approach (3)

#### Additional Requirements: 6 Hours

- MA 134 College Algebra (3)
- MA 139 Applied Calculus (3)

#### Choose one option:

#### CHEMISTRY EDUCATION OPTION:

##### Choose one of the following:

- GO 110 Physical Geology (3)
- GO 220 Meteorology (3)
- GO 320 Oceanography (3)
- UI 318 Earth Science: Process Approach (3)

##### Choose one of the following:

- BI 332 General Ecology (3)
- BS 105 Environmental Biology (3)
- CH 450/EV 450 Environmental Chem (3)
- GO 150 Earth Science: Environ Hazards (3)
- GO 305 Environmental Geoscience (3)
- UI 360 Recycling & Waste Management (3)
- UI 372 Earthquakes & Society (3)

#### UNIFIED SCIENCE OPTION:

- BO 200 Plant Biology (4)
- CH 450/EV 450 Environmental Chem (3)
- GO 110 Physical Geology (3)
- GO 220 Meteorology (3)
- GO 320 Oceanography (3)
- MA 133 Plane Trigonometry (3)
- ZO 200 Animal Biology (3)

## ENGINEERING TECHNOLOGY EDUCATION

### 36 Hour Major - No Minor Required

**15 hours of the major need to be 300-500 level courses**

*(A grade of 'C' or better is required in all courses within the major.)*

#### Required Courses:

- AG 303 Agricultural Mech (3)
- CM 126 Comp Aided Arch/Draft (3)
- CM 243 Construction Methods & Mats (3)
- ET 160 Basic Electricity & Electronics (3)
- IE 401 Technology Education Mgt (3)
- MN 120 Fund of Engr Design Processes (3)
- MN 170 Engr Materials & Testing (3)
- MN 203 Industrial Materials & Process I (3)

- PG 284 Photography Fundamentals (3)  
**Choose 9 Hours From:**  
 CM 226 Resid Arch Drft & Design (3)  
 CM 310 Construction Codes & Compliance (3)  
 CM 320 Construction Cost Estimating (3)  
 ET 245 Logic Circuits (3)  
 GM 180 Intro to Tech Graphics (3)  
 GM 200 Vector & Bitmapped Graphics for Ind (3)  
 IE 192 Select/Org of Subj Matter (3)  
 IE 193 Prin of Indus Tech Teaching (3)  
 IE 196 Found of Career & Tech Educ (3)  
 IE 197 Coord of Cooperative Educ (3)  
 IE 590 Assess in Career & Tech Educ (3)  
 MN 221 Solid Modeling & Rapid Prototyping (3)  
 MN 304 Industrial Materials & Processes II (3)  
 MN 324 Mechanical Design Processes (3)  
 MN 350 Machine Design (3)  
 MN 354 Computer Aided Manuf (3)  
 TN 255 Micro Maintenance & Troubleshooting (3)  
 TN 275 Network Fundamentals (3)  
 TN 375 Network Routing Protocols & Concepts (3)

## ENGLISH EDUCATION

### 36 Hour Major - No Minor Required

*(A grade of 'C' or better is required in all courses within the major.)*

#### Required Courses:

- EN 201 Writing About Literature (3)  
 EN 378 Grammars of English (3)  
 EN 379 Composition in the Secondary School (3)  
 LI 260 English Lit I (3)

#### OR

- LI 261 English Lit II (3)  
 LI 270 American Lit I (3)

#### OR

- LI 271 American Lit II (3)  
 LI 311 World Literature I (3)

#### OR

- LI 312 World Literature II (3)  
 LI 385 Literature in the Secondary School (3)  
 LI 542 Literature for Young Adults (3)

#### Language Elective (Choose 3 hours):

- EN 486 Sociolinguistics (3)  
 UI 500 History of English Language (3)  
 UI 501 Principles of Language (3)

#### Writing Elective (Choose 3 hours):

- EN 275 Intro to Creative Writing (3)  
 EN 376 Advanced Composition (3)

#### Upper Division Electives (Choose 6 hours):

- EN 300-EN 599 English elective  
 LI 300-LI 599 Literature elective

- UI 332 Images of Women in Literature (3)  
 UI 341 Victorian Studies (3)  
 UI 431 Shakespeare Trag & Hum Cond (3)  
 UI 432 Shakespeare Hist/Com & Hum Cond (3)

#### Additional Requirement:

- LI 256 Variety of Literature (3)

## FRENCH EDUCATION

### 36 Hour Major - No Minor Required

*(A grade of 'C' or better is required in all courses within the major.)*

#### Required Courses:

- FR 001 French Exit Exam (0)  
 FR 100 French Language & Culture I (3)  
 FR 120 French Language & Culture II (3)  
 FR 200 French Language & Culture III (3)  
 FR 220 French Literature (3)  
 FR 306 Contemporary France (3)  
 FR 320 French Pronunciation & Phonetics (3)

#### Choose 6 Hours From:

- FL 311 Survey of FR, GN & SN Lit (3)  
 FR 311 Survey of French Literature II (3)  
 FR 415 17th Century French Literature (3)  
 FR 430 20th Century French Literature (3)

#### Choose 6 Hours From:

- FR 301 Intermediate French Composition (3)  
 FR 305 Intermediate French Conversation (3)  
 FR 315 Commercial French (3)  
 FR 330 French Grammar (3)

#### Choose 6 Hours FL/FR Electives (300-500 level)

#### Additional Requirement:

#### Choose 3 Hours From:

- EH 103 European Civilization (3)  
 EH 366 Age of French Rev & Napoleon (3)  
 EH 370 Europe in the 20th Century (3)  
 EH 514 History of Modern France (3)  
 FL 205 Art of French Cinema (3)  
 GG 170 European Peoples & Civilization (3)  
 UI 362 Contemporary French Culture (3)  
 UI 375 European Film (3)

## GERMAN EDUCATION

### 36 Hour Major - No Minor Required

*(A grade of 'C' or better is required in all courses within the major.)*

#### Required Courses:

- GN 001 German Exit Exam (0)  
 GN 100 German Language & Culture I (3)  
 GN 120 German Language & Culture II (3)  
 GN 200 German Language & Culture III (3)  
 GN 220 German Literature (3)



GN 320 German Culture & Civilization (3)

**Choose 6 Hours From:**

FL 311 Survey of FR, GN & SN Lit (3)

GN 310 Survey of German Literature I (3)

GN 311 Survey of German Literature II (3)

GN 424 Twentieth-Century German Literature (3)

GN 440 Special Topics: German (3)

**Choose 6 Hours From:**

GN 301 Intermediate German Composition (3)

GN 305 Conversational German (3)

GN 315 Commercial German (3)

GN 330 German Grammar (3)

GN 340 German Phonetics & Pronunciation (3)

**Choose 9 Hours of FL/GN Electives (300-500 level)**

**Additional Requirement:**

**Choose 3 Hours From:**

AN 101 Observing Other Cultures (3)

AN 181 Intro to Cultural Anthropology (3)

AN 341 Intro to Linguistic Anthropology (3)

AN 390 European Prehistory (3)

EH 103 European Civilization (3)

EH 370 Europe in the 20th Century (3)

EH 516 History of Modern Germany (3)

EH 527 Intellectual History of Europe (3)

GG 170 European Peoples & Civilization (3)

UI 375 European Film (3)

**MATHEMATICS EDUCATION**

**43-44 Hour Major - No Minor Required**

*(A grade of 'C' or better is required in all courses within the major.)*

**Required Courses:**

MA 003 Math Major Field Achvmt Test (0)

CS 155 Computer Science I (4)

**OR**

CS 177 Program for Scientist & Eng (3)

**OR**

IS 130 Visual Basic (3)

MA 138 Discrete Mathematics I (3)

MA 140 Analytic Geometry & Calculus I (5)

MA 145 Analytic Geometry & Calculus II (4)

MA 223 Elem Probability & Statistics (3)

**OR**

MA 523 Probability & Statistics I (3)

MA 240 Analytic Geometry & Calculus III (3)

MA 250 Foundations of Mathematics (3)

MA 340 Concepts of Geometry (3)

MA 345 Linear Algebra (3)

MA 443 Elementary Number Theory (3)

MA 445 Modern Algebra (3)

MA 448 Mathematics Seminar (1)

UI 438 Nature & Growth of Mathematical Thought (3)

**Choose 3 Hours From:**

MA 523 Probability & Statistics I (3)

MA 540 Projective Geometry (3)

MA 545 Linear Algebra & Matrices (3)

MA 546 Advanced Calculus I (3)

**MIDDLE SCHOOL EDUCATION**

**(5-9 CERTIFICATE)**

**Choose One Option**

**OPTION I:** Two Areas of Concentration (42-43 Hours)

Language Arts (21)

Mathematics (21)

Science (23)

Social Studies (21)

**OPTION II:** Secondary Education majoring in Language Arts, Mathematics, Science, or Social Studies can add a Middle School certification in the same content area.

**PHYSICAL EDUCATION**

**(PK-12 CERTIFICATE)**

**49 Hour Major - No Minor Required**

*(A grade of 'C' or better is required in all courses within the major.)*

**Required Courses:**

BS 113 Anatomy & Physiology I (4)

HL 231 Fitness Conditioning (3)

PE 201 Sport & Society (3)

PE 216 Theory & Practice of Team Sports (2)

PE 217 Theory /Pract of Individ/Dual Leis Act (4)

PE 220 First Aid (2)

PE 235 Psych of Coaching & Human Perf (3)

PE 238 Foundations, Hist, Phil of PE (3)

PE 239 Teaching Children Physical Education (3)

PE 240 Rhythm, Plays & Games (2)

PE 305 Motor Development & Learning (3)

PE 310 Assmt for Physical Educators (3)

PE 315 Methods in Middle School PE (3)

PE 341 Physiology of Conditioning (3)

PE 408 Phys Educ for Individuals with Disabilities (3)

PE 464 Kinesiology (3)

**Choose One Hour From the Following:**

AT 103 Swimming (1)

AT 136 Walk/Jog for Fitness (1)

AT 142 Weight Training I (1)

AT 153 Angling, Archery & Firearms (1)

AT 164 Golf (1)

AT 176 Tennis (1)

- AT 192 Judo (1)  
 AT 198 Tae Kwon Do (1)

**Choose One Hour From the Following:**

- AT 130 Aerobics (1)  
 DA 130 Ballroom Dance (1)

**PHYSICS EDUCATION**

**57-73 Hour Major - No Minor Required**

*(A grade of 'C' or better is required in all courses within the major.)*

**Required Courses:**

- EP 100 Physic & Engr Concepts (1)  
 MA 140 Calculus I (5)  
 MA 145 Calculus II (4)  
 MA 240 Calculus III (3)  
 MA 245 Vector Calculus (2)  
 PH 230/030 General Physics I (5)  
 PH 231/031 General Physics II (5)  
 PH 341 Optics (3)  
 PH 345 Experimental Methods I (3)

**OR**

- UI 330 Experimental Methods I (3)  
 PH 360 Modern Physics (3)  
 PH 370 Mechanics (3)  
 PH 371 Electromagnetics (3)  
 UI 422 Scientific Reasoning (3)

**Choose 3 Hours From:**

- BI 332 General Ecology (3)  
 BS 105 Environmental Biology (3)  
 GO 305 Environmental Geoscience (3)  
 UI 360 Recycling & Waste Mgt (3)  
 UI 372 Earthquakes & Society (3)

**Choose one option:**

**PHYSICS EDUCATION OPTION:**

- CH 181 Introductory Chemistry I (5)

**OR**

- CH 185 General Chemistry (5)

**AND**

- CH 186 Found of Inorganic Chem (3)

**Choose 3 Hours From:**

- BS 108 Biology for Living (3)  
 BS 218 Bio Science: A Process Approach (3)  
 BO 200 Plant Biology (4)  
 ZO 200 Animal Biology (3)

**Choose 3 Hours From:**

- GO 110 Physical Geology (3)  
 GO 220 Meteorology (3)  
 GO 320 Oceanography (3)  
 UI 318 Earth Sci: A Process Approach (3)

**UNIFIED SCIENCE OPTION:**

- CH 185 General Chemistry (5)

- CH 186 Found of Inorganic Chem (3)  
 BO 200 Plant Biology (4)  
 GO 110 Physical Geology (3)  
 GO 220 Meteorology (3)  
 GO 320 Oceanography (3)  
 ZO 200 Animal Biology (3)

**Choose 3-4 Hours From:**

- BS 108 Biology for Living (3)  
 BS 218 Bio Science: A Process Approach (3)

**SOCIAL STUDIES EDUCATION**

**54 hour major – No minor required**

*(A grade of 'C' or better is required in all courses within the major.)*

**Required courses:**

- AN 181 Intro to Cultural Anthropology (3)  
 EC 101 Economic Problems and Policies (3)  
 GG 150 Peoples and Places of the World (3)

**OR**

- UI 308 Cult & Phy Landscapes of the World (3)  
 EH 101 Early European Civ (3)  
 EH 103 Modern European Civ (3)  
 GH 315 Historiography (3)  
 PS 103 U.S. Political Systems (3)  
 PY 102 Introduction to Psychology (3)

**OR**

- PY 101 Psych Persp on Human Behr (3)  
 SS 200 Intro to Tchng Social Studies/Sec Schl (3)  
 SS 300 Constr Curr/Sec Social Studies (3)  
 US 105 American History I (3)  
 US 107 American History II (3)  
 WH 305 World Civilizations (3)

**Choose 6 hours from:**

**Any US history courses (300-599) (3)**

- UI 313 The African American Experience (3)  
 UI 414 The American Temper (3)  
 UI 446 The Civil Rights Movement (3)  
 UI 457 African American Slavery (3)

**Choose 3 hours from:**

- Any EH course (300-599) (3)

**Choose 3 hours from:**

- Any WH course (3)  
 UI 350 Middle East Politics (3)

**Choose 3 hours from:**

- PS 310 Govt & Politics of the Am States (3)  
 PS 335 American Foreign Policy (3)  
 PS 360 Political Parties & Voting Behrs (3)  
 PS 365 Legislative Process (3)  
 PS 390 American Judicial System (3)  
 PS 490 Constitutional Law (3)  
 UI 357 Early American Political Thought (3)

## SPANISH EDUCATION

### 36 Hour Major - No Minor Required

(A grade of 'C' or better is required in all courses within the major.)

#### Required Courses:

- SN 001 Spanish Exit Exam (0)
- SN 100 Spanish Language & Culture I (3)
- SN 120 Spanish Language & Culture II (3)
- SN 200 Spanish Language & Culture III (3)
- SN 220 Hispanic Literature (3)
- SN 300 Spanish American Culture (3)
- SN 306 Civilization of Spain (3)

#### Choose 6 Hours From:

- FL 311 Survey of FR, GN & SN Lit (3)
- SN 403 Survey of Spanish Literature I (3)
- SN 404 Survey of Spanish Literature II (3)
- SN 430 Spanish American Literature I (3)
- SN 435 Spanish American Literature II (3)

#### Choose 6 Hours From:

- SN 301 Intermediate Spanish Composition (3)
- SN 305 Intermediate Spanish Conversation (3)
- SN 316 Commercial Spanish (3)
- SN 330 Spanish Grammar (3)

#### Choose 6 Hours FL/SN Electives (300-500 level)

#### Additional Requirement:

#### Choose 3 Hours From:

- AN 101 Observing Other Cultures (3)
- AN 181 Intro to Cultural Anthropology (3)
- AN 341 Intro to Linguistic Anthropology (3)
- AN 360 Ancient Civ of Meso-America (3)
- EH 370 Europe in the 20th Century (3)
- WH 125 Islamic Civilization (3)
- WH 130 Latin American Civilization (3)
- UI 375 European Film (3)
- WH 520 Latin America Colonial History (3)
- WH 524 Hist of Mexico Since 1810 (3)

## BACHELOR OF SCIENCE IN FAMILY AND CONSUMER SCIENCES EDUCATION DEGREE

For students planning to teach occupational family and consumer sciences or consumer homemaking in junior high or secondary schools.

A minimum grade of "C" is required in each course in the content major and in each professional education course.

## FAMILY AND CONSUMER SCIENCES EDUCATION

### 30 Hour Major - No Minor Required

#### Required Courses:

- CF 102 Relationships in the 21st Century (3)
- CF 120 The Child: Devel/Conception to Adolsc (3)
- CF 209 Intro to Family Systems (3)
- CF 430 Parent Child Interaction (3)
- CT 230 Apparel Analysis (3)
- FE 200 Family Resource Management (3)
- FN 205 Selection & Preparation of Foods (3)
- FN 235 Nutrition for Health (3)

#### Choose 3 hours from:

- CF 402 Marriage Interaction (3)
- PY 325 Psych Devlpmnt of the Family (3)

#### Additional Elective Hours Approved by Advisor (3)

#### Professional Education Requirements: 41 Hours

##### Block I: 4 Hours

- ED 250 Intro to Teaching (2)
- ED 251 Intro to Teaching (2)

##### Block II: 14 Hours

- EF 304 School & Society (2)
- SE 305 Secondary Block II Field Experience (2)
- SE 306 Theories of Learning & Management (2)
- SE 307 Teaching Reading/Secondary School (2)
- SE 308 Fund of High School Education (3)
- SE 275 Diversity in America's Schools (3)

##### Block III: 10 Hours

- EX 390 Psych & Education of Excep Child (3)
- SE 300 Technology to Enhance Learning (2)
- SE 312 Tech of Tchng Vocational Home Econ (3)
- SE 370 Secondary Block III Field Experience (2)

##### Block IV: 13 Hours

- EF 400 Seminar/Educ Issues for Student Teachers (1)
- SE 463 Student Teaching Secondary (1st) (6)
- SE 464 Student Teaching Secondary (2nd) (6)

#### Additional requirements: 24-28 hours

(These courses may meet University Studies requirements and must be completed with a minimum grade of "C")

- EN 140 Rhetoric & Critical Thinking (3)
- PY 222 Development of the Adolescent (3)
- SC 105 Fundamentals of Oral Communication (3)

#### Any BI/BS course (3)

- US105 American History I (3)

#### OR

- US107 American History II (3)
- PS103 US Political Systems (3)
- Any CH, PH, GO course (3-5)

#### OR

- UI373 Historical Geology (3)

## **BACHELOR OF MUSIC EDUCATION DEGREE**

For students planning to teach elementary or secondary school music.

### **MUSIC EDUCATION**

#### **65-66 Hour Major - No Minor Required**

A minimum grade of "C" is required in each course in the content major and in each professional education course.

#### **Required Courses:**

- ME 001 Senior Recital (0)
  - ME 450 Synth of Mus Ed Method (2)
  - MM 101 Theories of Music in Culture (3)
  - MM 102 Basic Harmony & Form (3)
  - MM 105 Aural Skills I (1)
  - MM 106 Aural Skills II (1)
  - MM 203 Adv Harmony, Form & Counterpoint (3)
  - MM 204 Twentieth Century Techniques (3)
  - MM 207 Aural Skills III (1)
  - MM 208 Aural Skills IV (1)
  - MH 251 History & Lit of Music to 1827 (3)
  - MH 252 Evolution of Musical Style Since 1827 (3)
  - MP 1xx Applied Music (1+1)
  - MP 2xx Applied Music (1+1)
  - MP 3xx Applied Music (1+1)
  - MP 4xx Applied Music (1)
  - MU 001 Piano Proficiency (0)
  - MU 002 Sophomore Review (0)
  - MU 110 Recitals & Concerts (seven semesters) (0)
  - MU 151 Functional Piano I (1)
  - MU 152 Functional Piano II (1)
  - MU 253 Functional Piano III (1)
  - MU 254 Functional Piano IV (1)
  - MU 341 Basic Conducting (2)
  - UI 310 American Musical Experience (3)
  - UI 402 Music in World Cultures (3)
- Choose three hours from:**
- UI 315 Electronics & Computers in Music (3)
  - UI 392 The Age of Romanticism (3)
  - UI 393 The Age of Modernism (3)
  - UI 394 Music & Culture: 1600-1750 (3)
  - UI 396 The Age of Beethoven (3)
  - UI 397 Music in Medieval & Renaissance Culture (3)

#### **Choose One Option:**

#### **INSTRUMENTAL (20 Hours)**

- ME 250 Trumpet & Horn Techniques (1)
- ME 251 Trombone/Euphonium/Tuba Tech (1)
- ME 252 Flute & Double Reed Techniques (1)
- ME 253 Single Reed Techniques (1)

- ME 260 String Techniques (2)
- ME 261 Percussion Techniques (2)
- ME 400 Marching Band Techniques (1)
- MU 220 Class Voice (2)
- MU 344 Conducting/ Wind Lit (2)
- MU 3xx Instrumental Ensemble (7)

#### **VOCAL (18 Hours)**

- ME 443 Choral Literature (2)
- ME 473 Tech of Teaching Choral Lit (2)
- MP 211 Applied Piano (1+1)
- MU 123 Singer's Diction I (1)
- MU 124 Singer's Diction II (1)
- MU 343 Conducting/Choral Lit (2)
- MU 3xx Choral Ensemble (7)
- MU 424 Vocal Pedagogy (2)

#### **OR**

- MU 430 Pedagogy: Applied Area (2)

#### **Professional Music Education Requirements:**

#### **Instrumental & Vocal - 45 Hours**

##### **Block I: 7 Hours**

- ED 251 Intro to Technology (2)
- ME 222 Principles of Teaching Music (2)
- PY 222 Development of the Adolescent (3)

##### **Block II: 16 Hours**

- EF 304 School & Society (2)
- ME 270 Field Experience Block II (3)
- ME 271 Theories/Learning & Management (2)
- ME 272 Techniques/Teaching Reading in Music (2)
- ME 371 General Music Methods: Elem & Sec (4)
- SE 275 Diversity in America's Schools (3)

##### **Block III: 9 Hours**

- EX 390 Psychology & Educ of the Excep Child (3)
- ME 370 Field Experience Block III (1)
- ME 372 Instrumental Techniques: Elem & Sec (3)

#### **OR**

- ME 373 Choral Techniques: Elem & Sec (3)
- SE 300 Technology to Enhance Education (2)

##### **Block IV: 13 Hours**

- EF 400 Seminar/Educ Issues for Student Teachers (1)
- SE 463 Student Teaching Experience I (6)
- SE 464 Student Teaching Experience II (6)

#### **Additional requirements: 12-18 hours**

*(These courses may meet University Studies requirements and must be completed with a minimum grade of "C")*

- EN 140 Rhetoric & Critical Thinking (3)
- PY 222 Development of the Adolescent (3)
- SC 105 Fundamentals of Oral Communication (3)
- Any BI/BS course (3)

- US105 American History I (3)

#### **OR**

- US107 American History II (3)

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PS 103 US Political Systems (3)  
Any CH, PH, GO course (3-5)

**OR**

UI 373 Historical Geology (3)

## **BACHELOR OF MUSIC DEGREE**

Designed for students with an interest in professional careers in music.

### **MUSIC**

#### **76-82 Hour Major - No Minor Required**

*(A grade of 'C' or better is required for all courses within the major.)*

#### **Required Courses:**

MH 251 Hist & Lit of Music to 1827 (3)  
MH 252 Hist & Lit of Music from 1827 (3)  
MM 101 Theories of Music in Culture (3)  
MM 102 Basic Harmony & Form (3)  
MM 105 Aural Skills I (1)  
MM 106 Aural Skills II (1)  
MM 203 Adv Harmony, Form & Counterpoint (3)  
MM 204 Twentieth Century Techniques (3)  
MM 207 Aural Skills III (1)  
MM 208 Aural Skills IV (1)  
MU 001 Piano Proficiency (0)  
MU 002 Sophomore Review (0)  
MU 110 Recitals & Concerts (0)  
MU 151 Functional Piano I (1)  
MU 152 Functional Piano II (1)  
MU 253 Functional Piano III (1)  
MU 254 Functional Piano IV (1)  
MU 300 Junior Recital (1)  
MU 341 Basic Conducting (2)  
MU 400 Senior Recital (2)  
UI 310 American Musical Experience (3)  
UI 402 Music in World Cultures (3)

#### **Choose 3 Hours From:**

UI 315 Electronics & Computers in Music (3)  
UI 392 The Age of Romanticism  
UI 393 The Age of Modernism (3)  
UI 394 Music & Culture: 1600-1750 (3)  
UI 396 The Age of Beethoven (3)  
UI 397 Music in Medieval & Renaissance Culture (3)

#### **Choose One Option:**

#### **COMPOSITION (42 Hours)**

MP 197 Applied Music: Composition (2)  
MP 298 Applied Music: Composition (4)  
MP 399 Applied Music: Composition (6)  
MP 499 Applied Music: Composition (6)  
MP 4xx Applied Music: Piano (2)

MU 430 Pedagogy: Applied Area (2)  
MU 432 Literature: Applied Area (2)  
MU xxx Major Ensemble (8)  
MU xxx Music Electives MU 299 or above (8)

#### **INSTRUMENTAL PERFORMANCE (36 Hours)**

MP 1xx Applied Music: Instrumental (1+1)  
MP 2xx Applied Music: Instrumental (2+2)  
MP 3xx Applied Music: Instrumental (3+3)  
MP 4xx Applied Music: Instrumental (3+3)  
MU 299 Chamber Music (4)  
MU 3xx Instrumental Ensemble (8)  
MU 430 Pedagogy: Applied Area (2)  
MU 432 Literature: Applied Area (2)  
MU xxx Music Electives MU 300 or above (2)

#### **VOCAL PERFORMANCE (38 Hours)**

MP 101 Applied Music: Voice (1+1)  
MP 202 Applied Music: Voice (2+2)  
MP 303 Applied Music: Voice (3+3)  
MP 403 Applied Music: Voice (3+3)  
MU 123 Singer's Diction I (1)  
MU 124 Singer's Diction II (1)  
MU 3xx Vocal Ensemble (8)  
MU 424 Vocal Pedagogy (2)

**OR**

MU 430 Pedagogy: Applied Area (2)  
MU 432 Literature: Applied Area (2)  
MU xxx Music Elective MU 299 or above (6)

## **BACHELOR OF SCIENCE IN NURSING**

The Bachelor of Science in Nursing (BSN) degree may be taken as a (1) professional program in nursing that prepares graduates to meet all requirements for making application to the Missouri State (or other state) Board of Nursing to write the national examination for licensure as a registered nurse (RN) and (2) baccalaureate completion (RN-BSN) program in nursing after licensure as a registered nurse.

See Admission to Nursing Programs criteria under Admissions, page 12. To be retained in the nursing program students must maintain at least a cumulative GPA of 2.0 in academic work at the University. When a student is enrolled in NC and NS prefix courses with the same course number, both courses must be successfully completed in order for the student to continue in the program.

Students who receive a grade below a 'C' in any NS prefix course or an 'F' in any NC prefix course are not eligible to continue in the program, and must apply for readmission to the Department of Nursing Student Affairs Committee. Any student with a second failure in any NC or NS course is not eligible for readmission.

See BSN Student Handbook for specific instructions for retaking an NC or NS prefix course or contact the Department of Nursing.

## **NURSING**

### **59 Hour Major - No Minor Required**

*(A grade of 'C' or better is required in all courses within the major.)*

#### **Required Courses (BSN):**

- NC 371 Fundamentals of Nursing Clinical (3)
- NC 372 Nursing Assessment Clinical (1)
- NC 387 Adult Health I Clinical (2)
- NC 388 Maternal-Newborn Nursing Clinical (1)
- NC 389 Mental Health Nursing Clinical (1)
- NC 487 Adult Health II Clinical (2)
- NC 488 Pediatric Nursing Clinical (1)
- NC 489 Nursing of the Elderly Clinical (1)
- NC 491 Transitions in Nursing Clinical (2)
- NC 492 Community Health Nursing Clinical (2)
- NC 498 Nursing Practicum Clinical (3)
- NS 371 Fundamentals of Nursing (3)
- NS 372 Nursing Assessment (2)
- NS 373 Pharmacology (3)
- NS 374 Pathophysiology (3)
- NS 381 Nursing Research (2)
- NS 387 Adult Health I (3)
- NS 388 Maternal-Newborn Nursing (3)
- NS 389 Mental Health Nursing (3)
- NS 487 Adult Health II (3)
- NS 488 Pediatric Nursing (3)
- NS 489 Nursing of the Elderly (3)
- NS 491 Transitions in Nursing (3)
- NS 492 Community Health Nursing (3)
- NS 498 Nursing Practicum (1)
- NS 499 NCLEX Prep (2)

#### **Required Support Courses:**

*(Some courses may fulfill University Studies requirements. A grade of 'C' or better is required in each support course.)*

- BS 113 Anatomy & Physiology I (4)
- BS 114 Anatomy & Physiology II (4)
- BS 240 Microorg/Human Hosts (3)
- CH 180 Chemistry in Our World (3)
- FN 235 Nutrition for Health (3)\*
- PY 220 Psych Dev Across Lifespan (3)
- UI 412 American Health Care System (3)
- xx xxx Statistics (3)

#### **Required Nursing Courses (RN-BSN):**

- NS 380 Holistic Assessment & Diagnosis (4)
- NS 385 Research in Professional Practice (2)

- NS 386 Prof Practice: Community Health Nrsng (6)
- NS 390 Framework for Professional Nursing (4)
- NS 480 Prof Practice: Leadership & Mgmt (6)
- NS 483 Prof Practice: Care of the Frail Elderly (2)

For required support courses and advanced placement credit information, contact the Department of Nursing.

*\*RN-BSN students may take any Living Systems course.*

## **ASSOCIATE DEGREES**

The following statements pertain to all associate degrees:

- A minimum of 20 hours must be completed in residence at Southeast.
- 15 of the final 30 credits earned for an associate's degree that the institution awards must be earned at Southeast.
- The student's last term must be completed in residence at Southeast, except that, in the case where six or fewer hours are needed to meet the total number of hours required for graduation, they may be taken from another accredited college or university, or by correspondence or extension, subject to the rules governing extension courses and transfer of credit.
- A minimum cumulative GPA of 2.0 is required for graduation.
- A minimum 2.0 GPA for all of the degree credit attempted at Southeast is required in the major and overall.
- The student must pass EN 099 and MA 102; or score at the appropriate levels on placement tests to have the courses waived.
- Additionally, the following statements pertain to all associate of arts degrees:
- A minimum of 64 hours of degree credit (courses numbered 100-599) is required for graduation.

The University Studies Program, consisting of at least 21 hours, is required.

## **ASSOCIATE OF ARTS IN CHILD CARE AND GUIDANCE**

Granted upon completion of a two-year program in human environmental studies and related disciplines.

<b>Minimum Degree requirements</b>	<b>72 Hours</b>
<b>Required Courses</b>	<b>39 Hours</b>
<b>Additional Requirements</b>	<b>33 Hours</b>

**Required Courses:**

- CF 102 Relationships in the 21st Century (3)
- CF 120 The Child: Dev/Concept to Adolsc (3)
- CF 124 Hlth/Nutr/Safety Child (3)
- CF 200 Constructive Guidance & Discipline (3)
- CF 209 Intro to Family Systems (3)
- CF 215 Observ: Perception & Process (3)
- CF 233 Creative Thought & Express in Children (3)
- CF 250 Family Child Care: Feasibility Mgmt (3)
- CF 280 Learning Theory/App: Preschool (3)
- CF 285 Learn Theory/App: Infants & Toddlers (3)
- CF 300 Parent Education (3)
- CF 310 School Age Child Care (3)
- EX 390 Psych & Educ of the Except Child (3)

**Additional Requirements:**

- BS 103 Human Biology (3)\*
- EN 100 English Composition I (3)\*
- EN 140 Rhetoric & Critical Thinking (3)\*
- FE 200 Family Financial Mgmt (3)\*
- LI 243 Children's Literature (3)\*
- MA 118 Mathematics I (3)\*
- PH 218 Physical Science: A Process Approach (3)\*
- PS 103 U.S. Political Systems (3)\*
- SW 121 Helping Skills for Human Services (3)\*
- US 105 American History I (3)\*

**OR**

- US 107 American History II (3)\*
- UI 100 First Year Experience (3)

*\*Fulfills University Studies requirement*

**NOTE:** MA 102 Intermediate Algebra is required unless waived by appropriate score on ACT Math subtest.

**ASSOCIATE OF APPLIED SCIENCE IN COMPUTER TECHNOLOGY**

The purpose of the program is to prepare individuals for entry-level positions in industry.

**68-70 Hours Required**

**Core Requirements: 35-37 Hours**

- EN 100 English Composition I (3)
- OR**
- EN 140 Rhetoric & Critical Thinking (3)
  - IM 102 Technical Communications (3)
  - IM 301 Industrial Safety Supervision (3)
  - IM 419 Industrial Supervision (3)
  - MA 133 Plane Trigonometry (3)
  - MA 134 College Algebra (3)
  - MN 260 Tech Computer Programming (3)
  - PH 120 Introductory Physics I (5)\*

**OR**

- PH 106 Physical Concepts (3)\*

- PH 121 Introductory Physics II (5)

**OR**

- CH 181 Basic Principles of Chemistry (5)\*
- PS 103 U.S. Political Systems (3)
- SC 105 Fund of Oral Communications (3)

*\*PH 120 required for Automated Manufacturing and Microcomputer Systems Options. PH 121 required for Microcomputer Systems Option.*

**Choose One 33 Hour Option:**

**AUTOMATED MANUFACTURING**

- ET 160 Basic Electricity & Electronics (3)
- ET 304 Intro to PLCs (3)
- IM 311 Statistical Process Control (3)
- MN 120 Fund of Engr Design Processes (3)
- MN 170 Industrial Materials & Testing (3)
- MN 203 Industrial Materials & Processes I (3)
- MN 221 Solid Modeling & Rapid Prototyping (3)
- MN 304 Industrial Materials & Processes II (3)
- MN 324 Mechanical Design Processes (3)
- MN 356 Robotics (3)
- MN 412 Advanced Manufacturing System (3)

**MICROCOMPUTER SYSTEMS**

- ET 160 Basic Electricity & Electronics (3)
- ET 245 Logic Circuits (3)
- IM 317 Industrial Internship (3)

**OR**

- CY 201 Intro to Cybersecurity (3)
- TN 254 Fiber Optics & Network Comm (3)
- TN 255 Microcomputer Maint & Trblshtng (3)
- TN 275 Network Fundamentals (3)
- TN 375 Network Routing Protocols & Concepts(3)
- TN 395 Server Maint & Trblshtng (3)
- TN 425 Wireless Comm & Mobile Data Networks (3)
- TN 435 Network Security (3)
- TN 563 LAN Switching (3)

**TECHNICAL COMPUTER GRAPHICS**

- GM 180 Intro to Technical Graphics (3)
- GM 200 Vector& Bitmapped Graphics for Industry (3)
- GM 282 Vector Graphics (3)
- GM 320 Graphic User Interface Design (3)
- GM 380 3D Modeling & Animation Prod (3)
- GM 385 HD Video for Multimedia (3)
- GM 386 Interactive Multimedia & Animation (3)
- GM 490 Advanced Graphics Projects (3)
- PG 284 Photography Fundamentals (3)
- PG 285 Commercial Photographic Lighting (3)
- TN 254 Fiber Optics & Network Comm (3)

**OR**

- TN 255 Microcomputer Maint & Troubleshooting (3)

## **PRE-PROFESSIONAL PROGRAMS**

Pre-professional programs available at the University include pre-architecture, pre-chiropractic, pre-dental, pre-engineering, pre-law, pre-medical, pre-optometry, pre-pharmaceutical, pre-physical therapy and pre-veterinary.

### **Pre-Architecture Curriculum**

The purpose of the one-year pre-professional program is to provide preparatory educational experiences for those seeking to transfer to another university for the completion of a professionally accredited degree in architecture, interior architecture or landscape architecture. The coursework provides an important opportunity for students to explore their interests and level of commitment before applying to an architecture school. The courses are meant as a foundation for students interested in an architecture program. Students will need to work closely with the school in which they plan to transfer to ensure optimal transferability of coursework. (Students who decide not to transfer could apply some courses from the pre-architecture curriculum to the Technology Management: Construction Management and Design option.)

### **Pre-Chiropractic Curriculum**

It is possible to gain preparation for chiropractic school while pursuing any academic major in the university. The Biology: Biomedical Sciences option is designed specifically for students in the pre-health professions. However, students in other majors may choose pre-chiropractic as a second major, with the understanding this does not lead to a 4 year degree. The pre-chiropractic curriculum contains a preponderance of biology and chemistry coursework required by chiropractic schools. Students should see the pre-chiropractic advisor during their first semester at Southeast. There are not a large number of chiropractic schools in the United States and students should obtain the admission requirements from the schools to which they plan to apply. This information will be used to plan the student's academic program in consultation with the pre-chiropractic advisor in the Department of Biology.

Southeast Missouri State University has entered into an agreement with Logan College of Chiropractic. It is a 3+3 program in which a student completes three years of coursework at Southeast, and then begins coursework at Logan. After the first year at Logan a

bachelor's degree is awarded by Southeast and upon completion of the three years at Logan a Doctor of Chiropractic Medicine is awarded.

### **Pre-Dental Curriculum**

It is possible to gain preparation for dental school while pursuing any academic major in the university. The Biology: Biomedical Sciences option is designed specifically for students in the pre-health professions. However, students in other majors may choose pre-dental as a second major, with the understanding this does not lead to a 4 year degree. The pre-dental curriculum contains a preponderance of biology and chemistry coursework required by medical schools and preparation for the DAT. Students should see the pre-dental advisor during their first semester at Southeast. There are 54 dental schools in United States and the entrance requirements are quite similar, however there are slight variations. Planning for the variety of requirements is done in consultation with the pre-dental advisor in the Department of Biology.

### **Pre-Engineering Curriculum**

The two-year pre-engineering curriculum is designed so that students can receive a degree from an engineering school after an additional two years of study. The curriculum is closely articulated with programs at Missouri University of Science & Technology in Rolla, MO. Transfer brochures have been prepared in cooperation with the university and are available to students. Students planning to attend another engineering school should consult the catalog from that institution and arrange their programs with a pre-engineering advisor.

Students expecting to enroll in the pre-engineering program should have a mathematics background in high school of at least one year of geometry, two years of algebra, and one year of pre-calculus mathematics which includes trigonometry. If these requirements are not met it will be necessary to correct any deficiencies upon entering the University which may delay graduation.

Students should complete from 64 to 68 credit hours prior to transferring if they expect to complete an engineering degree in four years. This includes not only required courses in mathematics, physics, and engineering, but also courses in the humanities and the social sciences. Students who maintain a high academic standing will be eligible for transfer scholarships. An advisor in the Department of Physics and Engineering Physics should be consulted for details regarding the pre-engineering program.



## **Pre-Law Curriculum**

Students interested in attending law school after graduation should understand that there is no single pre-law curriculum. Rigidly structured “pre-law majors” are in fact strongly discouraged by schools of law. A wide variety of undergraduate majors are suitable as law school preparation, provided that they have a strong academic content. Courses that develop a student’s ability to think logically and to express thoughts lucidly in written form are strongly suggested.

While there is no specific “pre-law major”, the Department of Political Science, Philosophy, and Religion provides pre-law advising to those students, regardless of actual major, who are considering a career in law. Such advising includes recommending to students various schools of law which may be most appropriate for them, assisting students with the law school application process (including the Law School Admission Test), and recommending undergraduate preparation for the subsequent law school experience.

## **Pre-Medical Curriculum**

It is possible to gain preparation for medical school while pursuing any academic major in the university. The Biology: Biomedical Sciences option is designed specifically for students in the pre-health professions. However, students in other majors may choose pre-medicine as a second major, with the understanding this does not lead to a 4 year degree. The pre-medicine curriculum contains a preponderance of biology and chemistry coursework required by medical schools and preparation for the MCAT. Students should see the premedical advisor during their first semester at Southeast. There are more than 120 M.D. schools and 20 D.O. schools in United States and the entrance requirements are quite similar, however there are slight variations. Planning for the variety of requirements is done in consultation with a pre-medicine advisor in the Department of Biology.

## **Pre-Optometry Curriculum**

It is possible to gain preparation for optometry school while pursuing any academic major in the university. The Biology: Biomedical Sciences option is designed specifically for students in the pre-health professions. However, students in other majors may choose pre-optometry as a second major, with the understanding this does not lead to a 4 year degree. The pre-optometry curriculum contains a preponderance of

biology and chemistry coursework required by medical schools and preparation for the OAT. Students should see the pre-optometry advisor during their first semester at Southeast. There are only 17 optometry schools in United States and the entrance requirements are quite similar, however there are slight variations. Planning for the variety of requirements is done in consultation with the pre-optometry advisor in the Department of Biology.

## **Pre-Pharmacy Curriculum**

Since there are more than 70 schools of pharmacy in the United States, pre-pharmacy should be advised according to the bulletin(s) of the school(s) to which the student is considering transfer. While each program is unique, most programs are either one or two years in length, and usually require chemistry, biology, physics, mathematics, and English, in addition to certain specified courses in other fields. Students interested in pre-pharmacy should contact Dr. Philip Crawford, the chairperson of the Department of Chemistry, as early as possible in the enrollment process.

## **Pre-Physical Therapy Curriculum**

Physical therapy programs require completion of a bachelor’s degree prior to admission. Students preparing for application to such programs must declare a major at Southeast in addition to declaring pre-physical therapy. Health Management, Biology, Chemistry, Recreation and Human Environmental Studies/Dietetics option majors are particularly complementary to physical therapy preparation as they include many of the courses that physical therapy programs require for admission. Required courses commonly include biology, chemistry, mathematics, physics, psychology and English.

Because each physical therapy program designates its own requirements for admission, students should pay close attention to the prerequisites of schools where they plan to apply. Students pursuing pre-physical therapy should contact the Department of Health, Human Performance and Recreation as early as possible in the enrollment process.

## **Pre-Veterinary Curriculum**

Students preparing for application to a professional Veterinary Medicine Program for completion of a Doctor of Veterinary Medicine (D.V.M.) degree must enroll in a pre-professional program.

The minimum requirements for admission to most

professional programs include 64 hours of coursework (the pre-professional program), completion of the MCAT or GRE and acceptance by the College of Veterinary Medicine to which the student makes application.

Specific subjects required in the pre-professional program include English, college algebra, biology, chemistry (inorganic, organic and biochemistry), physics, and certain University Studies courses. Courses in animal science are also recommended. Students should consult the current catalog of the College of Veterinary Medicine they plan to attend and develop

their program in conference with the Pre-Veterinary Medicine advisor.

Students enrolled in the pre-professional program should plan a four-year degree program along with the Pre-Veterinary Medicine program. Students enrolling at Southeast Missouri State University will find majors in Agriculture, Chemistry, or Biology particularly complementary to the D.V.M. program. For more information, contact the College of Science, Technology and Agriculture Advising Center.

