

# Degrees/Majors/ Pre-Professional Curricula



## **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 career proficiency checks CL 001, CL 002, CL 003, and CL 004.
- Required completion of MAPP2.
- Required completion of WP 003.
- 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, and the Bachelor of Music Education which require a 2.75 GPA, 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, the major in Health Sciences which requires a 3.0, 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 Athletic Training major, 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, and the Human Environmental Studies: Dietetics Option which require a 3.0 GPA. For all students in an education program, a GPA of 3.0 or higher is required in both the professional education coursework and in the specific content area for which certification is sought.

- 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 any required developmental courses 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)**  
Seabaugh Polytechnic Building, room 301  
Telephone (573) 651-5090

**College of Education (Ed)**  
Academic Hall, room 057  
Telephone (573) 651-2007

**College of Health & Human Services (H&HS)**  
Academic Hall, room 057  
Telephone (573) 651-2007

**College of Liberal Arts (Lib Arts)**

Academic Hall, room 057  
Telephone (573) 651-2007

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

Seabaugh Polytechnic Building, room 301  
Telephone (573) 986-6746  
Telephone (573) 651-5930

**School of University Studies**

Academic Hall, room 057  
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).....                                       | 83          |
| Bachelor of Fine Arts (BFA) .....                                | 90          |
| Bachelor of General Studies (BGS) .....                          | 92          |
| Bachelor of Science (BS) .....                                   | 92          |
| Bachelor of Science in Athletic Training (BSAT).....             | 114         |
| Bachelor of Science in Bus Admin (BSBA).....                     | 115         |
| Bachelor of Science in Education (BSED) .....                    | 118         |
| Bachelor of Family & Consumer Sciences<br>Education (BFCSE)..... | 126         |
| Bachelor of Music Education (BME).....                           | 127         |
| Bachelor of Music (BM) .....                                     | 127         |
| Bachelor of Science in Nursing (BSN).....                        | 128         |
| Associate degrees (AA, AAS) .....                                | 129         |

**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.

| <b>MAJOR/DEGREE</b>                  | <b>DEPARTMENT/COLLEGE</b>    |
|--------------------------------------|------------------------------|
| 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/BSAT.....          | Health, Hum Perf & Rec/H&HS  |
| Biology/BS, BSED .....               | Biology/ST&A                 |
| Business Administration/BSBA .....   | Harrison College of Business |
| 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.....       | Polytechnic Studies/ST&A     |
| Communication Disorders/BS.....      | Comm Disorders/H&HS          |
| Communication Studies/BA .....       | Communication/Lib Arts       |
| Computer/Multimedia Graphics .....   | (see Polytechnic Studies)    |
| Computer Information Systems/BS..... | Computer Sci/ST&A            |

|  |                                  |
|--|----------------------------------|
| Computer Science/BS.....                   | Computer Sci/ST&A                |
| Computer Technology/AAS.....               | Polytechnic Studies/ST&A         |
| Construction Mgmt & Design .....           | (see Polytechnic Studies)        |
| Corporate Communication/BS.....            | Communication/Lib Arts           |
| Criminal Justice/BS.....                   | Crim Justice & Sociology/H&HS    |
| Corrections                                |                                  |
| Criminology                                |                                  |
| Law Enforcement                            |                                  |
| Cybersecurity/BS.....                      | Polytechnic Studies/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      |
| Emergency Preparedness/BS .....            | College of Science, Tech & Agric |
| Engineering Physics/BS .....               | Physics & Engr Physics/ST&A      |
| Computer Applications                      |                                  |
| Electrical Applications                    |                                  |
| Mechanical Applications                    |                                  |
| Engineering Technology/BS.....             | Polytechnic Studies/ST&A         |
| Electrical & Control                       |                                  |
| Mechanical/Manufacturing Systems           |                                  |
| Engineering Technology Education/BSED..... | Polytechnic Studies/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        |
| Edu/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 Communication/BS.....               | Communication Studies/LA         |
| Health Management/BS.....                  | Health, Hum Perf & Rec/H&HS      |
| Exercise Science                           |                                  |
| Health Promotion                           |                                  |
| Health Sciences/BS .....                   | Health, Hum Perf & Rec/H&HS      |
| General Health Sciences                    |                                  |
| Pre-Physical/Occupational Therapy          |                                  |
| Healthcare Administration/BSBA .....       | Marketing/BUS                    |
| Healthcare Management, BS.....             | Marketing/BUS                    |
| Informatics                                |                                  |
| Quality & Patient Safety                   |                                  |
| Historic Preservation/BS.....              | History/Lib Arts                 |
| History/BA.....                            | History/Lib Arts                 |
| Hospitality Mgt/BS .....                   | Human Envir. Studies/H&HS        |
| Human Environmental.....                   | Human Envir. Studies/H&HS        |
| Studies/BS                                 |                                  |
| Child Development                          |                                  |
| Dietetics                                  |                                  |
| Family Studies                             |                                  |
| Fashion Merchandising                      |                                  |
| Interior Design                            |                                  |

|  |                                    |
|--|------------------------------------|
| Horticulture.....                        | (see Agribusiness)                 |
| Human Resource Management.....           | (See Management)                   |
| Industrial Management.....               | (see Polytechnic Studies)          |
| Interdisciplinary Studies/BS.....        | University Studies                 |
| International Business/BSBA.....         | Mgmt & Mktg/Bus                    |
| Interior Design.....                     | (see Human Environ. 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                   |
| Actuarial Science                        |                                    |
| Applied Mathematics & Statistics         |                                    |
| Pure Mathematics                         |                                    |
| Mathematics/BSED.....                    | Mathematics/ST&A                   |
| Medical Laboratory Science/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/BA, BS.....                   | Psychology/Lib Arts                |
| Public Relations.....                    | (see Mass Communication)           |
| Recreation & Park Administration/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.....            | Polytechnic Studies/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 Polytechnic Studies)          |
| Theatre/BA.....                          | Theatre & Dance/Lib Arts           |
| Theatre/BFA.....                         | Theatre & Dance/Lib Arts           |
| Acting                                   |                                    |
| Design/Technology                        |                                    |
| Musical Theatre                          |                                    |
| Television & Film.....                   | (see Mass Communication)           |

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

## ART

### 36 Hour Major

### Minor Required

(see also *Bachelor of Fine Arts degree*)

Required Courses:

- AR 001 Foundation 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 18 hours of art/art history electives. Every year, artwork must be entered in the Juried Student Assessment Exhibition.**

**CHEMISTRY****36-66 Hour Major – minor required on some options****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 306 Survey of Phys Chem (3)  
 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 Found of Biochemistry (3)

**OR**

- 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)  
 EC 215 Principles of Microeconomics (3)  
 EC 225 Principles of Macroeconomics (3)  
 FI 361 Financial Management (3)  
 IS 175 Information Systems I (3)  
 MA 223 Elementary Probability and Statistics (3)

**OR**

- QM 257 Business 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.A. 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 Laboratory (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)  
 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 301 Found of Health Comm (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 I (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 Twentieth-Century 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)
- 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)
- EN 572 Creative Non-Fiction 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 Twentieth-Century American Novel (3)
- LI 571 Contemporary American Poetry (3)
- LI 576 Am Fiction/21st Century (3)

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

- EN 302 Small Press Publishing (3)
- EN 311 Literary Manuscript Editing Practicum (3)
- EN 435 Internship in English (3)
- IU 309 Writing for Science & Technology (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 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)

WH 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)

**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 Requirements – choose one option:**

12 hours in the same foreign language

**OR**

6 hours in one foreign language

**AND**

6 hours in a different foreign language

**OR**

6 hours in one foreign language

**AND**

6 hours of EH/WH 300-500 level

**OR**

6 hours in one foreign language

**AND**

6 hours of mathematics/statistics (PY 271, PL 120, QM 275, SO/SW 242, MA 123 or above)

**OR**

EH/WH 300-500 level - 12 hours

**OR**

Second degree/major in one of the following:

- BA – Global Cultures and Languages
- BA – Political Science
- BS – Historic Preservation
- BSBA – International Business

**MUSIC**

**50 Hour Major - Minor Required**

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

MH 251 History & Lit of Music to 1827 (3)  
 MH 252 Evolution of Musical Style Since 1827 (3)  
 MM 001 Aural Skills (0)  
 MM002 Aural Skills (0)  
 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)  
 MM 312 Adv Form & Analysis (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 Track:**

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

**Additional Requirement:**

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

## PSYCHOLOGY

### 54 Hour Major - No Minor Required

#### Required Courses:

- PY 101 Psych Perspect/Hum Behr (3)  
 PY 220 Psychological Devel Across Life Span (3)  
 PY 250 Applied Psychology (3)  
 PY 271 Research Design & Analysis I (3)  
 PY 358 Social Psychology (3)  
 PY 362 Learning & Memory (3)  
 PY 432 Intro to Personality (3)  
 PY 440 Abnormal Psychology (3)  
 PY 460 Cognitive Processes (3)  
 PY 466 Intro to Physiological Psychology (3)  
 PY 497 Historical Development (3)  
 PY 531 Psychological Testing (3)

#### Choose 18 hours from:

- PY 120 The Child: Devel/Concept to Adolsc (3)  
**OR**  
 PY 222 Development of the Adolescent (3)  
 PY 251 Industrial/Organizational Psychology (3)  
 PY 301 Cross-Cultural Psychology (3)  
 PY 325 Psychological Devel of the Family (3)  
 PY 353 Social Cognition (3)

#### OR

- PY 359 Psychology & the Law (3)  
 PY 441 Intro to Clinical Psychology (3)  
 PY 444 Childhood Psychopathology (3)  
 PY 495 Internship in Psychology (3)#  
 PY 525 Maturity & Aging (3)

#Contact Internship coordinator

**Additional requirements:**

**Choose 6 hours from:**

- AN 100 Found of Human Behavior (3)
- AN 181 Cultural Anthropology (3)
- BS 103 Human Biology (3)
- FN 235 Nutrition for Health (3)
- SO 102 Society, Culture & Social Behr (3)
- SW 207 Understand Cultural/Social Diversity (3)
- UI 309 Crime/Human Behavior (3)

**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 I (1)
- TH 220 Auditioning II (2)
- TH 222 Class Voice/Mus Theatre II (3)
- TH 223 Movement for the Actor I (3)
- TH 266 Drawing for the Theatre II (3)
- TH 317 Voice for the Actor I (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 323 Movement for the Actor 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 375 Performing Arts Mgmt (3)
- TH 386 Sound Design I (3)
- TH 395 Period & Style (3)
- TH 416 Acting Styles (3)
- TH 417 Voice for the Actor II (3)
- TH 418 Musical Theatre Performance II (3)
- TH 429 Accents/Dialects for the Actor (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)
- TH 486 Sound Design 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) page 127.

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.

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

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

- AH 110 Art History Survey I (3)
- AH 210 Art History Survey II (3)
- AR 001 Foundation 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 (30)**

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 BFA majors will choose an additional 9 to 18 departmentally approved elective credit hours.

Every year, artwork must be entered in the Juried Student Assessment Exhibition.

## **DANCE**

### **83 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 I (3)
- DA 282 Movement Improv (3)
- DA 290 Dance in World Cultures (3)
- DA 305 Rehearsal & Production II (6)
- DA 310 Dance Musicianship (3)
- DA 380 Choreography I (3)
- DA 391 Topics in Dance (6)
- DA 396 Movement Analysis II (3)
- DA 430 Principles of Teaching Dance (3)
- DA 485 Choreography II (6)
- DA 490 Dance History (3)
- DA 498 BFA Project (2)
- DA 499 Internship (2)

##### **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 6 hours:**

- DA 227 World Dance I (2)
- DA 228 Hip Hop Dance I (2)
- DA 236 Tap I (2)
- DA 327 World Dance II (2)
- DA 328 Hip Hop Dance II (2)
- DA 336 Tap II (2)
- DA 436 Tap III (2)
- TH 155 Makeup (3)
- TH 218 Acting I (3)
- TH 251 Costume Construction (3)
- TH 350 Stage Lighting I (3)

## THEATRE

### 81-83 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 (2)

*\*Required for Musical Theatre Option*

*\*\*Required for Acting Option*

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

### Choose One Option:

#### ACTING (41 Hours)

- TH 218 Acting I (3)  
 TH 219 Auditioning I (1)  
 TH 220 Auditioning II (2)  
 TH 223 Movement for the Actor I (3)  
 TH 316 Acting II (6)  
 TH 317 Voice for the Actor I (3)  
 TH 319 Acting for Film & Television (3)  
 TH 321 Stage Combat I (3)  
 TH 323 Movement for the Actor II (3)  
 TH 416 Acting Styles (3)  
 TH 417 Voice for the Actor II (3)  
 TH 429 Accents/Dialects for the Actor (3)

#### Choose 5 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)  
 TH 122 Class Voice for Musical Theatre I (3)  
 TH 318 Musical Theatre Perf I (3)  
 TH 350 Stage Lighting (3)

- TH 351 Costume Design I (3)  
 TH 371 Scenic Design I (3)  
 TH 386 Sound Design I (3)  
 TH 431 Stage Combat II (3)  
 TH 485 Directing II (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 I (3)  
 TH 395 Period & Style (3)  
 TH 450 Stage Lighting II (3)  
 TH 451 Costume Design II (3)  
 TH 471 Scenic Design II (3)  
 TH 486 Sound Design II (3)

#### MUSICAL THEATRE OPTION (41 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) (in addition to required course)  
 TH 219 Auditioning (1)  
 TH 220 Auditioning II (2)  
 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 7 Hours from (2 hours must be 300-400 level):

- DA 211 Ballet I (2) (in addition to required course)  
 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)

## **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**

**Non-business Courses Required 90 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

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

Emergency Preparedness

Engineering Physics

Options: Computer Applications

Electrical Applications

Mechanical Applications

Engineering Technology

Options: Electrical & Control

Mechanical & Manufacturing Systems

Environmental Science

Health Communication

Health Management

Options: Exercise Science

Health Promotion

Health Sciences

Options: General Health Sciences

Pre-Physical/Occupational Therapy

Healthcare Management

Options: Informatics

Quality & Patient Safety

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: Actuarial Science

Applied Mathematics & Statistics

Pure Mathematics

Medical Laboratory Science

Physics

Political Science

Psychology

Recreation & Park Administration

Social Work

Sport Management

Technology Management

Options: Computer & Multimedia Graphics

Construction Management and Design

Facilities Management & Sustainability

Industrial & Safety Management

Sustainable Energy Systems

Management

Technology Management

Telecommunication & Computer

Networking



## AGRIBUSINESS

### 67-70 Hour Major - No Minor Required Required Courses:

AC 221 Principles of Accounting I (3)

**AND**

AD 101 Intro to Microcomp Appl (3)

**OR**

AG 208 Agriculture Bus Data Analysis (3)

**AND**

AG 381 Agribusiness Management II (3)

AG 245 Agricultural Economics (3)

AG 250 Agribusiness Management (3)

AG 334 Agribusiness Finance (3)

AG 355 Agriculture Seminar (1)

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)

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 I (3)

AY 305 Advanced Horse Science (3)

AY 310 Domestic Animal A&P II (3)

AY 320 Meat Science (3)

AY 375 Animal Breed Improvement (3)

AY 405 Beef Production (3)

AY 425 Feeding Nonruminants (3)

AY 435 Feeding Ruminants (3)

AY 440 Adv Beef Production (3)

#### HORTICULTURE

AO 215 Soils (3)

AO 323 Plant Pathology (3)

HO 215 Practical Hort Experiences (2)

HO 225 Ident/Use of Deciduous Plants (2)

HO 235 Ident/Use of Evergreen Plants (2)

HO 245 Ident/Use of Interior/Tropical Plants (2)

HO 255 Ident/Use of Annual/Perennial Plants (2)

#### Choose 14 Hours From:

AG 551 Water Management (3)

AO 322 Weed Science (3)

HO 215 Practical Hort Experiences (2)

HO 310 Alternative Agriculture (3)

HO 320 Nursery Admin & Culture (3)

HO 321 Adv Plant Propagation (3)

HO 330 Strategic Landscape Design (3)

HO 342 Prod of Horticulture Crops (3)

HO 350 Adv Greenhouse Mgt (4)

HO 355 Interior Plantscaping (3)

HO 430 Adv Turfgrass Management (3)

HO 431 Landscape Inst/Maint (3)

HO 445 Compost/Utilzn in Hort Systems (3)

HO 450 Vineyard Operations (3)

HO 464 Adv Horticulture Technologies (3)

HO 470 Strategic Urban Hort (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 420 Crop Physiology (3)

AO 427 Soil Fertility & Plant Nutrtn (3)

AO 480 Crop Production (3)

#### Choose 11-12 hours from the following:

AG 444 Spatial Analysis (3)

AO 301 Forages (3)

AO 321 Cotton & Rice (3)

AO 322 Weed Science (3)

AO 327 Sustainable Agriculture (3)

AO 340 Agroecosystems Analysis (3)

AO 401 Ag & Natural Resource Mgmt (3)

AO 415 Crop Systems Management (3)

AO 444 Prin of Plant Breeding (3)

AO 555 Soil Class & Resource Mgmt (3)

AY 105 Animal Science Experience (2)

**BIOLOGY****49-51 hour major - No minor required****Required Courses:**

- BI 151 Biological Reasoning (3)  
 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)

**Choose one Math course:**

- MA 134 College Algebra (3)  
 MA 137 Precalculus (5)  
 MA 139 Applied Calculus (3)  
 MA 140 Analyt Geometry & Calc I (5)

**Choose 3 hours of additional math:**

- MA xxx Additional Math (MA 133 or higher) (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)****Non-Biology Requirements:**

- 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)  
 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 3-4 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:**

- 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)  
 PH 106 Physical Concepts (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)****Non-Biology Requirements:**

- 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 EVOLUTION-ARY 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)\***

**Non-Biology Requirements:**

UI 373 Earth/Life Through Time (3)

**PRE-PHYSICIAN ASSISTANT**

BI 381 Molecular Genetics (3)

BS 113 Anat & Phys I (4)

BS 114 Anat & Phys II (4)

**BI/BO/BT/ZO prefix or BS 240 with at least 8 hours at the 300 level (12)**

**Non-Biology Requirements:**

CH 186 Found of Inorganic Chem (3)

CH 187 Inorg & Qual Analys Lab (2)

CH 341 Found of Org Chem (4)

HL 113 Medical Terminology (3)

PH 120 Intro Physics I (5)

PH 121 Intro Physic II (5)

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 434 Marine Evol Ecology (3)

BI 435 Conservation Biology (3)

BI 438 Biogeography (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 445 Aquatic Entomology (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)

**Non-Biology Requirements:**

GO 110 Physical Geology (3)

*\*At least one course must be BO prefix and one course ZO prefix*

**CHEMISTRY**

**49-62 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:**

**ACS CERTIFIED CHEMISTRY OPTION – 15-16 hours**

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 OPTION – 25 hours**

- BI 154 Genetics & Cellular Biology (4)  
 BI 200 General Microbiology (3)  
 BI 381 Genetics (3)  
 BI 404 Cell Biology (3)  
 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)

**DNA ANALYSIS OPTION – 28 hours**

- 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 OPTION – 26 hours**

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

**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)

**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/SLR Video Capture (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 19)*

**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/Intrvntn Spch/Lang 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)

**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)  
 SC 105 Fund of Oral Communication (3)  
 US 105 American History I (3)

**OR**

- US 107 American History II (3)

**Choose One of the Following:**

- MA 155 Statistical Reasoning (3)

**OR**

PY 271 Research Design & Analysis (3)

**OR**

PY 572 Intro Behavioral Stats (3)

**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.

## COMPUTER INFORMATION SYSTEMS

**82 Hours**

**Minor required for some tracks**

**Core Courses:**

IS 003 Computer Info Systems Assmnt (0)  
 IS 130 Application Development 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 360 Mobile Application Development (3)  
 IS 375 Database & Info Systems (3)  
 IS 445 Systems Analysis & Design (3)  
 IS 448 IS/IT Project Management (3)  
 IS 465 Mgmt Support Systems (3)  
 IS 495 Senior Seminar (1)  
 IU 309 Prof Writing for Science/Technology (3)  
 IU 315 Ethics in the Cyber World (3)  
 MA 139 Applied Calculus (3)  
 MA 223 Probability & Statistics (3)  
 UI 450 Capstone Experience (3)

**Choose One Track:**

**Track 1 – Business Administration**

**Required Minor:**

Business Administration Minor

**Required Courses:**

AC 330 Accounting Analytics (3)

IS 440 Web Design for Elec Commerce (3)

IS 575 IS/IT Strategy & Mgmt (3)

MK 555 Internet Marketing (3)

**Track 2 - Commerce**

**Required minor - Choose one from list:**

Accounting minor

Economics minor

International Business minor

Management minor

Marketing: Integrated Marketing Communications minor

Marketing: Marketing Management minor

Marketing: Retail Management minor

Marketing: Sales Management minor

**Required courses:**

IS 440 Web Design for Elec Commerce (3)

IS 575 IS/IT Strategy & Mgmt (3)

**Additional requirements – Choose 6 to 9 hours, depending on minor chosen:**

AC 222 Prin of Managerial Actg (3)

AC 375 Financial Statement Analysis (3)

EC 225 Prin of Macroeconomics (3)

FI 361 Financial Management (3)

IM 411 Total Quality Assurance (3)

MG 301 Mgmt/Organizational Behavior (3)

MK 301 Principles of Marketing (3)

**Track 3 - Game Programming**

**Required courses:**

AR 104 Design Foundations (3)

AR 323 Art & New Technology (3)

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)

CS 373 Intro to Game Programming (3)

CS 375 Computer Graphics (3)

CS 473 3D Game Programming (3)

MA 345 Linear Algebra (3)

**Track 4 - Information Assurance**

**Required Minor:**

Cybersecurity minor

**Additional requirements - Choose 6 hours:**

CS 315 C and the Unix Environment (3)

CY 410 Web Applications Security (3)

CY 420 Computer Forensics (3)

EP305 Digital System Design (3)

ET 245 Logic Circuits (3)

ET 366 Microcontrollers (3)

TN 375 Network Rout Protocols/Concepts (3)

TN 435 Network Security (3)

**Track 5 – Multimedia programming**

**Required courses:**

CS 155 Computer Science I (4)



CS 265 Computer Science II (4)  
 CS 300 Computer Science III (4)  
 CS 440 Database (3)  
 MC 221 Media Elements (3)

**Additional requirements - Choose 12 hours:**

AR 104 Design Foundations (3)  
 AR 323 Art & New Technology (3)  
 CS 315 C & the Unix Environment (3)  
 CS 331 Application Programming (3)  
 CS 403 Information Retrieval (3)  
 GM 180 Intro to Technical Graphics (3)  
 GM 200 Vector & Bitmapped Graphics (3)  
 MC 310 Advertising Analysis/Strategy (3)

**Track 6 - Networking****Required minor:**

Computer Networking minor

**Required courses:**

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)  
 CS 480 Data Communications (3)

**Track 7 - Science****Required minor - Choose one from list:**

Biology minor  
 Chemistry minor  
 Electronics Technology minor  
 Engineering Physics minor  
 Industrial Management minor  
 Mathematics minor  
 Physics minor

**Additional requirements - Choose 10-15 hours, depending on minor chosen:**

CS 155 Computer Science I (4)  
 CS 265 Computer Science II (4)  
 CS 300 Computer Science III (4)  
 CS 2xx  
 CS 3xx  
 CS 4xx

**Track 8 - Web Page Design & Multimedia Computing****Required courses:**

AR 104 Design Foundations (3)  
 GM 180 Intro to Technical Graphics (3)  
 IS 440 Web Design for Elec Commerce (3)  
 MC 221 Media Elements (3)  
 PG 284 Photography Fundamentals (3)

**Additional requirements - Choose 15 hours:**

AR 323 Art & New Technology (3)  
 GM 200 Vector & Bitmapped Graphics (3)  
 GM 282 Vector Graphics (3)

GM 380 3D Modeling/Animation Production (3)  
 GM 386 Interactive Multimedia/Animation (3)  
 GM 480 3D Animation Pipeline (3)  
 MC 310 Advertising Analysis & Strategy (3)  
 MC 312 Advertising Creative Concepts (3)  
 MC 318 Advertising Digital Applications (3)

**Track 9 - Web Programming****Required courses:**

CS 155 Computer Science I (4)  
 CS 265 Computer Science II (4)  
 CS 300 Computer Science III (4)  
 AR 323 Art & New Technology (3)  
 CS 331 Application Programming (3)  
 CS 403 Information Retrieval (3)  
 CS 440 Database (3)  
 GM 180 Intro to Technical Graphics (3)  
 IS 440 Web Design for Elec Commerce (3)

**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)  
 MA 140 Analytic Geometry & Calculus I (5)  
 MA 145 Analytic Geometry & Calculus II (4)  
 MA 223 Probability & Statistics (3)  
 MA 345 Linear Algebra (3)  
 IU 309 Prof Writing for Science/Technology (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 301 Found of Health Comm (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 – Minor required unless noted

#### 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)

#### OR

- PO 500 Policing/Information Age (3)
- CJ xxx CJ Course (300-500 level) (3)

##### Practical Track – No minor required

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

*\*Minor required on all options/tracks except Practical Track under Law Enforcement*

## 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 | Intro to Networks (3)                      |
| TN 375 | Routing/Switching Essentials (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.

## EMERGENCY PREPAREDNESS

### 69 Hour Major - No Minor Required

#### Required Courses:

|        |   |
|--------|---|
| BI 471 | Internship (1)                                  |
| CH 185 | General Chemistry I (5)                         |
| CH 234 | Organic & Biological Chemistry (3)              |
| EA 507 | School & Campus Safety (3)                      |
| EV 425 | GIS Planning for Emerg Mgmt (3)                 |
| EV 447 | Fund of Disaster/Emerg Mgmt & Planning (3)      |
| EV 448 | Disaster/Emerg Planning & Response (3)          |
| EV 449 | Vulnerability, Risk Reduct/Crit Incdnt Mgmt (3) |
| EV 551 | Hazardous Materials Assessment (3)              |
| EV 454 | Risk Assessment Applications (3)                |
| EV 456 | Fund Risk Comm in Emerg Mgmt (3)                |
| GO 445 | Geographic Information Systems (3)              |
| HL 320 | Community Health (3)                            |

|        |  |
|--------|--|
| MA 134 | College Algebra (3)                      |
| MG 301 | Princ of Management (3)                  |
| PS 310 | Govt/Politics in the American States (3) |
| PS 415 | Govt Budgeting Process (3)               |
| PS 418 | Public Policy Analysis (3)               |
| PS 425 | Admin Law & Procedures (3)               |
| SC 355 | Relational Comm Strategies (3)           |
| SC 560 | Organizational Communication (3)         |
| SO 375 | Collective Behavior (3)                  |
| SW 242 | Stats for Social Scientists (3)          |

#### Additional requirements:

*(Some courses may fulfill University Studies requirements)*

|        |  |
|--------|--|
| BS 105 | Environmental Biology (3)              |
| GO 150 | Earth Science: Environ Hazards (3)     |
| HL 120 | Health Perspectives (3)                |
| PS 103 | US Political Systems (3)               |
| SC 105 | Fundamentals of Oral Communication (3) |
| SO 120 | Cities & Society (3)                   |
| IU 309 | Writing for Science & Technology (3)   |
| UI 387 | Environmental Law (3)                  |
| UI 429 | Environmental Ethics (3)               |

## 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)     |
| 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: 30 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 244         | Analytic Geometry & Calculus III (4) |
| 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**

**100 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 137 Precalculus (5)
- MA 140 Analytic Geometry & Calculus I (5)
- MA 144 Integral Calculus & Differential Equations (5)
- MN 220 Engineering Economic Analysis (3)
- MN 260 Technl 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 160 Basic Electricity/Electronics (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 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)

**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 9 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 Freshwater Ecology (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 391-393 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 (22-25 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)

HL 210 Health & Safety (2)

HL 320 Community Health (3)

IU 309 Writing for Science & Technology (3)

**Additional Required Courses:**

CH 187 Inorg Chem & Qual Analys Lab (2)

CH 234 Organic & Biol Chemistry (3)

**OR**

CH 341/342 Found of Organic Chem and Lab (5)

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 COMMUNICATION**

**36 hours required – Minor Required**

- HA 300 Management of Healthcare (3)
- HA 585 Healthcare Marketing (3)
- HL 113 Medical Terminology (3)
- HL 320 Community Health (3)
- HL 4xx General Principles of Health Promotion (3)
- PY 555 Health Psychology (3)
- SC 001 Exit Interview (0)
- SC 215 Intercultural Communication (3)
- SC 301 Foundations of Health Communication (3)
- SC 335 Interviewing: Principles and Practices (3)
- SC 320 Group Communication and Decision Making

**OR**

- SC 510 Leadership and Team Building (3)
- SC 483 Internship in Communication Studies (3)
- SC 560 Organizational Communication (3)

**OR**

- UI 425 Persuasion (3)

**Required Support Courses:**

*Some courses may also fulfill University Studies requirements.*

- CF 124 Children's Health, Nutrition and Safety (3)

**OR**

- FN 235 Nutrition for Health (3)
- EN 140 Rhetoric & Written Comm (3)
- HL 120 Health Perspectives (3)
- MC 101 Mass Communication and Society (3)
- SC 105 Fundamentals of Oral Communication (3)

**OR**

- SC 155 Interpersonal Communication (3)
- UI 345 Nonverbal Communication (3)
- UI 352 Medical Ethics (3)
- UI 412 American Healthcare Systems and Issues (3)

**HEALTH MANAGEMENT**

*\*A grade of 'C' or higher is required in all courses in the core, option and all additional requirements*

**62-73 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 (4)
- 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)
- 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)

**HEALTH SCIENCES****97 Hours Required – No Minor Required**

*Student must attain a grade of 'C' or bigger in every major course. A student must maintain an overall grade point average of 3.0 to remain in major.*

**Core Courses**

- BI 151 Biological Reasoning (3)  
**OR**  
 FN 235 Nutrition for Health (3)  
 BI 153 Introduction to Organismal Biology (4)  
 BI 154 Genetics and Cellular Biology (4)  
 BS 113 Anatomy and Physiology I (4)  
 BS 114 Anatomy and Physiology II (4)  
 CH 185 General Chemistry I (5)  
 CH 186 Foundations of Inorganic Chemistry (3)  
 CH 187 Inorganic Chemistry and Qualitative Analysis Lab (2)  
 FN 530 Pathophysiology: Implications for Nutrition and Exercise Science (3)  
 HL 105 Introduction to Allied Health Professions (3)  
 HL 113 Medical Terminology (3)  
 HL 120 Health Perspectives (3)  
 MA 134 College Algebra (3)  
 PH 120 Introductory Physics I w/Lab (5)  
 PH 121 Introductory Physics II w/Lab (5)  
 PY 101 Psychological Perspectives on Human Behavior (3)  
 PY 220 Psychological Development Across the Life Span (3)  
 PY 271 Research Design and Analysis I  
**OR**  
 SW 242 Statistics for Social Scientists (3)  
 PY 440 Abnormal Psychology

**OR**

- PY 466 Introduction to Physiological Psychology(3)  
 SC 155 Interpersonal Communication (3)

**GENERAL HEALTH SCIENCES OPTION**

- BI 200 General Microbiology (3)  
 BI 472 Internship in Biology (2)  
 CH 341 Foundations of Organic Chemistry (4)  
 CH 342 Organic Chemistry Lab I (1)

**Physical Rehabilitation electives – choose 9 hours**

- FN 255 Nutrition I (3)  
 FN530 Pathophysiology (3)  
 HL 251 Introduction to Athletic Injuries (3)  
 HL 265 Therapeutic Modalities (3)  
 HL 321 Advanced Injury Assessment I (3)  
 HL 322 Advanced Injury Assessment II (3)  
 HL 323 Advanced Injury Assessment III (3)  
 HL 331 Exercise Physiology w/Lab (4)  
 HL 444 Rehabilitation of Sports Injury (3)

- HL 511 Applied Anatomy (3)  
**Psychosocial electives – choose 9 hours**  
 AN 101 Observing Cultures (3)  
 PY 362 Learning & Memory (3)  
 PY 525 Maturity & Aging (3)  
 PY 555 Health Psychology (3)  
 SO 102 Soc, Culture & Soc Behvr (3)

**PRE-PHYSICAL/OCCUPATIONAL THERAPY OPTION**

- FN 255 Nutrition I (3)  
 HL 251 Introduction to Athletic Injuries (3)  
 HL 265 Therapeutic Modalities (3)  
 HL 321 Advanced Injury Assessment I (3)  
 HL 322 Advanced Injury Assessment II (3)  
 HL 323 Advanced Injury Assessment III (3)  
 HL 331 Exercise Physiology w/Lab (4)  
 HL 444 Rehabilitation of Sports Injury (3)  
 HL 511 Applied Anatomy (3)

**HEALTHCARE MANAGEMENT****50 Hour Major – No Minor Required  
Required Courses:**

- EC 585 Healthcare Economics (3)  
 HA 300 Intro to Healthcare Mgmt (3)  
**OR**  
 MG 301 Principles of Management (3)  
 HA 473 Internship in Healthcare (3)  
 HA 510 Healthcare Operations (3)  
 HL 113 Medical Terminology (3)  
 HL 320 Community Health (3)  
 MG 252 Business Communication (2)  
 MG 356 Found of Hum Resource Mgmt (3)  
 MG 362 Management Skills (3)  
 PY 101 Psych Perspectives on Hum Behr (3)  
 PY 271 Research Design & Analysis I (3)  
 PY 555 Health Psychology (3)  
 SC 301 Foundations of Health Communication (3)

**Choose one Option:****INFORMATICS (12 hours)**

- CY 501 Intro to Cybersecurity (3)  
**OR**  
 MG 575 Info Technology Mgmt (3)  
 HA 540 Healthcare Informatics(3)  
 HA 545 Healthcare Database Systems (3)  
 MI 375 Management Info Systems (3)

**QUALITY & PATIENT SAFETY (12 hours)**

- HA 520 Intro to Healthcare Quality (3)  
 HA 525 Advanced Healthcare Quality (3)  
 HA 530 Intro to Patient Safety (3)  
 HA 535 Advanced Patient Safety (3)

**Additional Requirements: 18 Hours**

- BS 103 Human Biology (3)\*

- EC 215 Prin of Microeconomics (3)\*  
 HL 120 Health Perspectives (3)\*  
 UI 386 Environmental Health (3)\*  
 UI 352 Medical Ethics (3)\*  
 UI 412 American Healthcare Systems & Issues (3)\*  
*\*Fulfills University Studies requirement*

## 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

##### Historic 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)  
 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 235 Nutrition for Health (3)\*  
 HM 150 Intro to Hospitality Mgmt (3)  
 HM 205 Basic Culinary Techniques (3)  
 HM 260 Meeting & Event Mgmt (3)  
 HM 270 Hotel & Resort Operations (3)  
 HM 304 Food, Bev & Labor Cost Cntrls (3)  
 HM 325 Hospitality Law (3)  
 HM 350 Culinary Theory & Practice (3)  
 HM 390 Hosp Sales & Marketing (3)  
 HM 406 Hospitality & Institution Admin (3)  
 HM 416 Quantity Food Production (4)  
 HM 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 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 & Appl: Preschool (3)  
 CF 285 Learn Theory/App: 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)

**OR**

- CF 520 Family Assessment (3)  
 HS 301 Found Child Maltreat & Advoc (3)  
 HS 401 Child Advoc II-Prof & Sys Resp (3)  
 HS 402 Child Advoc III - Respond to the Survivor (3)

**Additional requirements:**

*(Some courses may fulfill University Studies requirements)*

- BS 103 Human Biology (3)  
 FE 200 Family Resource Management (3)  
 LI 243 Children's Literature (3)  
 MA 128 Numbers & Operations for Educators (4)  
 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****84 Hour Major – Minor required where noted****Required Courses:**

- AD 101 Intro to Microcomputer Appl (3)  
 BS 113 Anatomy & Physiology I (4)  
 BS 114 Anatomy & Physiology II (4)  
 FN 235 Nutrition for Health (3)  
 FN 255 Nutrition I (3)  
 FN 340 Professional Dietetic Seminar (1)  
 FN 355 Lifespan Nutrition (3)  
 FN 540 Community Nutrition (3)  
 HL 303 Research Methods (3)  
**OR**  
 PY 271 Research Design I (3)  
 HM 205 Basic Culinary Techniques (3)  
 PY 101 Psych Perspectives/Human Behavior (3)

**Choose one advising track:****Didactic Program in Dietetics Track – no minor required**

- AC 221 Principles of Accounting I (3)  
 BS 240 Microorganisms/Human Host (3)  
 CH 181 Basic Prin of Chemistry (5)  
 CH 234 Organic & Biol Chemistry (3)  
 FN 320 Essentials of Food Science (4)  
 FN 370 Nutrition Assessment (2)  
 FN 401 Sports Nutrition (3)  
 FN 502 Nutrition II (3)  
 FN 503 Medical Nutrition Therapy I (4)  
 FN 504 Medical Nutrition Therapy II (4)  
 FN 505 Senior Dietetic Seminar (1)  
 FN 525 Nutrition Counseling (3)  
 HE 520 Tech/Teaching Nutrition & Health Ed (3)  
 HM 225 Adv Select/Prep of Foods (3)  
 HM 304 Food, Beverage & Labor Cost Cntrl (3)  
 HM 406 Hospitality & Institution Admin (3)  
 HM 416 Quantity Food Production (4)  
 MA 134 College Algebra (3)

**Nutrition Science Track – no minor required**

- BI 151 Biological Reasoning (3)  
 BI 153 Intro to Organismal Biology (4)  
 BI 154 Genetics/Cellular Biology (4)  
 BI 200 General Microbiology (3)  
 CH 185 General Chemistry I (5)  
 CH 186 Found of Inorganic Chem (3)  
 CH 187 norg Chem/Qual Anl Lab (2)  
 CH 341 Found of Organic Chem (4)  
 CH 342 Organic Chem Lab I (1)  
 CH 343 Adv Organic Chem (3)  
 CH 344 Organic Chem Lab II (2)  
 CH 531 Biochemistry (3)

- FN 320 Essentials of Food Science (4)  
 FN 502 Nutrition II (3)  
 MA 134 College Algebra (3)  
 PH 120 Introductory Physics I (5)  
 PH 121 Introductory Physics II (5)  
**Nutrition and Wellness Track – minor required**  
 FN 370 Nutrition Assessment (2)  
 FN 503 Medical Nutrition Therapy I (4)  
 FN 520 Nutrition & Aging (3)  
 HE 520 Tech/Teaching Nutrition & Health Ed (3)  
 HL 111 Intro to Health Management (3)  
 HL 120 Health Perspectives (3)  
 HL 260 Health Promotion Practicum (3)  
 HL 320 Community Health (3)  
 HL 332 Lifestyle Disease Risk Reduction (3)  
 HL 432 Health Promotion Programs (3)  
 HL 490 Program Planning/Evaluation (3)  
 MA 123 Survey of Mathematics (3)  
**OR**  
 MA 155 Statistical Reasoning (3)

## HUMAN ENVIRONMENTAL STUDIES: FAMILY STUDIES OPTION

### 45 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 Relationships of Commitment (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

### 51 Hour Major – Fashion Entrepreneurship Minor Required

#### Required Courses:

- FA 1xx Beyond Project Runway (3)

- FA 110 Intro to Fashion Merchandising (3)  
 FA 114 Visual Merchandising (3)  
 FA 120 Clothing Construction (3)  
 FA 207 Textiles (3)  
 FA 250 History of Costume I (3)  
 FA 251 History of Costume II (3)  
 FA 300 Professional Image & Behavior (3)  
 FA 310 Fashion Forecasting (3)  
 FA 315 Retail Buying (3)  
 FA 350 Apparel Aesthetics (3)  
 FA 421 Retail Strategy (3)  
 FA 450 Global Fashion Economics (3)  
 FA 530 Internship (6)

### Choose 6 hours:

- FA 121 Intermediate Clothing Constr (3)  
 FA 480 Fashion Merchandising Practicum (3)  
 FA 520 Survey of National Markets (3)  
 FA 521 Survey of International Markets (3)

### Additional requirements – 18 hours:

- EC 101 Economic Problems & Policies (3)  
 FA 518 Soc/Psych Aspects of Clothing (3)  
 GM 180 Intro to Graphic Tech (3)  
 MG 301 Principles of Management (3)  
 MG 356 Found of Human Resources Management (3)  
 UI 355 Consumer & the Market (3)

## HUMAN ENVIRONMENTAL STUDIES: INTERIOR DESIGN OPTION

### 64 Hour Major - No Minor Required Required Courses:

- DS 001 Portfolio Review (0)  
 DS 104 Exploring Interior Design (3)  
 DS 111 Tech Drafting for Designers (3)  
 DS 205 History of Interiors I (3)  
 DS 206 History of Interiors II (3)  
 DS 207 Interior Systems (3)  
 DS 209 Constr Codes for Designers (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)  
 FA 207 Textiles I (3)



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

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

**Additional Requirements: 24 Hours**

- AH 210 Art History Survey II (3)  
 CM 126 Computer Aided Arch Drafting (3)  
 CM 226 Residential Arch Drftg & Design (3)  
 CM 322 Comm Arch Drftg & Design (3)  
 MA 123 Survey of Mathematics (3)\*

**OR**

- 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 Center for Academic Advising or visit the web page at <http://www.semo.edu/coadvise>.

**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 323 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 78 hours outside of the MC prefix.

**MATHEMATICS****46-67 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 244 Analytic Geometry & Calculus III (4)  
 MA 250 Foundations of Math (3)  
 MA 449 Mathematical Problem Solving (3)

**Choose One Option:**

**ACTUARIAL SCIENCE**

- AC 221 Principles of Accounting I (3)
- AC 222 Principles of Accounting II (3)
- EC 215 Principles of Microeconomics (3)
- EC 225 Principles of Macroeconomics (3)
- FI 351 Principles of Insurance (3)
- FI 361 Financial Management (3)
- FI 362 Advanced Financial Management (3)
- MA 223 Elem Probability & Statistics (3)
- MA 345 Linear Algebra (3)
- MA 425 Applied Regression Analysis (3)
- MA 523 Probability & Statistics I (3)
- MA 524 Probability & Statistics II (3)
- MA 525 Actuarial Modeling (3)
- MA 526 Actuaries Seminar I (1)
- MA 527 Actuaries Seminar II (1)
- MA 528 Actuaries Seminar III (1)

**Choose one of the following:**

- CS 155 Computer Science I (4)
- CS 177 Programming for Scientists and Engineers (3)

**Choose 12 hours from the following:**

- EC 351 Applied Economic Models (3)
- EC 490 Business Forecasting (3)
- FI 363 Entrepreneurial Finance (3)
- FI 368 Investments (3)
- MA 350 Differential Equations (3)
- MA 546 Advanced Calculus I (3)
- MA 550 Differential Equations (3)
- MA 580 Experimental Design and Analysis of Variance (3)

**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 (no more than two courses outside of Mathematics can be taken as part of this option):**

- 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)
- 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 425 Applied Regression Analysis (3)
- MA 443 Elementary Number Theory (3)
- MA 464 Mathematical Cryptography (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)
- 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 532 Foundations of Geometry (3)
- MA 545 Linear Algebra & Matrices (3)
- MA 547 Advanced Calculus II (3)
- MA 548 Enumerative Combinatorics (3)
- MA 549 Graph Theory (3)
- MA 550 Differential Equations II (3)

**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 532, MA 540, MA 545, MA 547, MA 548, MA 549, MA 550**

**MEDICAL LABORATORY SCIENCE**

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

- EP 100 Physics & Engineering Concepts (1)  
 EP 240 Circuit Analysis (4)  
 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 6 Hours Approved Technical Electives\*****Additional Requirements: 26 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 244 Analytic Geometry & Calculus III (3)  
 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**

- UI 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 230 Ethics & Diversity in Psych (3)
- PY 271 Research Design & Analysis I (3)
- PY 370 Research Design & Analysis II (3)
- PY 489 Adv Topics in Psychology (3)

**OR**

- PY 497 Historical Development of Psychology (3)

**Extended Core Courses: (Choose One Course From Each of the Following Four Areas) (12 hours)**

**Basic/Cognitive Processes**

- PY 362 Learning & Memory (3)
- PY 460 Cognitive Processes (3)
- PY 466 Intro to Physiological Psychology (3)

**Clinical/Personality**

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

**Social/Applied Psychology**

- PY 250 Applied 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 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 466 Intro to Physiological Psych (3)
- PY 484 Advanced Research in Psychology (3)\*
- PY 495 Internship in Psychology (3)#
- PY 525 Maturity & Aging (3)
- PY 531 Psychological Testing (3)
- PY 555 Health Psychology (3)

\*Requires a faculty mentor

#Contact Internship coordinator

**RECREATION & PARK ADMINISTRATION**

**60 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 15 hours from one track:**

**OUTDOOR ADVENTURE TRACK**

- 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 250 Foundations of Outdoor Recreation (3)
- RC 310 Outdoor Leadership (3)
- RC 311 Parks/Outdoor Resource Mgmt (3)
- RC 450 Outdoor Adventure Therapy (3)
- UI 459 Nature Literacy (3)

**OR**

- UI 429 Environmental Ethics (3)

**RECREATION & PARK ADMINISTRATION TRACK**

- RC 210 Camp Leadership (3)
- RC 230 Recreational Sports (3)
- RC 270 Commercial Recreation (3)
- RC 311 Parks/Outdoor Resource Mgmt (3)
- RC 340 Mentoring Principles (3)
- RC 345 Youth Development Through Leisure (3)
- RC 386 Aquatic Facility Management (3)
- RC 480 Community Development (3)
- UI 354 Lifestyle Enhancement (3)
- UI 427 Service & Community (3)

**SOCIAL WORK****60 Hour Major - No Minor Required**

(See Admission to Social Work Program criteria under Admissions, page 16. 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 Undrstndg 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:**

- HS 301 Found Child Maltreatmnt/Advocacy (3)
- 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****45 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 250 Governance of Sport Organizations (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:**

- PL 204 Ethical Theory (3)
- SC 105 Fundamentals of Oral Communication (3)

**TECHNOLOGY MANAGEMENT****85-87 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)

**OR**

- CM 330 Const Plan & Scheduling (3)
- MA 133 Plane Trigonometry (3)
- MA 134 College Algebra (3)
- MN 220 Engineering Econ Analysis (3)
- MN 260 Tech Computer Programming Appl (3)

**OR**

- CM 260 Comp Methods of Constr Mgrs (3)
- OR
- CS 155 Computer Science I (4)
- 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/SLR Video Capture (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 & Trblshng (3)

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

- CM 126 Computer Aided Arch Drafting (3)
- CM 143 Constr Methods & Mats I (3)
- CM 226 Resid Arch Drafting & Design (3)
- CM 243 Construction Methods & Mats II (3)
- CM 310 Building 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 343 Construction Surveying & Testing (3)
- CM 410 Construction Project Administration (3)
- CM 443 Constr Equipment Mgmt (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 Building Codes & Compliance (3)
- CM 320 Construction Cost Estimating (3)
- CM 325 Bldg Mechanical & Electrical Syst (3)
- CM 330 Construction Planning Scheduling (3)
- ET 470 Energy Management (3)
- FM 504 Facilities Management (3)
- FM 544 Sust Constr Mats & Tech (3)
- FM 554 Facilities Operation & Supervision (3)
- FM 564 Sust Facility Planning & Design (3)
- FM 565 Building Automation & Technology (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 Management (3)
- FM 504 Facilities Management (3)
- FM 544 Sust Const Mats & Tech (3)
- FM 554 Facilities Operation & Supervision (3)
- FM 564 Sustainable Facl Plan & Design (3)
- FM 565 Building Automation & Technology (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)

**OR**

- UI 386 Environmental Health (3)

**OR**

- EV 453 Occupational Health (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 255 Microcomputer Maint & Troubleshooting (3)
- TN 275 Intro to Networks (3)
- TN 375 Routing/Switching Essentials (3)
- TN 395 Server Maint & Troubleshooting (3)
- TN 425 Wireless Comm & Mobile Data Netwk (3)
- TN 435 Network Security (3)
- TN 475 Scaling Networks (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 ATHLETIC TRAINING DEGREE**

For students planning to see careers as a certified athletic trainer. See Admission to Athletic Training criteria under Admissions, page 12.

### **ATHLETIC TRAINING**

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

(See Admission to Athletic Training criteria under Admissions, page 12.)

#### **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 (4)                          |
| 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 511     | Applied Anatomy (3)                              |
| Tx 4xx     | Practicum in AT (1)                              |

#### **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

## **BACHELOR OF SCIENCE IN BUSINESS ADMINISTRATION DEGREE**

For students planning careers in business. See Admission to Business Administration Programs criteria under Admissions, page 13. The areas from which majors must be chosen are:

|  |
|--|
| Accounting                                   |
| Business Administration                      |
| Economics                                    |
| Options: Business Economics                  |
| Financial Economics                          |
| Finance                                      |
| Healthcare Administration                    |
| 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.

#### **30 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 Quantitative Analysis (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)  
 BA 452 Professionalism (1)  
 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 (2)  
 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**

**30 Hour Major - No Minor Required**

**Required Courses:\***

- AC 321 Financial Acct & Reporting I (3)  
 AC 330 Accounting Analytics (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 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 550 Fraud Examination & Accounting (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/HA/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).*

**Choose 3 hours from the following:**

- AC 330 Accounting Analytics (3)  
 BA 561 Entrepreneurship Plan & Strat (3)  
 EC 351 Applied Economic Models (3)  
 EC 490 Business Forecasting (3)  
 MG 546 Acquiring & Compensating Talent (3)  
 MK 345 Intro to Business Research (3)  
 QM 358 Production/Operations Management (3)

*\*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**

**28 Hour Major - No Minor Required**

**Choose One 28 Hour Option:**

**BUSINESS ECONOMICS**

- EC 410 Macroeconomic Theory (3)  
 EC 420 Microeconomic Theory (3)  
 EC 490 Business Forecasting (3)

**OR**

- EC 351 Applied Econ Models (3)  
 EC 498 Economics Seminar (1)  
 EC 561 Managerial Economics (3)

**Choose 15 Hours From:**

- EC xxx EC course, (235-500 level)  
 UI 349 Comparative Economic Systems (3)  
 UI 366 Law and Economics (3)  
 UI 371 Government & Business (3)

**FINANCIAL ECONOMICS**

- EC 335 Monetary Economics (3)  
 EC 410 Macroeconomic Theory (3)  
 EC 420 Microeconomic Theory (3)  
 EC 490 Business Forecasting (3)

**OR**

- EC 351 Applied Econ Models (3)  
 EC 498 Economics Seminar (1)  
 FI 364 Modern Financial Institutions (3)

**Choose 12 Hours From:**

- EC xxx EC course (235-500 level)  
 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**

**27 Hour Major - No Minor Required**

**Required Courses:**

- EC 490 Business Forecasting (3)

**OR**

- EC 351 Applied Econ Models (3)  
 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)  
 EC 335 Money & Banking (3)  
 EC 410 Macroeconomic Theory (3)

**HEALTHCARE ADMINISTRATION**

**24 Hour Major**

**Required Courses:**

- EC 585 Healthcare Economics (3)  
 HA 473 Internship in Healthcare (3)  
 HA 510 Healthcare Operations (3)

**OR**

- HA 520 Intro to Healthcare Quality (3)  
 HA 580 Mgmt of Health Systems (3)  
 HA 581 Health Admin Policy (3)  
 HA 582 Healthcare Budget/Reimburse (3)

**OR**

- HA 540 Healthcare Informatics(3)  
 HA 585 Marketing Healthcare (3)

- MG 356 Found of Hum Resource Mgmt (3)

**Additional Requirements:**

- HL 120 Health Perspectives (3)  
 UI 352 Medical Ethics (3)  
 UI 412 American Health Care System (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)

**Choose 3 hours from the following:**

- AC 330 Accounting Analytics (3)  
 BA 561 Entrepreneurship Plan & Strat (3)  
 EC 351 Applied Economic Models (3)  
 EC 490 Business Forecasting (3)  
 MG 546 Acquiring & Compensating Talent (3)  
 MK 345 Intro to Business Research (3)  
 QM 358 Production/Operations Management (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**

**27 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 15 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 6 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 550 Improv Team Performance (3)

MG 562 Orgnz Theory & Design (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 6 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 550 Improv Team Performance (3)

MG 562 Orgnz Theory & Design (3)

MK 341 Public Relations (3)

**MANAGEMENT**

**Required Courses:**

MG 354 Bus Negotiation: Conc/Practice (3)

MG 550 Improv Team Performance (3)

MG 562 Org Theory & Design (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)

**Choose 3 hours from the following:**

MK 345 Intro to Business Research (3)

QM 358 Production/Operations 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. Six programs are offered:

- Early Childhood Education (birth-grade 3) with add-on certification in elementary education (grades 1-6)
- Elementary Education (grades 1-6) with the option of adding on Middle School certification (grades 5-9)
- Exceptional Child Education (grades K-12) with add-on certification in elementary education (grades 1-6)
- Middle School Education (grades 5-9)
- Secondary Education (grades 9-12)
- K-12 Education (Physical Education, Art, Music, FACS)

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.

For applicants graduating in or after the Spring semester of the year 2017 from a baccalaureate program approved by the department, a cumulative grade point average of 2.75 or higher, and a grade point average of 3.00 or higher in professional education and the specific content area for which certification is sought (Page 17, B 2 of the new standards).

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 and renew it in subsequent field experiences.

## EARLY CHILDHOOD EDUCATION

### (Curriculum pending state approval)

Students in Early Childhood (birth through third grade) will also add on certification in elementary education (grades one through six) with this program. Students 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.

### Professional Education Requirements: 85 Hours

*(A minimum grade of "C" is required in each professional education course with the exception of ED280 which requires a minimum grade of B.)*

|           |  |
|-----------|--|
| CE 330    | Classroom Management and Environ Org (3)       |
| CE 340    | Family/School Collaboration (3)                |
| CE 364    | Mthd of Math/Sci/Soc Stu in EC & EE (3)        |
| CE 365    | Observation/Assmnt/Data Analysis (3)           |
| CE 366    | Curr/Theory/Progr Mgmt in Early Chld (3)       |
| CE 370    | Lang Aquisition of Young Child (3)             |
| CE 530    | Found of Early Child Spec Educ (3)             |
| CE 480    | Early Childhood Student Teaching (12)          |
| CF 124    | Child Health, Safety & Nutrition (3)           |
| CF 233    | Creat Thought/Express in Children (3)          |
| CF 285    | Learn Theory/App: Infants & Toddlers (3)       |
| CF 512    | Family/Consumer Resources (3)                  |
| ED 280    | Intro to Educ as a Profession (3)              |
| EF 400    | Seminar in Education Issues (1)                |
| EL 274    | Diversity in America's Schools (3)             |
| EL 300    | Asst/Instr Tech in Univ Desgn for Lrng Env (3) |
| EL 314    | Literacy Field Experience (3)                  |
| EL 316    | Emergent/Early Literacy Instruction (3)        |
| EL 317    | Intermd & Middle School Literacy Instr (3)     |
| EL 354    | Meeting Needs of Struggling Readers (3)        |
| EL 355    | Content Area Literacy (3)                      |
| EL 410    | Differentiated Instruction (3)                 |
| EL 430    | Adv Field Experience (3)                       |
| EX 390    | Psych & Educ of the Except Child (3)           |
| PY/CF 120 | The Child: Devel/Conception to Adolsc (3)      |
| UI 506    | Educ Law & Society (3)                         |

### Additional Requirements: 39 Hours

*(Some courses may fulfill University Studies requirements)*

|        |  |
|--------|--|
| BS 118 | Intro Process Science Elem Teachers (1)  |
| BS 218 | Biological Science: A Process Apprch (3) |
| EC 101 | Economic Problems & Policies (3)         |
| EN 100 | English Composition I (3)                |
| EN 140 | Rhetoric & Critical Thinking (3)         |
| LI 243 | Children's Literature (3)                |
| MA 128 | Numbers & Operations for Educators (4)   |
| MA 418 | Geometry for Educators (4)               |
| PH 218 | Physical Science: A Process Approach (3) |
| PS 103 | U.S. Political Systems (3)               |
| SC 105 | Fundamentals of Oral Communication (3)   |
| UI 308 | Cult/Phys Landscapes (3)                 |
| US 105 | American History I (3)                   |

## ELEMENTARY EDUCATION

### (Curriculum pending state approval)

Students in the Elementary Education program are certified to teach in grades one through six. This program also offers the option to add on certification in one Middle School area: Language Arts, Math, Science, Social Sciences, grades five through nine (See section below for requirements). 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.

### Professional Education Requirements: 81 Hours

*(A minimum grade of "C" is required in each professional education course with the exception of ED280 which requires a minimum grade of B.)*

- CF 233 Creat Thought/Express in Children (3)
- ED 280 Intro to Educ as a Profession (3)
- EF 400 Seminar in Education Issues (1)
- EL 274 Diversity in America's Schools (3)
- EL 300 Asst/Instr Tech in Univ Desgn for Lrng Env (3)
- EL 310 Pedagogy: Elem/Instruct Models/Strat (3)
- EL 314 Literacy Field Experience (3)
- EL 316 Emergent/Early Literacy Instruction (3)
- EL 317 Intermd & Middle School Literacy Instr (3)
- EL 340 Classroom Management (3)
- EL 350 Content Field Experience (3)
- EL 354 Meeting Needs of Struggling Readers (3)
- EL 355 Content Area Literacy (3)
- EL 360 Integ Math/Science/Soc Sci/Health Instruct (3)
- EL 410 Differentiated Instruction (3)
- EL 420 Assess/Data Analysis (3)
- EL 430 Advanced Field Experience (3)
- EL 480 Elem Educ Student Teaching (12)
- EX 390 Psych & Educ of the Except Child (3)
- LI 243 Children's Literature (3)
- MA 128 Numbers & Operations for Educators (4)
- MA 418 Geometry and Measurement for Educators (4)
- PY/CF 120 The Child: Devel/Conception to Adolsc (3)
- UI 506 Education Law & Society (3)

### Additional Requirements:

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

- BS 118 Intro Process Science Elem Teachers (1)
- BS 218 Biological Science: A Process Apprch (3)
- EC 101 Economic Problems & Policies (3)
- EN 100 English Composition I (3)
- EN 140 Rhetoric & Critical Thinking (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)
- US 105 American History I (3)

### Approved elective – Choose 9 hours:

**Choose from the following areas, with advice of advisor - Autism, Family Engagement, Foreign Language, Inclusion, Middle School certification, TESOL**

## ELEMENTARY EDUCATION WITH ADD-ON MIDDLE SCHOOL EDUCATION CERTIFICATION

### (Curriculum pending state approval)

Students in the Elementary Education program may add on certification in one Middle School area: Language Arts, Math, Science, Social Sciences, grades five through nine. 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.

### Professional Education Requirements: 81 Hours

*(A minimum grade of "C" is required in each professional education course with the exception of ED280 which requires a minimum grade of B.)*

- CF 233 Creat Thought/Express in Children (3)
- ED 280 Intro to Educ as a Profession (3)
- EF 400 Seminar in Education Issues (1)
- EL 274 Diversity in America's Schools (3)
- EL 300 Asst/Instr Tech in Univ Desgn for Lrng Env (3)
- EL 314 Literacy Field Experience (3)
- EL 316 Emergent/Early Literacy Instruction (3)
- EL 317 Intermd & Middle School Literacy Instr (3)
- EL 340 Classroom Management (3)
- EL 350 Content Field Experience (3)
- EL 354 Meeting Needs of Struggling Readers (3)
- EL 355 Content Area Literacy (3)
- EL 360 Integ Math/Science/Soc Sci/Health Instruct (3)
- EL 410 Differentiated Instruction (3)
- EL 420 Assess/Data Analysis (3)
- EL 430 Advanced Field Experience (3)
- EL 480 Elem Educ Student Teaching (12)
- EX 390 Psych & Educ of the Except Child (3)
- LI 243 Children's Literature (3)
- MA 128 Numbers & Operations for Educators (4)
- MA 418 Geometry and Measurement for Educators (4)
- SE 360 Pedagogy 2: Interdis Method/Middle Schl (3)
- PY/CF 120 The Child: Devel/Conception to Adolsc (3)

### OR

- PY 222 Development of the Adolescent (3)
- UI 506 Education Law & Society (3)

**Additional Requirements for Middle School Certification:**

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

**Choose one content area:****Language Arts: 18 hours**

EN 201 Writing About Literature (3)

EN 378 Grammars of English (3)

LI 256 Variety of Literature (3)

**OR**

LI 385 Literature for Secondary Classroom

LI 270 American Literature I (3)

**OR**

LI 271 American Literature II (3)

LI 542 Literature for the Young Adult (3)

SE 319 Tech Teaching Lang Arts (3)

**Mathematics: 19 hours**

MA 137 Precalculus (5)

MA 138 Discrete Mathematics I (3)

MA 140 Analytic Geometry and Calculus I (5)

MA 223 Elementary Probability and Statistics (3)

SE 311 Tech Teaching Math (3)

**Science: 21 hours**

BI/CH/EP 405 Engineering in Science Education (1)

BS 105 Environmental Biology (3)

CH 181 Basic Principles of Chemistry (5)

PH 106 Physical Concepts (3)

PH 109 Exploring the Universe (3)

SE 320 Tech Teaching Science (3)

UI 318 Earth Science: A Process Approach (3)

**Social Studies: 15 hours**

EH 101 Early European Civilization (3)

OS 200 Survey of Social Science (3)

SE 318 Tech Teaching Social Studies (3)

US 107 American History II (3)

WH 305 World Civilizations (3)

**Additional Requirements: 28 Hours**

(These courses may also meet University Studies requirements)

BS 118 Intro Process Science Elem Teacher (1)

BS 218 Biological Science: A Process Approach (3)

EC 101 Econ Problems &amp; Policies (3)

EN 100 English Composition I (3)

EN 140 Rhetoric and Critical Thinking (3)

PH 218 Phys Sci: Process Approach (3)

PS 103 US Political Systems (3)

SC 105 Fund of Oral Communication (3)

UI 308 Cultural/Phys Landscapes/World (3)

US 105 American History I (3)

**EXCEPTIONAL CHILD EDUCATION WITH ELEMENTARY CERTIFICATION****(Curriculum pending state approval)**

Students in Early Childhood (birth through third grade) will also add on certification in elementary education (first through sixth grade) with this program. Students 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.

**Professional Education Requirements: 93 Hours**

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

CF 233 Great Thought/Express in Children (3)

ED 280 Intro to Educ as a Profession (3)

EF 400 Seminar in Education Issues (1)

EL 274 Diversity in America's Schools (3)

EL 300 Asst/Instr Tech in Univ Desgn for Lrng Env (3)

EL 314 Literacy Field Experience (3)

EL 316 Emergent/Early Literacy Instruction (3)

EL 317 Intermd &amp; Middle School Literacy Instr (3)

EL 350 Content Field Experience (3)

EL 354 Meeting Needs of Struggling Readers (3)

EL 355 Content Area Literacy (3)

EL 360 Integ Math/Science/Soc Sci/Health Instruct (3)

EL 420 Assess/Data Analysis (3)

EX 302 Lang Devel/Child w/ Exceptionalities (3)

EX 304 Classroom &amp; Behavior Management (3)

EX 305 Content Area Teach: Lrn/Trns Sec Stu with Except (3)

EX 309 Adv Fld Exp in Educ of Chldrn with Except (3)

EX 311 Intro to Children with Exceptionalities (3)

EX 312 Diag &amp; Remed of Math Difficulties (3)

EX 317 Assmt &amp; Tech of Teach Child with Except (3)

EX 373 Strat/Techn Teach Child with Except (3)

EX 480 Exceptional Child Educ Student Teaching (12)

EX 507 Families &amp; the Child with Exceptionalities (3)

LI 243 Children's Literature (3)

MA 128 Numbers &amp; Operations for Educators (4)

MA 418 Geometry and Measurement for Educators (4)

PY/CF 120 The Child

**OR**

PY 222 Development of the Adolescent (3)

UI 506 Education Law &amp; Society (3)

**Additional requirements:**

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

- BS 118 Process Science Elementary Teachers (1)
- BS 218 Biological Science: A Process Approach (3)
- EC 101 Economic Problems and Policies (3)
- EN 100 English Composition I (3)
- EN 140 Rhetoric & Critical Thinking (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)
- US 105 American History I (3)

**MIDDLE SCHOOL EDUCATION:  
Grades 5-9**

**(Curriculum pending state approval)**

**Middle School Professional Education Requirements: 49 Hours**

A minimum cumulative GPA of 2.75 is required for graduation and certification. A minimum 3.0 GPA in the professional education courses is required for graduation and certification.

Middle Level students must choose one area of concentration and take the following professional education courses:

*(A minimum grade of "C" is required in each professional education course with the exception of ED280 which requires a minimum grade of B.)*

- ED 280 Intro to Teaching (3)
- EF 400 Seminar/Educ Issues for Student Teachers (1)
- EX 390 Psych & Educ of Except Child (3)
- PY 222 Development of the Adolescent (3)
- SE 307 Reading/Writing in the Content Area (3)
- SE 311 Techniques of Teaching Mathematics (3)
- OR**
- SE 318 Tech of Teaching Sec Social Studies (3)
- OR**
- SE 319 Techniques of Teaching English (3)
- OR**
- SE 320 Techniques of Teaching Science (3)
- SE 350 Pedagogy 1: Prin of Effect Teach (3)
- SE 355 Field II (3)
- SE 360 Pedagogy 2: Interdis Method/Middle Schl (3)
- SE 380 Advanced Field (3)
- SE 385 Pedagogy 3: Mdl/Sec Edu Mthds of Sec Teach (3)
- SE 390 Instr Intervent/Mdl & Sec Stu/Spec Lit Needs (3)
- SE 465 Student Teaching (12)
- UI 506 School Law (3)

**Choose one content area – minimum 3.0 GPA required for graduation and certification:**

**Language Arts**

- EN 201 Writing About Literature (3)
- EN 378 Grammars of English (3)
- LI 243 Children's Literature (3)
- LI 256 Variety of Literature (3)
- LI 270 American Literature I (3)

**OR**

- LI 271 American Literature II (3)
- LI 385 Literature for the Secondary Classroom (3)
- LI 542 Literature for the Young Adult (3)
- SC 105 Fundamentals of Oral Communication (3)

**Mathematics**

- MA 128 Numbers & Operations for Educators (4)
- MA 137 Precalculus (5)
- MA 138 Discrete Mathematics I (3)
- MA 140 Analytic Geometry and Calculus I (5)
- MA 223 Elementary Probability and Statistics (3)
- MA 418 Geometry for Teachers (4)
- UI 438 The Nature/Growth of Mathematical Thought (3)

**Science**

- BI/CH/EP 405 Engineering in Science Education (1)
- BS 105 Environmental Biology (3)
- BS 118 Intro Process Science Elem Teacher (1)
- BS 218 Biological Science: A Process Approach (3)
- CH 181 Basic Principles of Chemistry (5)
- PH 106 Physical Concepts (3)
- PH 109 Exploring the Universe (3)
- PH 218 Physical Science: A Process Approach (3)
- UI 318 Earth Science: A Process Approach (3)

**Social Studies**

- EC 101 Economic Problems and Policies (3)
- EH 101 Early European Civilization (3)
- OS 200 Survey of Social Science (3)
- PS 103 US Political Systems (3)
- UI 308 Cultural/Physical Landscapes of the World (3)
- US 105 American History I (3)
- US 107 American History II (3)
- WH 305 World Civilizations (3)

**SECONDARY EDUCATION**

**(Curriculum pending state approval)**

**Secondary level majors must choose from the following majors:**

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

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

**The applicant must meet the following specifications:**

1. For applicants graduating before spring 2017 from a baccalaureate program approved by the department, an overall grade point average of 2.5 or higher on a 4.0 scale, and a 2.5 or higher on a 4.0 scale in the major area of study.
2. For applicants graduating in or after the spring 2017 from a baccalaureate program approved by the department, an overall grade point average of 2.75 or higher on a 4.0 scale, and a grade point average of 3.0 or higher in professional education and in the specific content area for which certification is sought.

**Professional Education Requirements: 47 Hours**

*(A minimum grade of "C" is required in each professional education course with the exception of ED280 which requires a minimum grade of B.)*

|        |  |
|--------|--|
| ED 280 | Intro to Teaching (3)                            |
| EF 400 | Seminar/Educ Issues for Student Teachers (1)     |
| EX 390 | Psych & Educ of Except Child (3)                 |
| PY 222 | Development of the Adolescent (3)                |
| SE 307 | Reading/Writing in the Content Area (3)          |
| SE 3xx | Methods of Teaching Subject Area (3)             |
| SE 350 | Pedagogy 1: Prin of Effect Teach (3)             |
| SE 355 | Field II (3)                                     |
| SE 365 | Pedagogy 2: Sec Schl-Interdis Mthds/Tech (4)     |
| SE 380 | Advanced Field (3)                               |
| SE 385 | Pedagogy 3: Mdl/Sec Edu Mthds of Sec Teach (3)   |
| SE 390 | Instr Intervent/Mdl & Sec Stu/Spec Lit Needs (3) |
| SE 465 | Student Teaching (12)                            |

## AGRICULTURAL EDUCATION

**54 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 125 | Plant Science Lab (1)         |
| AO 215 | Soils (3)                     |
| AY 101 | Animal Science (3)            |
| AY 105 | Animal Science Experience (2) |
| CH 181 | Basic Prin of Chem (5)        |

**OR**

|        |                           |
|--------|---------------------------|
| CH 185 | General Chemistry (5)     |
| HO 110 | Intro to Horticulture (3) |
| MA 134 | College Algebra (3)       |
| UI 344 | Plants & Humanity (3)     |
| UI 436 | Agricultural Ethics (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)          |
| AR 001 | Foundation Review (0)              |
| AR 100 | Drawing I (3)                      |
| AR 104 | 2D Design (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 323 | Art & New Technology (3)           |

**OR**

|        |                  |
|--------|------------------|
| AW 845 | Computer Art (3) |
| AR 330 | Fibers I (3)     |

**OR**

|        |                     |
|--------|---------------------|
| AW 847 | Fibers Workshop (3) |
| AR 332 | Sculpture I (3)     |

**OR**

|        |                               |
|--------|-------------------------------|
| AW 841 | Welded Sculpture Workshop (3) |
| AR 342 | Ceramics I (3)                |

**OR**

|        |                   |
|--------|-------------------|
| AR 847 | Raku Workshop (3) |
| AR 325 | Painting (3)      |

**OR**

|        |                                   |
|--------|-----------------------------------|
| AW 851 | Painting Workshop (3)             |
| UI 337 | Issues in Modern Architecture (3) |
| UI 461 | Issues in Modern Art (3)          |

**Choose 3 Hours From:**

|        |                          |
|--------|--------------------------|
| AR 302 | Printmaking (3)          |
| AR 303 | Screenprinting (3)       |
| AR 501 | Intaglio Printmaking (3) |
| AR 502 | Litho Printmaking (3)    |

Every year, artwork must be entered in the Juried Student Assessment Exhibition.



## BIOLOGY EDUCATION

### 43-64 Hour Major - No Minor Required Required Courses:

- BI 151 Biological Reasoning (3)
- BI 153 Intro to Organismal Biology (4)
- BI 154 Genetics and Cell Biology (4)
- BI 200 General Microbiology (3)
- BI 332 General Ecology (3)
- BI 405 Engr in Science Educ (1)
- BI 489 Analysis of Biological Issues (2)
- MA 134 College Algebra (3)
- UI 318 Earth Science: Proc Approach (3)
- UI 422 Scientific Reasoning (3)

### Choose One Option:

#### BIOLOGY EDUCATION OPTION:

- BS105 Environmental Biology (3)
- 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)

### 3 hours approved Biology electives at the 300-500 level

#### UNIFIED SCIENCE OPTION:

- BO 3xx/4xx Advanced Botany (3)
- BS 113 Anatomy & Physiology I (4)
- BS 114 Anatomy & Physiology II (4)
- CH 185 General Chemistry (5)
- CH 186 Found of Inorganic Chem (3)
- GO 110 Physical Geology (3)
- MA 133 Plane Trigonometry (3)
- PH 120 Intro Physics I (5)
- PH 121 Intro Physics II (5)

## CHEMISTRY EDUCATION

### 53 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 306 Found of Phys Chem (3)
- CH 341 Found of Organic Chem (4)

- CH 342 Organic Chemistry Lab I (1)
- CH 405 Engr in Science Education (1)
- MA 134 College Algebra (3)
- MA 139 Applied Calculus (3)
- PH 120 Introductory Physics I (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)

#### 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)

## ENGLISH EDUCATION

### 39 Hour Major - No Minor Required

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

#### Required Courses:

- EN 140 Rhet & Critical Thinking (3)
- EN 201 Writing About Literature (3)
- EN 378 Grammars of English (3)
- EN 379 Composition in the Secondary School (3)
- LI 256 Variety of Literature (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 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)

## 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:

- FR 311 Survey of French Literature II (3)  
 FR 375 French Cinema (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)

## 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:

- GN 310 Survey of German Literature I (3)  
 GN 311 Survey of German Literature II (3)  
 GN 375 History of German Film (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 3 Hours any German Language Course

#### Choose 6 Hours in German Language or Literature

## MATHEMATICS EDUCATION

### 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 223 Elem Probability & Statistics (3)

#### OR

- MA 523 Probability & Statistics I (3)  
 MA 244 Analytic Geometry & Calculus III (4)  
 MA 250 Foundations of Mathematics (3)  
 MA 334 Mathematical Programming (3)  
 MA 340 Concepts of Geometry (3)  
 MA 345 Linear Algebra (3)  
 MA 443 Elementary Number Theory (3)  
 MA 445 Modern Algebra (3)  
 MA 449 Mathematical Problem Solving (3)  
 UI 438 Nature & Growth of Mathematical Thought (3)

## PHYSICAL EDUCATION

### (PK-12 CERTIFICATE)

### 58 Hour Major - No Minor Required

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

#### Required Courses:

- AT 174 Rock Climbing & Rappelling (1)  
 BS 113 Anatomy & Physiology I (4)  
 FN 235 Nutrition for Health (3)  
 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 261 Conc Injury Mgmt in PE (3)  
 PE 262 Introduction to Group Exercise (1)  
 PE 263 Injury Mgmt in PE Lab (1)

- 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 148 Yoga (1)
- AT 153 Angling, Archery & Firearms (1)
- AT 164 Golf (1)
- AT 176 Tennis (1)

**Choose One Hour From the Following:**

- AT 130 Aerobics (1)
- DA 130 Ballroom Dance (1)
- DA 186 Beginning Jazz Dance (1)

**PHYSICS EDUCATION**

**57-67 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)
- EP 405 Engr in Science Educ (1)
- MA 140 Analy Geom & Calc I (5)
- MA 145 Analy Geom & Calc II (4)
- MA 244 Analy Geom & Calc III (4)
- PH 230/030 General Physics I (5)
- PH 231/031 General Physics II (5)
- PH 360 Modern Physics (3)
- UI 330 Experimental Methods I (3)
- UI 422 Scientific Reasoning (3)

**Choose 3 Hours From:**

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

**Choose 6 Hours From:**

- CS 177 Progr for Scientists/Engrs (3)
- EP xxx
- PH xxx

**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)

**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)

**Choose 3 hours at the 300-599 level:**

- EP xxx
- PH xxx

**UNIFIED SCIENCE OPTION:**

- BI 153 Intro to Organism Biology (4)
- BS 218 Bio Science: A Process Approach (3)
- CH 185 General Chemistry (5)
- CH 186 Found of Inorganic Chem (3)
- GO 110 Physical Geology (3)
- UI 318 Earth Sci: Process Approach (3)

**Choose 3 hours:**

- EP xxx
- PH xxx

**SOCIAL STUDIES EDUCATION**

**51 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)
- 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:**

- Any US history courses (300-599) (3)
- UI313 The African American Experience (3)
- UI446 The Civil Rights Movement (3)
- UI457 African American Slavery (3)
- UI508 Afr Am during the Era of Segreg & Jim Crow (3)

**Choose 3 hours:**

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

## Southeast Missouri State University 2015-16

**Choose 3 hours:**

Any WH course (3)

**Choose 3 hours:**

- PS310 Government & Politics of the American States (3)  
 PS335 American Foreign Policy (3)  
 PS360 Political Parties & Voting Behaviors (3)  
 PS365 Legislative Process (3)  
 PS390 American Judicial System (3)  
 PS490 Constitutional Law (3)  
 UI357 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:**

- SN 400 Special Topics: Spanish (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)****TECHNOLOGY AND ENGINEERING EDUCATION****44 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)  
 CH 181 Basic Prin of Chem (5)  
 CM 143 Construction Methds & Matls I (3)  
 ET 160 Basic Electricity & Electronics (3)  
 ET 304 Fund of Programmable Logic Cntrls (3)

- GM 180 Intro to Tech Graphics (3)  
 IE 401 Technology Education Mgt (3)  
 IE 593 Princ/Pract of Technical Subjects (3)  
 IE 596 Found of Career & Tech Educ (3)  
 MA 134 College Algebra (3)  
 MN 120 Fund of Engr Design Processes (3)  
 MN 221 Solid Modeling & Rapid Prototyping (3)

**Choose 6 Hours From:**

- CM 226 Resid Arch Drft & Design (3)  
 CM 243 Constr Methods & Materials II (3)  
 CM 320 Construction Cost Estimating (3)  
 ET 365 Industrial Electrical Power (3)  
 ET 426 Sustainable Energy Tech (3)  
 GM 200 Vector Bitmapped Graph/Industry (3)  
 IE 590 Assess in Career & Tech Educ (3)  
 IE 592 Select/Organization of Subject Matter (3)  
 IE 597 Coordination of Cooperative Educ (3)  
 MN 170 Engr Matls & Testing (3)  
 MN 203 Indust Matls & Processes I (3)  
 MN 324 Mechanical Design Processes (3)

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

For students planning to teach occupational family and consumer sciences or consumer education 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****36 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 402 Relationships of Commitment (3)  
 CF 430 Parent Child Interaction (3)  
 FA 207 Textiles (3)

**OR**

- FA 120 Clothing Construction (3)  
 FE 200 Family Resource Management (3)  
 FN 235 Nutrition for Health (3)  
 HM 205 Basic Culinary Techniques (3)  
 UI 340 Housing Perspectives (3)  
 UI 355 Consumer in the Market (3)  
 UI 445 Social Perspectives of Sexuality (3)

**Professional Education Requirements: 49 Hours**

*(A minimum grade of “C” is required in each professional education course with the exception of ED280 which requires a minimum grade of B.)*

- ED 280 Intro to Teaching (3)
- EF 400 Seminar/Educ Issues for Student Teachers (1)
- EX 390 Psych & Educ of Except Child (3)
- PY 222 Development of the Adolescent (3)
- SE 307 Reading/Writing in the Content Area (3)
- SE 3xx Methods of Teaching Subject Area (3)
- SE 350 Pedagogy 1: Prin of Effect Teach (3)
- SE 355 Field II (3)
- SE 365 Pedagogy 2: Sec Schl-Interdis Mthds/Tech (4)
- SE 380 Advanced Field (3)
- SE 385 Pedagogy 3: Mdl/Sec Edu Mthds of Sec Teach (3)
- SE 390 Instr Intervent/Mdl & Sec Stu/Spec Lit Needs (3)
- SE 465 Student Teaching (12)

**BACHELOR OF MUSIC EDUCATION DEGREE**

For students planning to teach elementary or secondary school music.

**MUSIC EDUCATION**

**63-65 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)
- MM 314 Instrumentation & Arranging (2)
- 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)

**OR**

- UI 402 Music in World Cultures (3)

**Choose One Option:**

**INSTRUMENTAL (21 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 (1)
- ME 261 Percussion Techniques (2)
- ME 372 Instru Tech: Elem & Secon (3)
- ME 400 Marching Band Techniques (1)
- MU 220 Vocal Techniques (1)
- MU 344 Conducting/ Wind Lit (2)
- MU 3xx Instrumental Ensemble (7)

**VOCAL (20 Hours)**

- ME 373 Choral Tech: Elem & Secon (3)
- ME 443 Choral Literature (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)

**Professional Education Requirements: 39 Hours**

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

- EF 400 Seminar/Educ Issues for Student Teachers (1)
- EX 390 Psych & Educ of Except Child (3)
- ME 222 Principles of Teaching Music (3)
- ME 270 Field Experience Block II (1)
- ME 272 Techniques/Teaching Reading in Music (3)
- ME 371 General Music Methods: Elem & Sec (3)
- ME 370 Field Experience Block III (1)
- ME 465 Student Teaching (12)
- PY 222 Development of the Adolescent (3)
- SE 350 Pedagogy 1: Prin of Effect Teach (3)
- SE 365 Pedagogy 2: Sec Schl-Interdis Mthds/Tech (3)
- SE 385 Pedagogy 3: Mdl/Sec Edu Mthds of Sec Teach (3)



## BACHELOR OF MUSIC DEGREE

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

### MUSIC

#### 79-83 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 001 Aural Skills Entry Level Proficiency (0)
- MM 002 Aural Skills Exit Level Proficiency (0)
- 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)
- MM 312 Adv Form & Analysis (3)
- MU 001 Piano Proficiency (0)
- MU 002 Sophomore Review (0)
- MU 110 Recitals & Concerts (eight 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 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)

*\*Required for Composition Option*

##### Choose One Option:

#### COMPOSITION (40 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 xxx Applied Music: Piano (2)
- MU 299 Chamber Music (2)

- MU 430 Pedagogy: Applied Area (2)
- MU 432 Literature: Applied Area (2)
- MU xxx Major Ensemble (8)
- MU xxx Music Electives MU 300 or above (6)

##### Additional Requirement:

- xx xxx 6 Hours in any foreign language offered by Southeast

#### 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)

##### Additional Requirement:

- xx xxx 6 Hours in any foreign language offered by Southeast

#### 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)

##### Additional Requirement:

- xx xxx 6 Hours in either French or German

## 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 14. 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)*       |
| MA 155 | Statistical Reasoning (3)       |
| PY 220 | Psych Dev Across Lifespan (3)   |
| UI 412 | American Health Care System (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 (3) |

**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 any required developmental courses 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.

**Minimum Degree requirements 72 Hours**

**Required Courses 39 Hours**

**Additional Requirements 33 Hours**

### 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/Appl: Preschool (3)
- CF 285 Learn Theory/Appl: 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 128 Numbers & Operations for Educators (4)\*
- PH 218 Physical Science: A Process Approach (3)\*
- PS 103 U.S. Political Systems (3)\*
- SW 121 Helping Skills for Human Services (3)\*
- UI 100 First Year Experience (3)
- US 105 American History I (3)\*

### OR

- US 107 American History II (3)\*

*\*Fulfills University Studies requirement*

**NOTE:** MA 106 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)
- TN 255 Microcomputer Maint & Trblshtng (3)
- TN 275 Intro to Networks (3)
- TN 375 Routing/Switching Essentials (3)
- TN 395 Server Maint & Trblshtng (3)
- TN 425 Wireless Comm & Mobile Data Networks (3)
- TN 475 Scaling Networks (3)
- TN 563 LAN Switching (3)

**Choose 6 hours from:**

- CY 201 Intro to Cybersecurity (3)
- IM 317 Industrial Internship (3)
- TN 435 Network Security (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 HDLSR Video Capture (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 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 who want to become chiropractors. 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 a limited 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 who want to become dentists. 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 who want to become physicians. 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 who want to become optometrists. 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 required, dependent on school attending. 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.

