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 the Measure of Academic Proficiency and Progress (MAPP) at the freshman and senior levels.
• No more than one-half of the junior college and one-half of the senior college work on a major or minor may be taken by correspondence and/ or extension.
• A minimum cumulative GPA of 2.0 is required for graduation, except for the B.S. in Education, the B.S. in Family and Consumer Sciences Education, 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 and the major in Social Work which requires a 2.25 GPA for graduation.
• 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 EN 099 and MA 106 or score at the appropriate levels on placement tests to have the courses waived.

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

DEGREES/MAJORS

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

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

College of Education (Ed)
Scully Building, room 308
Telephone (573) 651-2128

College of Health & Human Services (H&HS)
Academic Hall, room 057
Telephone (573) 651-2015

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:

<table>
<thead>
<tr>
<th>Degree</th>
<th>Page</th>
</tr>
</thead>
<tbody>
<tr>
<td>Bachelor of Arts (BA)</td>
<td>81</td>
</tr>
<tr>
<td>Bachelor of Fine Arts (BFA)</td>
<td>87</td>
</tr>
<tr>
<td>Bachelor of General Studies (BGS)</td>
<td>89</td>
</tr>
<tr>
<td>Bachelor of Science (BS)</td>
<td>89</td>
</tr>
<tr>
<td>Bachelor of Science in Athletic Training (BSAT)</td>
<td>108</td>
</tr>
<tr>
<td>Bachelor of Science in Bus Admin (BSBA)</td>
<td>109</td>
</tr>
<tr>
<td>Bachelor of Science in Education (BSED)</td>
<td>112</td>
</tr>
<tr>
<td>Bachelor of Family &amp; Consumer Sciences Education (BFCSE)</td>
<td>120</td>
</tr>
<tr>
<td>Bachelor of Music Education (BME)</td>
<td>121</td>
</tr>
<tr>
<td>Bachelor of Music (BM)</td>
<td>122</td>
</tr>
<tr>
<td>Bachelor of Science in Nursing (BSN)</td>
<td>123</td>
</tr>
<tr>
<td>Associate degrees (AA, AAS)</td>
<td>124</td>
</tr>
</tbody>
</table>

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

MAJOR/DEGREE                DEPARTMENT/COLLEGE
Accounting/BSBA             Accounting/Bus
Advertising                 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/HS  Biology/BS, BSED
Biology/BS, BSED           Biology/ST&A
Business Administration/BSBA Harrison College of Business
Business Education/BSED     Accounting/Bus
Chemistry/BA, BS, BSED     Chemistry/ST&A
Child Care & Guidance/AA   Human Envir. Studies/HS
Child Development           (see Human Envir. Studies)
Commercial Photography/BS   Polytechnic Studies/ST&A
Communication Disorders/BS  Comm Disorders/HS
Communication Studies/BA   Communication/Lib Arts
Computer/Multimedia Graphics (see Polytechnic Studies)
Computer Information Systems/BS (see Polytechnic Studies)
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                  Corrections
Criminology                 Criminology
Law Enforcement              Law Enforcement
Cybersecurity/BS             Polytechnic Studies/ST&A
Dance/BA, BFA               Theatre & Dance/Lib Arts
Dietetics                   (see Human Envir. Studies)
Early Childhood Educ/BSED   Early Elem & Special Edu/Ed
Economics/BS                Economics & Finance/Bus
Economics/BSBA              Economics & Finance/Bus
Business Economics           Business Economics
Financial Economics          Financial Economics
Elementary Education/BSED    Early Elem & Special Edu/Ed
Emergency Preparedness/BS    College of Science, Tech & Agric
Engineering Physics/BS      Physics & Engr Physics/ST&A
Computer Applications       Computer Applications
Electrical Applications     Electrical Applications
Mechanical Applications     Mechanical Applications
Engineering Technology/BS   Polytechnic Studies/ST&A
Electrical & Control        Electrical & Control
Mechanical/Manufacturing Systems
Engineering Technology Education/BSED Polytechnic Studies/ST&A
English/BA, BSED            English/Lib Arts
Literature                  Literature
Writing                     Writing
Entrepreneurship            (see Management)
Environmental Science/BS    Environmental Sci/ST&A
Exceptional Child Educ/BSED Early Elem & Special Edu/Ed
Family & Consumer Sciences Human Envir. Studies/HS
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/ BS                  Global Cult & Lang/HS
German/BSBA                 Global Cult & Lang/HS
General Studies/BS           University Studies
German/BS                   Global Cult & Lang/HS
Global Cultures & Languages BA Global Cult & Lang/HS
Anthropology                Anthropology
Foreign Language            Foreign Language
Global Studies              Global Studies
Health Management/BS        Health, Hum Perf & Rec/H&HS
Exercise Science            Exercise Science
Health Promotion            Exercise Science
Historic Preservation/BS     History/Lib Arts
History/BA                  History/Lib Arts
Hospitality Mgt/BS           Human Envir. Studies/HS
Human Environmental         Human Envir. Studies/H&HS Studies/BS
Child Development           Child Development
Dietetics                   Dietetics
Family Studies              Family Studies
Fashion Merchandising       Fashion Merchandising
Interior Design             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            Entrepreneurship
Human Resource Management   Management
Marketing/ BSBA             Mgmt & Mktg/Bus
Integrated Marketing Comm   Integrated Marketing Communication
Management                 Marketing Management
Sales Management            Sales Management
Bachelor of Arts Majors
Southeast Missouri State University 2014-15

**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

**Music/BM**..................................................Music/Lib Arts

**Physics/BS, BSED**......................................Physics/ST&A
Middle School Education............................Middle & Secondary Ed/Ed
Multimedia Journalism..............................(see Mass Communication)

**Music/BA**..................................................Music/Lib Arts

**Physical Education, PK-12/BSED**.................Music/Lib Arts

**Political Science/BA, BS**............................History/Lib Arts

**Public Relations**.......................................Communications/Lib Arts

**Spanish/ BSED**.........................................Foreign Language

**Social Studies/BSED**.................................Social Work/Lib Arts

**Social Work/BS**.........................................Social Work/H&HS

**Social Work/BSE**.......................................Global Cult & Lang/Lib Arts

**Sport Management/BS**...............................Health, Hum Perf & Rec/H&HS

**Technology Management/BS**......................Polytechnic Studies/ST&A

**Theatre/BFA**.............................................Theatre & Dance/Lib Arts

**Theatre/BA**.............................................Theatre & Dance/Lib Arts

**Television & Film**......................................(see Mass Communication)

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**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**

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**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, two pieces of artwork must be entered in the Juried Student Assessment Exhibition.

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**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 311** Found of Physical Chem (4)
- **CH 313** Physical Chem Lab (3)
- **CH 341** Found of Organic Chem (4)
- **CH 342** Organic Chemistry Lab I (1)
- **CH 498** Professional Presentation in Chemistry (1)
- **CH 531** Found of Biochemistry (3)

OR
Bachelor of Arts Majors

Southeast Missouri State University 2014-15

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 OPTION**

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 Lab (2)

**FORENSIC SCIENCE OPTION – no minor required**
CH 420 Forensic Chemistry (4)
CJ 100 Introduction to Criminal Justice (3)
CJ 350 Criminalistics (3)
FS 550 Crime Laboratory I: Microscopy (2)
FS 552 Crime Laboratory II: Blood and Fluids (2)

**Take one of the following courses:**
CH 575 Chemical Instrumentation (4)
EV 460 Introduction to Toxicology (3)

**DANCE**

47 Hour Major - Minor Required

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

**Choose 6 hours:**
DA 211 Ballet I (2)
DA 311 Ballet II (2)
DA 411 Ballet III (2)

**Choose 6 hours:**
DA 221 Modern Dance I (2)
DA 321 Modern Dance II (2)
DA 421 Modern Dance III (2)

**Choose 6 hours:**
DA 226 Jazz Dance I (2)
DA 326 Jazz Dance II (2)
DA 426 Jazz Dance III (2)

Additional requirement:
UI 384 History of the Musical (3)

OR
UI 433 Aesthetics of Movement (3)

**Communication Studies**

30 Hour Major - Minor Required

**Required Courses:**
SC 001 Exit Interview (0)
SC 105 Fund of Oral Communication (3)

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

OR
SC 560 Organizational Communication (3)

Choose 15 Hours from the Following:
SC 215 Intercultural Communication (3)
SC 310 Speech Writing (3)
SC 314 Argumentation & Problem Solving (3)
SC 330 Corporate & Professional Comm (3)
SC 335 Interviewing (3)
SC 355 Relational Comm Strategies (3)
SC 360 Experiential Comm Proj (1-3)
SC 406 Negotiation & Conflict Mgmt (3)
SC 463 Independent Study (3)
SC 482 Special Problems in Comm Studies (3)
SC 483 Internship in Speech Comm (3)
SC 510 Leadership & Team Building (3)
SC 560 Organizational Communication (3)
UI 301 Managerial Communication (3)
UI 320 Modern Presidency (3)
UI 423 Political Communication (3)
UI 425 Persuasion (3)
UI 504 Leaders of Social Change (3)

**DANCE**

47 Hour Major - Minor Required

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

**Choose 6 hours:**
DA 211 Ballet I (2)
DA 311 Ballet II (2)
DA 411 Ballet III (2)

**Choose 6 hours:**
DA 221 Modern Dance I (2)
DA 321 Modern Dance II (2)
DA 421 Modern Dance III (2)

**Choose 6 hours:**
DA 226 Jazz Dance I (2)
DA 326 Jazz Dance II (2)
DA 426 Jazz Dance III (2)

**4 hours must 300-400 level**

**Additional requirement:**
UI 384 History of the Musical (3)

OR
UI 433 Aesthetics of Movement (3)
**ENGLISH**

36 Hour Major - Minor Required

**Required Courses:**

| Writing (Choose 6 hours):  | EN 201 Writing About Literature (3) |
|                           | EN 275 Intro to Creative Writing (3) |
|                           | EN 376 Advanced Composition* (3) |
  *Required for Writing option

| Surveys (Choose 9 hours): | LI 260 English Lit I (3) |
|                         | LI 261 English Lit II (3) |
|                         | LI 270 American Lit I (3) |
|                         | LI 271 American Lit II (3) |

**World Survey (Choose 3 hours):**
- LI 311 World Literature I (3)
- LI 312 World Literature II (3)

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

**Choose One 15 Hour Option:**

**LITERATURE OPTION**

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

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

**American Literature (Choose 6 hours):**
- LI 421 Cross-Cultural Amer Voices (3)
- LI 565 Southern Literature (3)
- LI 568 19th Century American Novel (3)
- LI 570 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)
- LI 572 The Modern Essay (3)
- LI 574 Australian Literature (3)
- LI 587 Women and Madness (3)
- UI 332 Images of Women in Literature (3)

**WRITING OPTION**

**Writing Techniques (Choose 3 hours):**
- EN 376 Advanced Composition* (3)
- EN 550 Style in Writing (3)
- LI 572 The Modern Essay (3)
  *Unless taken in the core

**American Literature (Choose 3 hours):**
- LI 421 Cross-Cultural Amer Voices (3)
- LI 542 Literature for the Young Adult (3)
- LI 565 Southern Literature (3)
- LI 570 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 Other Cultures (3)**
**AN 181 Intro to Cultural Anthropology (3)**
**FR/GN/SN 220 French/German/Hispanic Lit (3)**
  OR
**LI 220 Fiction & the Human Experience (3)**
9 Hours of Same Foreign Language* Other Foreign Language (3)
  OR
**GG 150 Peoples & Places of the World (3)**
**PS 104 Comparative Political Systems (3)**
  *When choosing the Foreign Language or Global Studies option, language taken must match the track that is chosen.
  **GG 150 required for Global Studies Option.
### Bachelor of Arts Majors

**Southeast Missouri State University 2014-15**

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**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 Languages (3)
- **FL 852** Field Exp in Foreign Language (3)
- **FR 301** Intern 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 I (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** Intern Spanish Composition (3)
- **SN 302** Exp Spanish Lang/Culture (1)
- **SN 305** Conversational Spanish (3)
- **SN 306** Civilization of Spain (3)
- **SN 330** Spanish Grammar (3)
- **SN 400** Special Topics: Spanish (3)
- **SN 402** Independent Study in Spanish (3)
- **SN 403** Survey of Spanish Lit I (3)
- **SN 404** Survey of Spanish Lit II (3)
- **SN 430** Spanish American Lit I (3)
- **SN 435** Spanish American Lit II (3)
- **SN 495** For Lang Internship in Spanish (3)

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

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

**OR**

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

**Chinese Track**

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

**Francophone Track:**

- **FR 306** Contemporary France (3)

**Germanic Track:**

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

**Hispanic Track:**

- **SN 300** Spanish American Culture (3)

**OR**

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

**OR**

- **WH 524** History of Mexico Since 1810 (3)

**Japanese Track:**

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

**See Department for list of approved electives**

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

39 Hour Major - Minor Required

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

Choose 15 Senior Level Hours From:
- EH xxx (6)
- US xxx (6)
- WH xxx (3)

Choose 6 Senior Level Hours From:
- EH, GH, US OR WH prefix courses (6)

Choose an additional 12 Hours of EH, GH, US, WH, HP 100, HP 200 or departmentally approved UI courses
(Only 3 Hours UI courses can be counted on major)

Additional Requirement:
- xx xxx 6 Hours in ONE Foreign Language

Choose one of the following options:
- xx xxx 6 Hours in Foreign Language
  OR
- PL 120 Symbolic Logic (3)
  OR
- PY 271 Research Design & Analysis I (3)
  OR
- QM 257 Business Statistics I (3)
  OR
- SO/SW 242 Stats for Social Scientists (3)
  OR
- Any MA prefix course numbered 123 or above (3)

MUSIC

50-52 Hour Major - Minor Required

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

Required courses for Instrumental & Vocal Track:
- 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)
- MH 251 History & Lit of Music to 1827 (3)
- MH 252 Evolution of Musical Style Since 1827 (3)
- MP 001 Recital (0)
- MP 1xx Applied Music (2)
- MP 2xx Applied Music (2)

PHILOSOPHY

31 Hour Major - Minor Required

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

Choose 9 Hours of PL or Departmentally Approved UI Courses
(At least one course must be 300-400 level)

POLITICAL SCIENCE

30 Hour Major - Minor Required

Required Courses:
- PS 001 Senior Assessment (0)
- PS 103 United States Political Systems (3)
  OR
PS 104  Comparative Political Systems (3)
PS 240  Intro to Political Science (3)
PS 470  Politics of the Developed World (3)

Choose 21 Hours From the Following Categories:
(3 Hours from Each Category plus 6 Additional Hours)

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

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

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

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

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

Additional Requirement:
xx xxx  12 Hours in ONE Foreign Language

SOCIAL SCIENCE

39 Hour Major – No Minor Required

Required Courses:
OS 200  Survey of Social Science (3)
OS 300  Problems in Social Science (3)
OS 400  Social Science Research Methods (3)

Choose one of the following courses:
MA 155  Statistical Reasoning (3)
MA 223  Elementary Probability and Statistics (3)
PY 271  Research Analysis I (3)
QM 257  Business Statistics (3)
SO 242/SW242 Statistics for Social Scientists (3)

Choose 21 Hours in a Concentration in one of the following areas.
At least 15 Hours must be at the 300-500 level:
Anthropology
Criminal Justice
Economics
History (any prefix)
Political Science
Psychology
Sociology

Choose 6 Hours from any courses (300-599) in the areas below except for the area of concentration:
Anthropology
Criminal Justice
Economics
History (any prefix)
Political Science
Psychology
Sociology

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

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

THEATRE

48 Hour Major - Minor Required

Required Courses:
TH 105  Rehearsal & Production I (2)
TH 155  Makeup (3)
TH 218  Acting I (3)
TH 231  Stagecraft I (3)
<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
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<tbody>
<tr>
<td>TH 251</td>
<td>Costume Construction (3)</td>
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<tr>
<td>TH 305</td>
<td>Rehearsal &amp; Production II (6)</td>
<td></td>
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<tr>
<td>TH 381</td>
<td>Script Analysis (3)</td>
<td></td>
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<tr>
<td>TH 385</td>
<td>Directing I (3)</td>
<td></td>
</tr>
<tr>
<td>TH 490</td>
<td>Theatre History I (3)</td>
<td></td>
</tr>
<tr>
<td>TH 495</td>
<td>Theatre History II (3)</td>
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</tr>
<tr>
<td><strong>Choose 3 hours:</strong></td>
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</tr>
<tr>
<td>TH 265</td>
<td>Drawing for Theatre I (3)</td>
<td></td>
</tr>
<tr>
<td>TH 316</td>
<td>Acting II (3)</td>
<td></td>
</tr>
<tr>
<td><strong>Select 13 Hours from:</strong></td>
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<tr>
<td>TH 122</td>
<td>Class Voice for Musical Theatre I (3)</td>
<td></td>
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<tr>
<td>TH 219</td>
<td>Auditioning (1)</td>
<td></td>
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<tr>
<td>TH 222</td>
<td>Class Voice/Mus Theatre II (3)</td>
<td></td>
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<tr>
<td>TH 223</td>
<td>Movement for the Actor I (3)</td>
<td></td>
</tr>
<tr>
<td>TH 266</td>
<td>Drawing for the Theatre II (3)</td>
<td></td>
</tr>
<tr>
<td>TH 317</td>
<td>Voice for the Actor I (3)</td>
<td></td>
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<tr>
<td>TH 318</td>
<td>Musical Theatre Performance I (3)</td>
<td></td>
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<tr>
<td>TH 319</td>
<td>Acting for Film and Television (3)</td>
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<tr>
<td>TH 321</td>
<td>Stage Combat (3)</td>
<td></td>
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<tr>
<td>TH 322</td>
<td>Class Voice/Mus Theatre III (2)</td>
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</tr>
<tr>
<td>TH 323</td>
<td>Movement for the Actor II (3)</td>
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</tr>
<tr>
<td>TH 331</td>
<td>Stagecraft II (3)</td>
<td></td>
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<tr>
<td>TH 350</td>
<td>Stage Lighting I (3)</td>
<td></td>
</tr>
<tr>
<td>TH 351</td>
<td>Costume Design I (3)</td>
<td></td>
</tr>
<tr>
<td>TH 361</td>
<td>Scene Painting (3)</td>
<td></td>
</tr>
<tr>
<td>TH 371</td>
<td>Scenic Design I (3)</td>
<td></td>
</tr>
<tr>
<td>TH 375</td>
<td>Performing Arts Mgmt (3)</td>
<td></td>
</tr>
<tr>
<td>TH 386</td>
<td>Sound Design (3)</td>
<td></td>
</tr>
<tr>
<td>TH 395</td>
<td>Period &amp; Style (3)</td>
<td></td>
</tr>
<tr>
<td>TH 416</td>
<td>Acting Styles (3)</td>
<td></td>
</tr>
<tr>
<td>TH 417</td>
<td>Voice for the Actor II (3)</td>
<td></td>
</tr>
<tr>
<td>TH 418</td>
<td>Musical Theatre Performance II (3)</td>
<td></td>
</tr>
<tr>
<td>TH 429</td>
<td>Accents/Dialects for the Actor (3)</td>
<td></td>
</tr>
<tr>
<td>TH 431</td>
<td>Stage Combat II (3)</td>
<td></td>
</tr>
<tr>
<td>TH 450</td>
<td>Stage Lighting II (3)</td>
<td></td>
</tr>
<tr>
<td>TH 451</td>
<td>Costume Design II (3)</td>
<td></td>
</tr>
<tr>
<td>TH 471</td>
<td>Scenic Design II (3)</td>
<td></td>
</tr>
<tr>
<td>TH 485</td>
<td>Directing II (3)</td>
<td></td>
</tr>
</tbody>
</table>

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

## BACHELOR OF FINE ARTS DEGREE

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

The areas from which majors must be chosen are:

- Art
- Dance
- Theatre

## ART

### 81 Hour Major - No Minor Required

A 3.0 grade point average in the major must be maintained. Grade of ‘C’ or better required in all BFA-Art major courses.

**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.

## DANCE

### 82 Hour Major – No Minor Required

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

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

**Required Courses:**

- DA 105 Rehearsal & Production I (2)
- DA 280 Movement Analysis (3)
**Bachelor of Fine Arts Majors**

Southeast Missouri State University 2014-15

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>DA 282</td>
<td>Movement Improv (3)</td>
<td></td>
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<tr>
<td>DA 290</td>
<td>Dance in World Cultures (3)</td>
<td></td>
</tr>
<tr>
<td>DA 305</td>
<td>Rehearsal &amp; Production II (6)</td>
<td></td>
</tr>
<tr>
<td>DA 380</td>
<td>Choreography I (3)</td>
<td></td>
</tr>
<tr>
<td>DA 390</td>
<td>Topics in Dance (6)</td>
<td></td>
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<tr>
<td>DA 3XX</td>
<td>Physiology of Dance (3)</td>
<td></td>
</tr>
<tr>
<td>DA 430</td>
<td>Prin of Teaching Dance (3)</td>
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</tr>
<tr>
<td>DA 485</td>
<td>Choreography II (6)</td>
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<tr>
<td>DA 490</td>
<td>Dance History (3)</td>
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</tr>
<tr>
<td>DA 498</td>
<td>BFA Project (2)</td>
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<tr>
<td>DA 499</td>
<td>Internship (4)</td>
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**Choose 8 hours:**

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<tr>
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<tbody>
<tr>
<td>DA 211</td>
<td>Ballet I (2)</td>
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<tr>
<td>DA 311</td>
<td>Ballet II (2)</td>
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<tr>
<td>DA 411</td>
<td>Ballet III (2)</td>
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**Choose 8 hours:**

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<tbody>
<tr>
<td>DA 221</td>
<td>Modern Dance I (2)</td>
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<tr>
<td>DA 321</td>
<td>Modern Dance II (2)</td>
<td></td>
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<tr>
<td>DA 421</td>
<td>Modern Dance III (2)</td>
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**Choose 8 hours:**

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<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
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<tbody>
<tr>
<td>DA 226</td>
<td>Jazz Dance I (2)</td>
<td></td>
</tr>
<tr>
<td>DA 326</td>
<td>Jazz Dance II (2)</td>
<td></td>
</tr>
<tr>
<td>DA 426</td>
<td>Jazz Dance III (2)</td>
<td></td>
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</table>

*6 hours must be 300-400 level

**Choose 8 hours:**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
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</thead>
<tbody>
<tr>
<td>DA 411</td>
<td>Ballet III (2)</td>
<td></td>
</tr>
<tr>
<td>DA 421</td>
<td>Modern Dance III (2)</td>
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<tr>
<td>DA 426</td>
<td>Jazz Dance III (2)</td>
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**Choose 3 hours:**

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<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
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<tbody>
<tr>
<td>DA 236</td>
<td>Tap I (2)</td>
<td></td>
</tr>
<tr>
<td>DA 336</td>
<td>Tap II (2)</td>
<td></td>
</tr>
<tr>
<td>TH 155</td>
<td>Makeup (3)</td>
<td></td>
</tr>
<tr>
<td>TH 218</td>
<td>Acting I (3)</td>
<td></td>
</tr>
<tr>
<td>TH 251</td>
<td>Costume Construction (3)</td>
<td></td>
</tr>
<tr>
<td>TH 350</td>
<td>Stage Lighting I (3)</td>
<td></td>
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</table>

**Additional Requirements:**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
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<tbody>
<tr>
<td>UI 384</td>
<td>History of the Musical (3)</td>
<td></td>
</tr>
<tr>
<td>UI 433</td>
<td>Aesthetics of Movement (3)</td>
<td></td>
</tr>
</tbody>
</table>

**THEATRE**

83-84 Hour Major – No Minor Required

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

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
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</thead>
<tbody>
<tr>
<td>TH 105</td>
<td>Rehearsal &amp; Production I (2)</td>
<td></td>
</tr>
<tr>
<td>TH 107</td>
<td>Theory Skills/Analysis for Mus Theatre (3)*</td>
<td></td>
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</table>

**OR**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>TH 231</td>
<td>Stagecraft I (3)</td>
<td></td>
</tr>
<tr>
<td>TH 155</td>
<td>Makeup (3)</td>
<td></td>
</tr>
<tr>
<td>TH 218</td>
<td>Acting I (3)* **</td>
<td></td>
</tr>
</tbody>
</table>

**Threats**

- 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**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
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</thead>
<tbody>
<tr>
<td>TH 375</td>
<td>Performing Arts Mgmt (3)</td>
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<tr>
<td>TH 381</td>
<td>Script Analysis (3)</td>
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<tr>
<td>TH 385</td>
<td>Directing I (3)</td>
<td></td>
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<tr>
<td>TH 488</td>
<td>Senior Portfolio (3)</td>
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<tr>
<td>TH 490</td>
<td>Theatre History I (3)</td>
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<tr>
<td>TH 495</td>
<td>Theatre History II (3)</td>
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<tr>
<td>TH 498</td>
<td>BFA Project (2)</td>
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<tr>
<td>TH 499</td>
<td>Internship (4)</td>
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</table>

*Required for Musical Theatre Option
**Required for Acting Option
***Required for Design/Technology Option

**Choose One Option:**

**ACTING (40 Hours)**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
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<tbody>
<tr>
<td>TH 218</td>
<td>Acting I (3)</td>
<td></td>
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<tr>
<td>TH 219</td>
<td>Auditioning (1)</td>
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<tr>
<td>TH 316</td>
<td>Acting II (6)</td>
<td></td>
</tr>
<tr>
<td>TH 317</td>
<td>Voice for the Actor I(3)</td>
<td></td>
</tr>
<tr>
<td>TH 319</td>
<td>Acting for Film &amp; Television (3)</td>
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</tr>
<tr>
<td>TH 321</td>
<td>Stage Combat I (3)</td>
<td></td>
</tr>
<tr>
<td>TH 416</td>
<td>Acting Styles (6)</td>
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</tr>
<tr>
<td>TH 431</td>
<td>Stage Combat II (3)</td>
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</table>

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

<table>
<thead>
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<th>Course Title</th>
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<tbody>
<tr>
<td>TH 265</td>
<td>Drawing for the Theatre I (3)</td>
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</tr>
<tr>
<td>TH 266</td>
<td>Drawing for the Theatre II (3)</td>
<td></td>
</tr>
<tr>
<td>TH 331</td>
<td>Stagecraft II (3)</td>
<td></td>
</tr>
<tr>
<td>TH 350</td>
<td>Stage Lighting I (3)</td>
<td></td>
</tr>
<tr>
<td>TH 351</td>
<td>Costume Design I (3)</td>
<td></td>
</tr>
<tr>
<td>TH 361</td>
<td>Scene Painting (3)</td>
<td></td>
</tr>
<tr>
<td>TH 371</td>
<td>Scenic Design I (3)</td>
<td></td>
</tr>
</tbody>
</table>
TH 386  Sound Design (3)
TH 395  Period & Style (3)
TH 450  Stage Lighting II (3)
TH 451  Costume Design II (3)
TH 471  Scenic Design II (3)

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

MUSICAL THEATRE OPTION (40 Hours)
DA 211  Ballet I (2)
MM 105  Aural Skills I (1)
MU 151  Functional Piano I (1)
TH 122  Class Voice for Musical Theatre (3)
TH 218  Acting I (3)
TH 219  Auditioning (1)
TH 222  Class Voice for Musical Theatre II (3)
TH 316  Acting II (6)
TH 318  Musical Theatre Performance I (3)
TH 322  Class Voice for Musical Theatre III (6)
TH 418  Musical Theatre Performance II (3)

Choose 8 Hours from (4 hours must be 300-400 level):
DA 211  Ballet I (2) (required)
DA 221  Modern Dance (2)
DA 226  Jazz Dance I (2)
DA 236  Tap Dance I (2)
DA 282  Movement Improv (3)
DA 311  Ballet II (2)
DA 321  Modern Dance II (2)
DA 326  Jazz Dance II (2)
DA 336  Tap Dance II (2)
DA 411  Ballet III (2)
DA 421  Modern Dance III (2)
DA 426  Jazz Dance III (2)
DA 436  Tap Dance III (2)

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

OR

UI 433  Aesthetics of Movement (3)

BACHELOR OF GENERAL STUDIES DEGREE

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

Minimum Degree Requirements  120 Hours
University Studies Requirements  51 Hours
300-500 Level Courses Required  39 Hours
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
Organisinal, 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 Management
Options: Exercise Science
Health Promotion

Historic Preservation

Hospitality Management

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

Interdisciplinary Studies

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

Mathematics
Options: Actuarial Science
Applied Mathematics & Statistics
Pure Mathematics

Medical Technology

Physics

Political Science

Psychology

Recreation

Social Work

Sport Management

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

AGRICULTURE

Medical Science

Physics

Political Science

Psychology

Recreation

Sport Management

Technology Management

Bachelor of Science Majors

Southeast Missouri State University 2014-15

90

AGRICULTURE

67-70 Hour Major - No Minor Required

Required Courses:

AC 221 Principles of Accounting I (3)
AD 101 Intro to Microcomp Appl (3)
AG 245 Agricultural Economics (3)
AG 250 Agribusiness Management (3)
AG 334 Agribusiness Finance (3)
AG 355 Agriculture Seminar (1)
AG 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 Immn & Diseases (3)

Choose 21 hours from:

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

HORTICULTURE

AO 215 Soils (3)
AO 323 Plant Pathology (3)
HO 215 Practical Hort Experiences (2)
HO 225 Ident/Use of Deciduous 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 431 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 327 Sustainable Agriculture (3)
AO 401 Ag & Natural Resource Mgmt (3)
AO 420 Crop Physiology (3)
AO 427 Soil Fertility & Plant Nutrtn (3)
AO 444 Prin of Plant Breeding (3)
OR
AO 321 Cotton & Rice (3)
AO 480 Crop Production (3)
AY 105 Animal Science Experience (2)

BIOLOGY
49 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 551-555 Biology Field Studies (2)
OR
BI 589-591 Biological Research (2)
BI 489 Analysis of Biological Issues (2)
CH 185/085/005 General Chemistry (5)
MA 134 College Algebra (3)
MA xxx Additional Math (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 5-6 hours of electives:
BI/BO/BT/ZOxxx 300 level or above
BI 540/541 Marine Microbiology (5)
BI 573-578 Special Topics (1-6)
BI 593-598 Special Problems (1-6)
BO 500/505 Marine Phycology (4)
BO 561/562 Salt Marsh Plant Ecology (4)
BO 563/564 Coastal Vegetation (3)
ZO 510/511 Comp Histology/Marine Org (6)
ZO 540/541 Parasites/Marine Mammals (6)
ZO 552/553 Marine Fisheries Mgmt (4)
ZO 554/555 Marine Aquaculture (6)
ZO 559/560 Marine Mammals (5)
ZO 563/566 Fauna/Faunistic Ecol/Tidal Marshes (5)
ZO 564/574 Marine Ichthyology (6)
ZO 565/567 Early Life History of Marine Fishes (4)

Non-Biology Requirements:
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.
<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
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<tbody>
<tr>
<td>BI 200</td>
<td>General Microbiology (3)</td>
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<tr>
<td>BI 245</td>
<td>Lab Methods in Biotechnology (3)</td>
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<tr>
<td>BI 381</td>
<td>Molecular Genetics (3)</td>
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**Choose 6 hours from this list:**

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<tr>
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<tr>
<td>BI 414</td>
<td>Prob in Cell &amp; Molecular Biology (3)</td>
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<tr>
<td>BI 441</td>
<td>Virology (3)</td>
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<td>BI 442</td>
<td>Immunology (3)</td>
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<tr>
<td>BI 443</td>
<td>Epidemiology (3)</td>
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<tr>
<td>BI 445</td>
<td>Microbial Physiology (3)</td>
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<tr>
<td>BI/BT 450</td>
<td>Intro to Molecular Biology &amp; Biotechnology (3)</td>
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<td>BI 460</td>
<td>Pathogenic Microbiology (2)</td>
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<td>BI 544</td>
<td>Pathogenic Microbiology Lab (1)</td>
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<tr>
<td>BO 445</td>
<td>Plant Physiology (3)</td>
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<tr>
<td>ZO 331</td>
<td>Animal Physiology (3)</td>
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<tr>
<td>ZO 414</td>
<td>Developmental Biology (3)</td>
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<td>ZO 441</td>
<td>Parasitology (3)</td>
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**Any BI, BO, ZO, BT courses, 300 level and above (8)**

**Non-Biology Requirements:**

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<th>Course Title</th>
<th>Credits</th>
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<tbody>
<tr>
<td>CH 186</td>
<td>Found of Inorganic Chem (3)</td>
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</tr>
<tr>
<td>CH 187</td>
<td>Inorganic Chem &amp; Qual Analysis Lab (2)</td>
<td></td>
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<tr>
<td>CH 341</td>
<td>Found of Organic Chem (4)</td>
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<tr>
<td>CH 342</td>
<td>Organic Chem Lab I (1)</td>
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<tr>
<td>UI 331</td>
<td>Found of Biochemistry (3)</td>
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**ORGANISMAL, ECOLOGICAL, AND EVOLUTIONARY BIOLOGY**

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<th>Credits</th>
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<tr>
<td>BI 300</td>
<td>Intro to Evolutionary Biology (3)</td>
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<tr>
<td>BI 332</td>
<td>General Ecology (3)</td>
<td></td>
</tr>
<tr>
<td>BO 200</td>
<td>Plant Biology (4)</td>
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<tr>
<td>ZO 200</td>
<td>Animal Biology (3)</td>
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**Any BI, BO, ZO, BT courses, 300 level and above (10)**

**Non-Biology Requirements:**

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<th>Course Title</th>
<th>Credits</th>
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</thead>
<tbody>
<tr>
<td>UI 373</td>
<td>Earth/Life Through Time (3)</td>
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**PRE-PHYSICIAN ASSISTANT**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
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<tbody>
<tr>
<td>BI 381</td>
<td>Molecular Genetics (3)</td>
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</tr>
<tr>
<td>BS 113/013</td>
<td>Anat &amp; Phys I (4)</td>
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</tr>
<tr>
<td>BS 114/014</td>
<td>Anat &amp; Phys II (4)</td>
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**BI/BO/BT/ZO prefix or BS 240 with at least 8 hours at the 300 level (12)**

**Non-Biology Requirements:**

<table>
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<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
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</thead>
<tbody>
<tr>
<td>CH 186</td>
<td>Found of Inorganic Chem (3)</td>
<td></td>
</tr>
<tr>
<td>CH 187</td>
<td>Inorg &amp; Qual Analys Lab (2)</td>
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<tr>
<td>CH 341</td>
<td>Found of Org Chem (4)</td>
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<tr>
<td>HL 113</td>
<td>Medical Terminology (3)</td>
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<tr>
<td>PH 120/02</td>
<td>Intro Physics I (5)</td>
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<td>PH 121/021</td>
<td>Intro Phys II (5)</td>
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<tr>
<td>PY 220</td>
<td>Psych Dev Across/Lifespan (3)</td>
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**WILDLIFE AND CONSERVATION**

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<th>Course Code</th>
<th>Course Title</th>
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<tbody>
<tr>
<td>BI 332</td>
<td>General Ecology (3)</td>
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<tr>
<td>BO 200</td>
<td>Plant Biology (4)</td>
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<tr>
<td>ZO 200</td>
<td>Animal Biology (3)</td>
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**Choose two of the following:**

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<th>Course Title</th>
<th>Credits</th>
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<tr>
<td>BI 420</td>
<td>Management of Wildlife Populations (3)</td>
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<tr>
<td>BI 430</td>
<td>Management of Wildlife Habitat (3)</td>
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<tr>
<td>BI 435</td>
<td>Conservation Biology (3)</td>
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<tr>
<td>BI 440</td>
<td>Wetland Ecology and Management (3)</td>
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**Biology Electives – choose 7 hours:**

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<th>Course Title</th>
<th>Credits</th>
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<tbody>
<tr>
<td>BI 420</td>
<td>Management of Wildlife Populations (3)</td>
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<tr>
<td>BI 430</td>
<td>Management of Wildlife Habitat (3)</td>
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<tr>
<td>BI 432</td>
<td>Advanced Ecology (3)</td>
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<tr>
<td>BI 434</td>
<td>Marine Evol Ecology (3)</td>
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<tr>
<td>BI 435</td>
<td>Conservation Biology (3)</td>
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<tr>
<td>BI 438</td>
<td>Biogeography (3)</td>
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<tr>
<td>BI 440</td>
<td>Ecology and Management of Wetlands (3)</td>
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<td>BI 452</td>
<td>Freshwater Ecology (3)</td>
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<td>BI 469</td>
<td>Wildlife Toxicology (3)</td>
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<td>BI 471-473</td>
<td>Internship (1-3)</td>
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<td>BI 493</td>
<td>Readings in Biology (2)</td>
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<td>BI 551-553</td>
<td>Biology Field Studies (1-3)</td>
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<td>BI 589-591</td>
<td>Biological Research (1-3)</td>
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<tr>
<td>BO 361</td>
<td>Systematic Botany (3)</td>
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<td>BO 420</td>
<td>Ethnobotany (3)</td>
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<tr>
<td>BO 445</td>
<td>Plant Physiology (3)</td>
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<tr>
<td>BO 461</td>
<td>Native Aquatic Plants (3)</td>
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<td>BO 469</td>
<td>Field Botany (3)</td>
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<td>ZO 420</td>
<td>Animal Behavior (3)</td>
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<td>ZO 441</td>
<td>Parasitology (3)</td>
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<tr>
<td>ZO 445</td>
<td>Aquatic Entomology (3)</td>
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<td>ZO 459</td>
<td>Mammalogy (3)</td>
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<td>ZO 460</td>
<td>Herpetology (3)</td>
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<tr>
<td>ZO 465</td>
<td>Entomology (3)</td>
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<tr>
<td>ZO 466</td>
<td>Ornithology (3)</td>
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<td>ZO 469</td>
<td>Vertebrate Adaptations (3)</td>
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<td>ZO 478</td>
<td>Ichthyology (3)</td>
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**Non-Biology Requirements:**

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<tr>
<th>Course Code</th>
<th>Course Title</th>
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<tbody>
<tr>
<td>GO 110</td>
<td>Physical Geology (3)</td>
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</table>

**CHEMISTRY**

**49-62 Hour Major - No Minor Required**

**Required Core Courses**

<table>
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<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
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<tr>
<td>CH 185</td>
<td>General Chemistry (5)</td>
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<td>CH 186</td>
<td>Found of Inorganic Chem (3)</td>
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<td>CH 187</td>
<td>Inorg &amp; Qual Analysis Lab (2)</td>
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<tr>
<td>CH 271</td>
<td>Found of Analy Chem (5)</td>
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<tr>
<td>CH 311</td>
<td>Found of Physical Chem (4)</td>
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<tr>
<td>CH 341</td>
<td>Found of Organic Chem (4)</td>
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<tr>
<td>CH 342</td>
<td>Organic Chemistry Lab I (1)</td>
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</table>
### Bachelor of Science Majors

**Southeast Missouri State University 2014-15**

<table>
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<th>Course Code</th>
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<th>Credits</th>
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<tr>
<td>CH 498</td>
<td>Professional Presentation in Chemistry</td>
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<tr>
<td>CH 531/UI 331</td>
<td>Found of Biochemistry (Found of Biochemistry)</td>
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<tr>
<td>UI 443</td>
<td>Professional Experience in Chemistry</td>
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**Additional Requirements:** 19 hours

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<tbody>
<tr>
<td>MA 140</td>
<td>Analytical Geometry and Calculus I</td>
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<tr>
<td>MA 145</td>
<td>Analytical Geometry and Calculus II</td>
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<tr>
<td>PH 120</td>
<td>Introductory Physics I</td>
<td>(5)</td>
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**AND**

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<th>Course Title</th>
<th>Credits</th>
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<tbody>
<tr>
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<td>Introductory Physics II</td>
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**OR**

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**AND**

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<th>Credits</th>
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<tr>
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<td>General Physics II</td>
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**Choose One Of The Following Options:**

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

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<th>Credits</th>
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<td>CH 312</td>
<td>Adv Physical Chem</td>
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<tr>
<td>CH 343</td>
<td>Adv Organic Chem</td>
<td>(3)</td>
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<tr>
<td>CH 344</td>
<td>Organic Chem Lab II</td>
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**Additional Requirements:**

Choose one seven to eight hour track:

**Track A:**

**Required Course:**

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<th>Credits</th>
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<tr>
<td>CH 39x</td>
<td>Undergrad Research</td>
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**Choose Four Hours From:**

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<tr>
<td>CH 532/533</td>
<td>Adv Biochemistry/Biochem Lab</td>
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<td>CH 563</td>
<td>Adv Inorganic Chem</td>
<td>(4)</td>
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<tr>
<td>CH 575</td>
<td>Chem Instrumentation</td>
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**Track B:**

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

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<td>Forensic Chem</td>
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<td>CH 447</td>
<td>Adv 1&amp;2 Dim NMR Tech</td>
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<td>CH 450</td>
<td>Environ Chemistry</td>
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<td>CH 532/533</td>
<td>Adv Biochemistry/Biochem Lab</td>
<td>(4)</td>
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<td>CH 545</td>
<td>Organic Preps &amp; Characterization</td>
<td>(3)</td>
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<tr>
<td>CH 563</td>
<td>Adv Inorganic Chemistry</td>
<td>(4)</td>
</tr>
<tr>
<td>CH 575</td>
<td>Chem Instrumentation</td>
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**BIOCHEMISTRY OPTION – 25 hours**

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<tr>
<td>CH 343</td>
<td>Adv Organic Chem</td>
<td>(3)</td>
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<tr>
<td>CH 344</td>
<td>Organic Chem Lab II</td>
<td>(2)</td>
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<tr>
<td>CH 532</td>
<td>Advanced Biochemistry</td>
<td>(2)</td>
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<td>CH 533</td>
<td>Biochemistry Laboratory</td>
<td>(2)</td>
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<td>BI 154</td>
<td>Genetics &amp; Cellular Biology</td>
<td>(4)</td>
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<td>BI 200</td>
<td>General Microbiology</td>
<td>(3)</td>
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<td>BI 381</td>
<td>Genetics</td>
<td>(3)</td>
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<td>BI 404</td>
<td>Cell Biology</td>
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**DNA ANALYSIS OPTION – 28 hours**

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<td>Genetics &amp; Cellular Biology</td>
<td>(4)</td>
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<td>BI 200</td>
<td>General Microbiology</td>
<td>(3)</td>
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<tr>
<td>BI 245</td>
<td>Lab Methods in Biotechnology</td>
<td>(3)</td>
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<tr>
<td>BI 381</td>
<td>Genetics</td>
<td>(3)</td>
</tr>
<tr>
<td>BI 450</td>
<td>Molecular Biology</td>
<td>(3)</td>
</tr>
<tr>
<td>CH 312</td>
<td>Adv Physical Chem</td>
<td>(3)</td>
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<tr>
<td>CH 420</td>
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<tr>
<td>CH 533</td>
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<td>MA 423</td>
<td>Stat Analysis for Forensic Sci</td>
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**FORENSIC CHEMISTRY OPTION – 26 hours**

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<tr>
<td>CH 420</td>
<td>Forensic Chemistry</td>
<td>(4)</td>
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<tr>
<td>CH 533</td>
<td>Biochemistry Lab</td>
<td>(2)</td>
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<tr>
<td>CH 575</td>
<td>Chemical Instrumentation</td>
<td>(4)</td>
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<td>CJ 350</td>
<td>Criminalistics</td>
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<td>EV 460</td>
<td>Introduction to Toxicology</td>
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<tr>
<td>FS 550</td>
<td>Crime Lab I: Microscopy</td>
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<td>FS 552</td>
<td>Crime Lab II: Blood &amp; Fluids</td>
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<tr>
<td>MA 423</td>
<td>Statistical Analysis for Forensic Science</td>
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**COMMERCIAL PHOTOGRAPHY**

**75 Hour Major – No Minor Required**

**Required Courses:**

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<tr>
<td>AR 104</td>
<td>Design Foundations</td>
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<tr>
<td>AR 201</td>
<td>Color Composition</td>
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<tr>
<td>AR 324</td>
<td>Digital Art Photo</td>
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<tr>
<td>BA 361</td>
<td>Prin of Entrepreneurship</td>
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<tr>
<td>BA 561</td>
<td>Entrepreneurship Plan &amp; Strat</td>
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<tr>
<td>MK 343</td>
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<td>MK 555</td>
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<td>CH 180</td>
<td>Chemistry in Our World</td>
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<tr>
<td>GM 180</td>
<td>Intro to Technical Graphics</td>
<td>(3)</td>
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<tr>
<td>GM 200</td>
<td>Vector/Bitmap Graph for Indus</td>
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<tr>
<td>GM 282</td>
<td>Vector Graphics</td>
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<td>GM 320</td>
<td>Graphic User Interface Design</td>
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<td>GM 490</td>
<td>Adv Graphics Projects</td>
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<td>MA 135</td>
<td>Plane Trigonometry</td>
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<td>Mass Comm &amp; Society</td>
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<td>Photo Fundamentals</td>
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<td>Comm Studio Photo</td>
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COMMUNICATION DISORDERS

35 Hour Major - Minor Required
(See Admission to Communication Disorders Program criteria under Admissions, page 17)

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

Choose one of the following:
- CD 510 Multicultural Issues in Comm Disorders (3)
- CD 525 Aural Rehabilitation (3)
- CD 541 Fluency Disorders (3)

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

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

OR
- US 107 American History II (3)

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

58-61 Hour Major - Minor Required for Certain Tracks

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

Choose One Track:

Track 1 – Choose Business Administration minor
- AC 330 Accounting Info Systems (3)
- IS 360 Mobile Application Devlpmnt (3)
- IS 440 Web Design for Elec Commerce (3)
- IS 465 Mgmt Support Systems (3)
- MK 555 Internet Marketing (3)

Track 2 – Choose Graphics Communication Technology minor
- AR 104 Design Foundations (3)
- AR 323 Art & New Technology (3)
- IS 360 Mobile Application Devlpmnt (3)
- IS 440 Web Design for Elec Commerce (3)
- IS 465 Mgmt Support Systems (3)

Track 3 – Choose Computer Networking minor
- CS 155 Computer Science I (4)
- CS 265 Computer Science II (4)
- CS 300 Computer Science III (4)
- CS 315 C & the Unix Environment (3)
- CS 480 Data Communications (3)

Track 4 – No Minor Required
- CS 155 Computer Science I (4)
- CS 265 Computer Science II (4)


**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)
- **SC 155** Fund of Interpersonal Comm (3)
- **SC 330** Corporate & Professional Comm (3)
- **SC 335** Interviewing (3)
- **SC 483** Internship in Speech Comm (3)

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

**Choose 9 hours from:**
- **SC 215** Intercultural Communication (3)
- **SC 310** Speech Writing (3)
- **SC 314** Argumentation & Problem Solving (3)
- **SC 320** Group Comm & Decision-Making (3)
- **SC 355** Relational Comm Strategies (3)
- **SC 406** Negotiation & Conflict Mgmt (3)
- **SC 463** Independent Study (3)
- **SC 510** Leadership and Team Building (3)
- **UI 345** Nonverbal Communication (3)
- **UI 425** Persuasion (3)

**Choose 6 hours from the following:**
- **MK 342** Professional Selling (3)
- **MK 343** Advertising & Promotion (3)
- **MK 344** Consumer Behavior (3)
- **MK 345** Intro to Business Research (3)
- **MK 349** Retail Management (3)
- **MK 447** Sales Management (3)
- **MK 560** International Marketing (3)

**Choose 6 hours from the following:**
- **MG 362** Management Skills (3)
- **MG 470** Leadership in Management (3)
- **MG 550** Improving Team Performance (3)
- **MG 560** International Management (3)

**CRIMINAL JUSTICE**

*45-54 Hour Major – 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)
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  Network Fundamentals (3)
TN 375  Network Routing Protocol & Concepts (3)
TN 395  Server Maintenance and Troubleshooting (3)
TN 425  Wireless Comm & Mobile Data Networks (3)
TN 435  Network Security (3)
UI 410  Manf Research in a Global Society (3)

ECONOMICS

28 Hour Major - Minor Required

Required Courses:

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

Any 3 hour college-level statistics course
Choose 12 Hours From:

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

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

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 446  Fund Risk Comm in Emerg Mgmt (3)
EV 454  Risk Assessment Applications (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)
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 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: 31 Hours
- CH 185/085/005 General Chemistry (5)
- CS 177 Introduc Prog for Scientists & Engr (3)
- MA 140 Analytic Geometry & Calculus I (5)
- MA 145 Analytic Geometry & Calculus II (4)
- MA 240 Analytic Geometry & Calculus III (3)
- MA 245 Vector Calculus (2)
- MA 345 Linear Algebra (3)
- MA 350 Differential Equations (3)
- MN 120 Fund of Engr Design Processes (3)

Choose One Option:

COMPUTER APPLICATIONS (20 HOURS)
- CS 155 Computer Science I (4)
- CS 265 Computer Science II (4)
- CS 315 C & the Unix Environment (3)
- EP 305 Digital & Analog System Design (3)
- EP 310 Microcomputer Interfacing (3)
- EP 461 Computer Applications (3)

ELECTRICAL APPLICATIONS (18 HOURS)
- EP 305 Digital & Analog System Design (3)
- EP 310 Microcomputer Interfacing (3)
- EP 361 Thermal Analysis (3)
- EP 374 Control Systems (3)
- EP 462 Material Science (3)
- PH 341 Optics (3)

MECHANICAL APPLICATIONS (19 HOURS)
- EP 361 Thermal Analysis (3)
- EP 363 Thermal Fluid Engr (3)
- EP 374 Control Systems (3)
- EP 462 Material Science (3)
- MN 350 Machine Design (3)

ENGINEERING TECHNOLOGY

101 Hour Major - No Minor Required

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

Choose One 33 Hour Option:

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

OR
- TN 255 Microcomputer Maint (3)

MECHANICAL & MANUFACTURING SYSTEMS:
- ET 160 Basic Electricity & Electronics (3)
- MN 120 Fund of Engr Design Processes (3)
- MN 170 Industrial Materials & Testing (3)
- MN 203 Industrial Materials & Processes I (3)
- MN 219 Statics & Strength of Materials (3)
**Bachelor of Science Majors**

Southeast Missouri State University 2014-15

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<td>MN 221</td>
<td>Solid Modeling &amp; Rapid Prototyping (3)</td>
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<td>Industrial Materials &amp; Processes II (3)</td>
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<td>MN 354</td>
<td>Computer Aided Manufacturing (CAM) (3)</td>
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<td>MN 402</td>
<td>Plastics &amp; Processes (3)</td>
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<td><strong>ENIRONMENTAL SCIENCE</strong></td>
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<td>Earth/Life Through Time (3)</td>
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<td>UI 387</td>
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<td><strong>Choose 2 Courses From:</strong></td>
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<tr>
<td>BI 200</td>
<td>Microbiology (3)</td>
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<tr>
<td>BO 200</td>
<td>Plant Biology (4)</td>
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<tr>
<td>ZO 200</td>
<td>Animal Biology (3)</td>
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<tr>
<td><strong>Additional Required Courses:</strong></td>
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<tr>
<td>CH 187</td>
<td>Inorg Chem &amp; Qual Analysis Lab (2)</td>
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<tr>
<td>CH 341</td>
<td>Found of Organic Chem (4)</td>
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<tr>
<td>CH 342</td>
<td>Organic Chemistry Lab I (1)</td>
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<td>CH 450</td>
<td>Environmental Chemistry (3)</td>
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<td><strong>Choose 9 Hours From:</strong></td>
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<tr>
<td>BI 381</td>
<td>Molecular Genetics (3)</td>
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<td>BI 420</td>
<td>Principles of Wildlife Management (3)</td>
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<td>BI 430</td>
<td>Management of Wildlife Habitat (3)</td>
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<td>BI 432</td>
<td>Advanced Ecology (3)</td>
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<td>BI 435</td>
<td>Conservation Biology (3)</td>
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<td>BI 440</td>
<td>Ecology &amp; Management of Wetlands (3)</td>
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<td>BI 441</td>
<td>Virology (3)</td>
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<td>BI 442</td>
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<td>Epidemiology (3)</td>
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<td>BI 445</td>
<td>Microbial Physiology (3)</td>
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<td>BI 452</td>
<td>Limnology (3)</td>
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<td>BI 453</td>
<td>Occupational Health (3)</td>
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<td>BI 455</td>
<td>Industrial Hygiene (3)</td>
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<td>Introduction to Toxicology (3)</td>
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<td>Wildlife Toxicology (3)</td>
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<td>Biological Research (1-3)</td>
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<td>Systematic Botany (3)</td>
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<td>Native Aquatic Plants (3)</td>
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<td>Field Botany (3)</td>
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<td>ZO 459</td>
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<td>ZO 466</td>
<td>Ornithology (3)</td>
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<td>ZO 469</td>
<td>Vertebrate Adaptations (3)</td>
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<td>ZO 478</td>
<td>Ichthyology (3)</td>
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<td><strong>BUSINESS (21 Hours)</strong></td>
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<td>EC 225</td>
<td>Principles of Macroeconomics (3)</td>
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<td>FL 361</td>
<td>Financial Management (3)</td>
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<td>MG 301</td>
<td>Principles of Management (3)</td>
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<td>MI 375</td>
<td>Management Information Systems (3)</td>
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<td>MK 301</td>
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<td><strong>CHEMISTRY (28 Hours)</strong></td>
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<td>CH 311</td>
<td>Found of Phys Chem (4)</td>
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<td>CH 341</td>
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<td>CH 342</td>
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<tr>
<td>PH 121</td>
<td>Introductory Physics II (5)</td>
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<tr>
<td>UI 443</td>
<td>Prof Experience in Chem (3)</td>
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</table>
Choosing 1 Course From:
- CH 313 Phys Chem Lab (3)
- CH 343 Advanced Organic Chemistry (3)
- CH 344 Organic Chemistry Lab II (2)
- CH 391 Undergraduate Research (1-3)
- CH 447 Adv NMR Techniques (3)
- CH 545 Organic Preparations & Characterizations (3)
- CH 575 Chemical Instrumentation (4)
- CH 531/UI 331 Found of Biochemistry (3)

**Environmental Health (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.

Choosing 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)

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

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

**Policy and Communication (18 Hours)**

- MC 201 Writing for Mass Media (3)
- PS 230 American Public Policy (3)
- OR
- PS 280 Intro to Global Issues (3)
- PS 491 Topics in Political Science (3)
- SC 200 Advanced Public Speaking (3)

**Health Management**

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)

Choosing One Option:

**Exercise Science (24 Hours)**

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

**Electives - 6 Hours:**

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

**Health Promotion (27 Hours)**

- FN 255 Nutrition I (3)
- OR
- FN 355 Lifespan Nutrition (3)
- HL 260 Health Promotion Practicum (3)
- HL 303 Research Methods (3)
- HL 332 Lifestyle Disease Risk Reduction (3)
- HL 432 Health Promotion Programs (3)
- HL 490 Program Planning & Evaluating (3)
- MG 301 Principles of Management (3)
- OR
- MK 301 Principles of Marketing (3)
- MG 3xxx Upper division MG elective (3)
- OR
- MK 343 Advertising & Promotion (3)
- UI 354 Lifestyle Enhancement (3)

**Additional Requirements: 14-20 Hours**

- BS 113/013 Anatomy & Physiology I (4)
- BS 114/014 Anatomy & Physiology II (4)
- CH 180 Chemistry in Our World (3)
- OR
- CH 181 Basic Principles of Chemistry (5)
- MA 134 College Algebra (3)

**Historic Preservation**

66 Hour Major – No Minor Required

**Historic Preservation Requirements**

Choosing 1 Course From:
- 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)
Bachelor of Science Majors

Southeast Missouri State University 2014-15

Bachelor of Science Majors

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

Required History Core:
GH 315 Historiography (3)
US 105 American History I (3)
US 107 American History II (3)

Public History Breadth Requirements - choose 6 hours:
HP 405 Archives & Spec Collections Management (3)
HP 410 Museum Studies (3)
HP 420 Historic Site Administration (3)

History Breadth Electives - choose 6 hours:
Any EH, GH, US, or WH 200-500 level or approved departmental UI course

History Breadth Senior Division Electives - choose 3 hours:
Any EH, GH, US, or WH 400-500 level or approved departmental UI course

Historic Preservation Elective – choose 6 hours:
AN 382 Archaeology: Method & Theory (3)
HP 552 Historic Preservation Field School (3)
HP 580 Hist of Am Bldg Mats and Tech (3)
HP 589 Hist Pres-Based Econ Revital (3)
Any HP topics course or an additional HP Breadth Requirement.

INTERNSHIP REQUIREMENT (Choose 9 Hours):
HP 500 Historic Preservation Internship I (3)
HP 501 Historic Preservation Internship II (6)
HP 502 Historic Preservation Internship III (9)

ADDITIONAL INTERDISCIPLINARY REQUIREMENTS
Choose 6 Hours:
AG 440 Precision Agriculture (3)
CM 100 Introduction to Drafting (3)
CM 126 Computer Assisted Drafting (3)
DS 104 Exploring Interior Design (3)
MG 301 Principles of Management (3)
MK 301 Principles of Marketing (3)
PG 284 Photography Fundamentals (3)
TH 101 Acting for Non-Majors (3)
UI 351 Public Opinion (3)
UI 400 Business & Ethics (3)
UI 425 Persuasion (3)

Choose 6 Hours From:
AH 511 American Art (3)
DS 206 History of Interiors II (3)
FA 517 History of Costume (3)
IU 306 Perspectives of Urban Design (3)
TH 395 Period & Style (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:

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 Obser: Perception & Process (3)
CF 233 Creative Thought & Express in Children (3)
CF 250 Family Child Care: Feasibility & Mgmt (3)
CF 280 Learning Theory & Appl: Preschool (3)
CF 285 Learn Theory/Appl: Infants & Toddlers (3)
CF 300 Parent Education (3)
CF 306  History/Theory of Child Devlpmt (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 Child Intractns: Systems Appr (3)  
CF 475  Action Research for the Practitioner (3)  
CF 480  Child Development Career Internship (6)  
EX 390  Psych & Educ of the Exceptional Child (3)  

Choose One Track:  

Administrative Track (12)  
CF 315  Admin of Progr for Children & Youth (3)  
CF 350  Assessing/Teaching Young Children (3)  
CF 415  Legal Risks/Admin:Dec-Making in Prog (3)  
CF 420  Leadership/Advocacy for the Admin (3)  

Child & Youth Services Track (12)  
CF 495  Interagency Collaboration (3)  
CF 520  Family Assessment (3)  
HS 551  Case Management (3)  
SW 354  Crisis Intervention (3)  

Additional requirements:  
(Some courses may fulfill University Studies requirements)  
BS 103  Human Biology (3)  
FE 200  Family Financial Management (3)  
LI 243  Children's Literature (3)  
MA 118  Mathematics I (3)  
PH 218  Physical Science: A Process Approach (3)  
PS 103  U.S. Political Systems (3)  
SW 121  Helping Skills for Human Services (3)  
US 105  American History I (3)  
US 107  American History II (3)  

HUMAN ENVIRONMENTAL STUDIES:  
FAMILY STUDIES OPTION  
48 Hour Major - Minor Required  
Required Courses:  
CF 102  Relationships in the 21st Century (3)  
CF 120  The Child: Devel/Conception to Adolsc (3)  
CF 206  Intro to Gerontology (3)  
CF 207  Gerontology Practicum I (3)  
CF 209  Intro to Family Systems (3)  
CF 220  Young & Middle Adulthood (3)  
CF 300  Parent Education (3)  
CF 320  Life Skills Education (3)  
CF 340  Family Policy Law & Advocacy (3)  
CF 402  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  
38 Hour Major - Retail Management Minor Required  
Required Courses:  
FA 110  Intro to Fashion Merchandising (3)  
FA 114  Visual Merchandising (3)  
FA 207  Textiles (3)  
FA 230  Apparel Analysis (3)
Bachelor of Science Majors

Southeast Missouri State University 2014-15

FA 300  Professional Image & Behavior (2)
FA 350  Apparel Aesthetics (3)
FA 410  Internship (6)
FA 415  Fashion Retailing (3)
FA 420  Specialty Markets (3)
FA 450  Issues & Trends in Fash Merch (3)
FA 517  History of Costume (3)
FA 518  Soc Psych Aspects of Clothing (3)

Additional Requirements: 15 Hours
AD 101  Intro to Microcomp Appl (3)
AR 104  Design Foundations (3)
EC 101  Economic Problems & Policies (3)
MG 301  Principles of Management (3)
MG 356  Found of Human Resources Management (3)

HUMAN ENVIRONMENTAL STUDIES: INTERIOR DESIGN OPTION

61 Hour Major - No Minor Required

Required Courses:
DS 001  Portfolio Review (0)
DS 104  Exploring Interior Design (3)
DS 111  Design Process (3)
DS 205  History of Interiors I (3)
DS 206  History of Interiors II (3)
DS 207  Interior Systems I (3)
DS 208  Interior Systems II (3)
DS 211  Basic Kitchen/Bath Design (3)
DS 220  Design Communications (3)
DS 313  Sustainable Design (3)
DS 314  Multicultural Design (3)
DS 320  Adv Design Communications (3)
DS 330  Lighting/Electrical Systems (3)
DS 332  Materials/Cost Estimating (3)
DS 410  Hospitality Design (3)
DS 411  Adv Kitchen/Bath Design (3)
DS 412  Contract Design (3)
DS 440  Internship in Interior Design (4)
DS 450  Prof Prac/Interior Design I (3)
DS 451  Prof Prac/Interior Design II (3)
FA 207  Textiles I (3)

Choose Three Hours from the Following Courses:
CM 310  Constr Codes & Compliance (3)
FM 544  Sustain Constr Mats & Tech (3)
MG 301  Principles of Management (3)

Additional Requirements: 24 Hours
AR 112  Perspectives in Art (3)*
CM 126  Computer Aided Arch Drafting (3)
CM 226  Residential Arch Drftg & Design (3)
CM 322  Comm Arch Drftg & Design (3)
MA 154  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/usac.

Required courses:
University Studies requirements 51 hours
Two, three or four areas of emphasis 69 hours*

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

MASS COMMUNICATION

36 Hour Major – Minor Required

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

Required Courses:
MC 001  Exit Interview (0)
MC 101  Mass Comm & Society (3)
MC 301  Mass Comm/Theor/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 83 hours outside of the MC prefix with 68 of those hours selected from traditional Arts and Sciences courses.

**MATHEMATICS**

**43-64 Hour Major - No Minor Required**

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

**Choose One 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 546 Advanced Calculus I (3)
MA 550 Differential Equations (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 (include at least 3 MA courses):**
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 245 Vector Calculus (2)
MA 338 Discrete Math II (3)
MA 345 Linear Algebra (3)
MA 350 Differential Equations I (3)
MA 423 Statistical Analysis for Forensic Science (3)
MA 464 Mathematical Cryptography (3)
MA 486-488 Internship in Mathematics (1-3)
MA 523 Probability & Statistics I (3)
MA 524 Probability & Statistics II (3)
MA 545 Linear Algebra & Matrices (3)
MA 546 Advanced Calculus I (3)
MA 547 Advanced Calculus II (3)
MA 550 Differential Equations II (3)
MA 580 Exp Design & Analysis of Variance (3)
PH 341 Optics (3)
### Bachelor of Science Majors

**Southeast Missouri State University 2014-15**

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<td>Electromagnetics (3)</td>
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<td>PH 570</td>
<td>Mathematical Physics (3)</td>
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**Choose 3 Hours From:**

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

**PURE MATHEMATICS**

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

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

**MEDICAL TECHNOLOGY**

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

**Required Courses:**

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

**OR**

- **BS 108** Biology for Living (3)

**OR**

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

**OR**

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

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

**PHYSICS**

**56 Hour Major - No Minor Required**

**Required Courses:**

- **EP 100** Physics & Engineering Concepts (1)
- **EP 240** Circuit Analysis (4)
- **EP 340** Electronic Circuits (4)

**OR**

- **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: 28 Hours**

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

*Choose from approved list with advice of advisor

**POLITICAL SCIENCE**

**36 Hour Major - Minor Required**

**Required Courses:**

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

**OR**

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

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

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

**American Government & Politics**

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

Southeast Missouri State University 2014-15

<table>
<thead>
<tr>
<th>Comparative Government &amp; Politics</th>
<th>PS 280</th>
<th>Intro to Global Issues (3)</th>
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<tbody>
<tr>
<td>IU 310</td>
<td>PS 335</td>
<td>American Foreign Policy (3)</td>
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<tr>
<td>PS 387-389</td>
<td>PS 380</td>
<td>International Organizations (3)</td>
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<tr>
<td>Independent Study in Poli Sci (1-3)</td>
<td>PS 387-389</td>
<td>Independent Study in Poli Sci (1-3)</td>
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<td>PS 460</td>
<td>PS 580</td>
<td>International Politics (3)</td>
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<td>UI 350</td>
<td>PS 595</td>
<td>International Law (3)</td>
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<td>Middle East Politics (3)</td>
<td>UI 322</td>
<td>International Political Economy (3)</td>
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<td><strong>International Politics</strong></td>
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<tr>
<td><strong>Public Administration</strong></td>
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<td>PI 381-383 Internship in Political Science (1-3)</td>
<td>PS 230</td>
<td>American Public Policy (3)</td>
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<td>PS 384-386 Internship in Political Science (3)</td>
<td>PS 402</td>
<td>Fund of Public Administration (3)</td>
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<tr>
<td>PS 387-389 Independent Study in Poli Sci (1-3)</td>
<td>PS 403</td>
<td>Public Personnel Administration (3)</td>
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<td>PS 405</td>
<td>PS 415</td>
<td>Government Budgeting Process (3)</td>
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<td>Org Theory/Behavior (3)</td>
<td>PS 418</td>
<td>Public Policy Analysis (3)</td>
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<td>PS 425</td>
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<td>Administrative Law &amp; Procedure (3)</td>
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<tr>
<td><strong>Political Theory</strong></td>
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<tr>
<td>PS 387-389 Independent Study in Poli Sci (1-3)</td>
<td>UI 342</td>
<td>Modern Political Thought (3)</td>
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<td>UI 357</td>
<td>UI 358</td>
<td>Early American Political Thought (3)</td>
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<tr>
<td>Foundations of Political Thought (3)</td>
<td>UI 361</td>
<td>Contemporary Political Theory (3)</td>
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<td><strong>Choose 6 Additional Hours PS Electives</strong></td>
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<td><strong>Additional Requirements: 11 Hours</strong></td>
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<tr>
<td>AD 101</td>
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<td>Intro to Microcomp Appl (3)</td>
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<td><strong>Choose 3 Hours of Statistics:</strong></td>
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<tr>
<td>MA 223</td>
<td>PY 271</td>
<td>Research Design &amp; Analysis I (3)</td>
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<tr>
<td>Elem Probability &amp; Statistics (3)</td>
<td>PY 370</td>
<td>Research Design &amp; Analysis II (3)</td>
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<td>PY 571</td>
<td>PY 497</td>
<td>Historical Development of Psychology (3)</td>
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<td>Intro to Behavioral Statistics (3)</td>
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<td>QM 257</td>
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<td>Business Statistics (3)</td>
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<td>SW 242</td>
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<td>Statistics for Social Scientists (3)</td>
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<td><strong>Additional Math Requirement:</strong></td>
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<tr>
<td>MA xxx</td>
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<td>5 Hours MA 123 or above (except MA 230, 318, 418)</td>
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### PSYCHOLOGY

**36 Hour Major - Minor Required**

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

**Required Core Courses:**

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

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

**Basic Processes**

| PY 362 | Learning & Memory (3) |
| PY 366 | Intro to Sensation & Perception (3) |
| PY 466 | Intro to Physiological Psychology (3) |

**Clinical/Personality**

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

**Cognition**

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

**Developmental Psychology**

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

**Social/Applied Psychology**

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

**Choose 6 hours from:**

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

57 Hour Major - No Minor Required

**Required Courses:**
- RC 100 Leisure in a Diverse Culture (3)
- RC 140 Intro to Recreation Services (3)
- RC 220 Leadership and Group Dynamics (3)
- RC 260 Intro to Therapeutic Recreation (3)
- RC 288 Practicum in Recreation Services (3)
- RC 303 Research Methods (3)
- RC 380 Programming for Recreation Services (3)
- RC 385 Rec Facilities Planning & Mgmt (3)
- RC 405 Trends & Issues in Rec & Leisure (3)
- RC 420 Organization & Admin of Rec Svcs (3)
- RC 440 Facilitation of Group Development (3)
- RC 497 Recreation Internship (12)

**Choose 12 Hours From:**
- RC 112 Intro to Music Therapy (3)
- RC 116 Special Topics in Health & Leisure (1-3)
- RC 119 Outdoor Adventure Special Topics (1-3)
- RC 150 Outdoor Living Skills (3)
- RC 151 Outdoor Adventure Skills (3)
- RC 210 Camp Leadership (3)
- RC 230 Recreational Sports (3)
- RC 245 Mentoring Principles & Practices (3)
- RC 250 Foundations of Outdoor Recreation (3)
- RC 270 Commercial Recreation (3)
- RC 300 Leisure Education (3)
- RC 304 Therapeutic Rec & Prog Design (3)
- RC 310 Outdoor Leadership (3)
- RC 311 Parks/Outdoor Resource Mgmt (3)
- RC 316 Special Topics in Health & Leisure (1-3)
- RC 324 Independent Study/Therapeutic Rec (3)
- RC 345 Youth Development Through Leisure (3)
- RC 360 Therapeutic & Adapted Rec Svcs (3)
- RC 450 Outdoor Adventure Therapy (3)
- RC 460 Problems & Issues in Therapeutic Rec (3)
- RC 812 Outdoor Adventure (3)
- UI 354 Lifestyle Enhancement (3)*
- UI 387 Environ Law & Public Policy (3)*
- UI 427 Service & Community (3)*
- UI 429 Environmental Ethics (3)*

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

**SOCIAL WORK**

60 Hour Major - No Minor Required

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

**Required Courses:**
- SW 110 Intro to Social Work (3)
- SW 201 Social & Economic Justice (3)
- SW 207 Undrstdng Cultr & Soc Diversity (3)
- SW 221 Interviewing Skills for Generalist Pract (3)
- SW 222 Case Management (3)
- SW 242 Statistics for Social Scientists (3)
- SW 307 Human Behav/Social Environment I (3)
- SW 308 Human Behav/Social Environment II (3)
- SW 310 Social Welfare Policies & Services (3)
- SW 321 Social Work Practice I (3)
- SW 322 Social Work Practice II (3)
- SW 323 Social Work Practice III (3)
- SW 342 Meth of Soc Resrch/Generalist Practc (3)
- SW 449 Social Work Integrative Seminar (3)
- SW 450 Field Education (12)

**Choose 6 Hours From:**
- SW 351 Child Welfare Services (3)
- SW 352 Social Welfare Services to the Aged (3)
- SW 353 Child Development (3)
- SW 354 Crisis Intervention (3)
- SW 355 Special Topics in Social Work (3)
- SW 356 Social Work in Mental Health (3)
- SW 387-389 Independent Study in Social Work (1-3)
  (With approval from advisor, one other 300 or 400 level course may be substituted for a Social Work elective.)

**Additional Requirements: 3 Hours**
- PY 101 Psych Perspectives/Human Behavior (3)

**SPORT MANAGEMENT**

42 Hour Major – Business Administration Minor Required

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

**Required Support Courses:**
- MC 101 Mass Communication & Society (3)
- PL 204 Ethical Theory (3)
- SC 105 Fundamentals of Oral Communication (3)
- SC 155 Fundamentals of Interpersonal Communication (3)
TECHNOLOGY MANAGEMENT

85-86 Hour Major - No Minor Required

Required Courses:

IM 102  Technical Communication (3)
IM 301  Industrial Safety Supervision (3)
IM 311  Statistical Process Control (3)
IM 419  Industrial Supervision (3)
IM 506  Projects in IET (3)

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)
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  HDSLR 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 & Trblshtng (3)

CONSTRUCTION MANAGEMENT & DESIGN (42 Hours)

CM 126  Computer Aided Arch Drafting (3)
CM 226  Resid Arch Drafting & Design (3)
CM 143  Constr Methods & Mats I (3)
CM 243  Construction Methods & Mats II (3)
CM 310  Construction Codes & Compliance (3)
CM 315  Construction Contracts & Legal Issues (3)
CM 320  Construction Cost Estimating (3)
CM 322  Comm Arch Drftg & Design (3)
CM 325  Bldg Mechanical & Electrical Syst (3)
CM 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)

FACILITIES MANAGEMENT & SUSTAINABILITY (42 Hours)

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

INDUSTRIAL & SAFETY MANAGEMENT (42 Hours)

ET 160  Basic Electricity & Electronics (3)
ET 304  Intro to PLCs (3)
EV 453  Occupational Health (3)
EV 454  Risk Assessment Appl (3)
EV 455  Industrial Hygiene (3)
IM 313  Facilities Planning (3)
IM 315  Work Measurement (3)
IM 411  Total Quality Assurance (3)
IM 417  Manufacturing Resource Analysis (3)
MA 139  Applied Calculus (3)
MN 120  Fund of Engr Design Processes (3)
MN 170  Industrial Materials & Testing (3)
MN 203  Industrial Materials & Process I (3)
MN 304  Industrial Materials & Processes II (3)
SUSTAINABLE ENERGY SYSTEMS MANAGEMENT (42 Hours)
ET 160 Basic Electricity & Electronics (3)
ET 365 Industrial Electrical Power (3)
ET 426 Sustainable Energy Tech (3)
ET 463 Photovoltaic Syst Analysis & Design (3)
ET 470 Energy Mgmt – Indus Processes (3)
FM 504 Facilities Management (3)
FM 544 Sust Constr Matls & Tech (3)
FM 554 Facilities Operation & Supervision (3)
FM 564 Sustainable Facil Plan & Design (3)
FM 565 Building Energy Management (3)
IM 455 Sustainable & Green Mlg (3)
MA 139 Applied Calculus (3)
UI 360 Recycling & Waste Management (3)
UI 387 Env Law & Public Policy (3)

TELECOMMUNICATIONS & COMPUTER NETWORKING (42 Hours)
ET 160 Basic Electricity & Electronics (3)
ET 245 Logic Circuits (3)
IM 317 Cooperative Industrial Internship (3)
CY 201 Intro to Cybersecurity (3)
MA 139 Applied Calculus (3)
TN 254 Fiber Optics & Network Comm (3)
TN 255 Microcomputer Maint & Troubleshooting (3)
TN 275 Network Fundamentals (3)
TN 375 Network Routing Protocol & Concepts (3)
TN 395 Server Maint & Troubleshooting (3)
TN 425 Wireless Comm & Mobile Data Netwk (3)
TN 435 Network Security (3)
TN 563 LAN Switching (3)
TN 565 Network Management (3)
TN 566 IP Telephony (3)

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

BACHELOR OF SCIENCE IN ATHLETIC TRAINING DEGREE
For students planning to see careers as a certified athletic trainer. See Admission to Athletic Training criteria under Admissions, page 10.

ATHLETIC TRAINING
72 Hour Major - No Minor Required
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 304 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 499 Athletic Training Internship (6)
HL 511 Applied Anatomy (3)

Additional Requirements: 20 Hours
BS 113/013 Anatomy & Physiology I (4)
BS 114/014 Anatomy & Physiology II (4)
CH 180 Chemistry in Our World (3)*
EN 140 Rhet & Critical Thinking (3)
MA 134 College Algebra (3)*
PY 101 Psych Perspect/Human Behav (3)

*Higher level course is acceptable
Bachelor of Science in Business Administration Majors

Southeast Missouri State University 2014-15

BACHELOR OF SCIENCE IN BUSINESS ADMINISTRATION DEGREE

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

Accounting
Business Administration
Economics
Options: Business Economics
Financial Economics
Finance
International Business
Management
Options: Entrepreneurship
Human Resource Management
Management
Marketing
Options: Integrated Marketing Communications
Marketing Management
Sales Management

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

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

BUSINESS ADMINISTRATION CORE

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

33 Hours Required
(A grade of ‘C’ is required in each core course.)

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

Choose 3 Hours From:*
AC 540 International Perspectives of Accounting (3)
BA 560 International Business Study Tour (3)
EC 580 International Economics (3)
FI 540 International Finance (3)
MG 560 International Management (3)
MK 560 International Marketing (3)

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

Support Courses
30 Hours Required
(Some courses may fulfill University Studies requirements. A grade of 'C' or better is required in each support course.)
AD 101 Intro to Microcomputer Applications (3)
EC 215 Principles of Microeconomics (3)
EC 225 Principles of Macroeconomics (3)
EN 140 Rhetoric & Critical Thinking (3)
MA 134 College Algebra (3)
MG 252 Business Communication (3)
QM 257 Business Statistics (3)
QM 258 Business Statistics II (3)
SC 105 Fundamentals of Oral Communication (3)
UI 400 Business & Ethics (3)

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

ACCOUNTING

27 Hour Major - No Minor Required

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

Choose 15 Hours From:
AC 330 Accounting Information Systems (3)
AC 331 Cost Accounting & Analysis (3)
AC 534 Fin Acct & Reporting III (3)
AC 537 Adv Audit & Assurance Svcs (3)
AC 545 Tax of Bus Entities (3)
AC 548 Govt & Not-For-Profit Acct (3)
AC/BL 563 Legal/Ethical Issues of Acct (3)
AC 573 Internship in Accounting (3)

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

24 Hour Major - No Minor Required

Required Courses:
AC/BA/BL/EC/FI/MG/MI/MK/QM 300-599 level (24)*
*Choose a minimum of 4 disciplines with no more than 9 hours in one discipline (represented by subject prefix).
*Core and support courses for BSBA degree will not count here.
*No more than 6 hours can double count in this major and a minor in the Harrison College of Business.
*No more than 9 hours may double count between this major and a second Business major.

ECONOMICS

25 Hour Major - No Minor Required

Choose One 25 Hour Option:

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

Choose 6 Hours From:
EC 351 Applied Economic Models (3)
EC 380 Labor Economics (3)
EC 490 Business & Econ Forecasting (3)
UI 371 Government & Business (3)

Choose 9 Hours From:
EC xxxx EC course, (235-500 level)
UI 349 Comparative Economic Systems (3)
UI 366 Law and Economics (3)

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

Choose 6 Hours From:
EC 351 Applied Economic Models (3)
EC 470 Public Sector Economics (3)
EC 580 International Economics (3)
FI 368 Investments (3)

Choose 6 Hours From:
EC xxxx EC course (235-500 level)
UI 322 International Political Economy (3)
UI 349 Comparative Economic Systems (3)
UI 366 Law & Economics (3)
UI 371 Government & Business (3)

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

FINANCE

24 Hour Major - No Minor Required

Required Courses:
FI 362 Advanced Financial Management (3)
FI 364 Modern Financial Institutions (3)
FI 368 Investments (3)
FI 480 Financial Policy (3)

Choose 12 Hours From:
FI 351 Principles of Insurance (3)
FI 363 Entrepreneurial Finance (3)
FI 365 Real Estate Principles & Practices (3)
FI 473 Internship in Finance (3)
FI 475 Futures Seminar (3)
FI 493 Independent Study in Finance (1-3)
FI 540 International Finance (3)
FI 568 Portfolio Seminar (3)

Three of the above twelve hours may be from the following:
AC 321 Financial Acctg & Reporting I (3)
AC 375 Financial Statement Analysis (3)
EC 335 Money & Banking (3)
EC 351 Applied Economic Models (3)
EC 410 Macroeconomic Theory (3)

INTERNATIONAL BUSINESS

18 Hour Major

INTERNATIONAL CORE COURSES:

Choose 9 Hours From:
AC 540* International Accounting (3)
BA 458 International Business Internship (3)
BA 560* International Business (3)
EC 580* International Economics (3)
FI 540* International Finance (3)
MG 560* International Management (3)
MK 560* International Marketing (3)

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

FOREIGN LANGUAGE/ CULTURAL SUPPORT

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

OR

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

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

24 Hour Major - No Minor Required
(Cannot double count elective choices in more than one option.)

Required Management Core Courses:
BA 361 Princ of Entrepreneurship (3)
MG 356 Found of Human Resource Mgmt (3)
MG 470 Leadership in Management (3)

Real World Experience – Choose one option:
  Participate in departmentally approved international academic program (3)
  OR
  Complete departmentally approved internship (3)

Choose One 12 Hour Option:

ENTREPRENEURSHIP

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

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

HUMAN RESOURCE MANAGEMENT

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

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

MANAGEMENT

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

Choose 3 hours from the following:
BA 531 Imag, Creat & Innovation (3)
BA 561 Bus Planning for New Ventures (3)
IM 411 Total Quality Assurance (3)

MG 457 Organizational Behavior (3)
MG 526 Manag & Dev New Talent (3)
MG 560 International Management (3)*
MK 349 Retail Management (3)
MK 447 Sales Management (3)

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

MARKETING

24 Hour Major - No Minor Required

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

Choose 3 Hours MK Courses (300-500 level except MK 301), MG 560*, MK 560*, BA 361 or BA560*

Real World Experience – Choose one option:
  Participate in departmentally approved international academic program
  OR
  Complete departmentally approved internship

Choose One Option:

INTEGRATED MARKETING COMMUNICATIONS

MK 342 Professional Selling (3)
MK 443 Integrated Mktg Comm Pract (3)

Choose 3 Hours:
MK 341 Public Relations (3)
MK 555 Internet Marketing (3)

MARKETING MANAGEMENT

MK 348 Product & Pricing Strategy (3)

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

Choose 3 Hours:
MK 346 Distribution Management (3)
MK 349 Retail Management (3)

SALES MANAGEMENT

MK 342 Professional Selling (3)
MK 447 Sales Management (3)

Choose 3 Hours:
MG 354 Bus Negotiation: Conc/Practice (3)
MG 470 Leadership in Management (3)
MG 550 Improving Team Performance (3)

*If selected as elective, cannot also count for international course requirement for the BSBA degree.
BACHELOR OF SCIENCE IN EDUCATION DEGREE

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

Early Childhood Education (birth-grade 3)
Elementary Education (grades 1-6)
Exceptional Child Education (grades K-12)
Middle School Education (grades 5-9)
Secondary Education (grades 9-12)

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

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 on a 4.00 scale 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 13, 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. This check will then provide the COE updated rapbacks should teacher candidates have a future event that is coded in to the FBI background check system.

EARLY CHILDHOOD EDUCATION

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

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

BLOCK I: 5 Hours
ED 250 Intro to Teaching (2)
PY/CF 120 The Child: Development to Adolsc (3)

BLOCK II: 17 Hours
CE 340 Family/School Collaboration (3)
EF 304 School & Society (2)
EL 313 Children & the Arts (2)
EL 314 Elementary Field Experience (3)
EL 315 Theories of Learning & Management (2)
EL 316 Foundations of Reading Techniques (3)
EL 317 Foundations of Lang Arts Techniques (2)

EARLY CHILDHOOD BLOCK: 15 Hours
CE 330 Classroom Management (3)
CE 365 Connecting Asmt & Curric in Early Yrs (2)
CE 366 Devel Curric in Early Chldhd Educ (4)
CE 368 Early Childhood Field Experience (3)
CE 370 Lang Dvlpmnt of Young Child (3)

BLOCK III: 14 Hours (16 Hours if adding Elem.
Ed 1 - 6+)
EL 350 Elementary Field Experience (3)
EL 351 Tech of Teaching Elem Science (2)
EL 352 Tech of Teaching Elem Social Studies (1)
EL 353 Tech of Teaching Elem Mathematics (2)
EL 354 Corrective Reading Instruction (3)
EL 355 Reading: Study Strat/Skills*
EX 390 Psych & Educ of the Except Child (3)

BLOCK IV: 13 Hours
CE 433 Student Teaching Early Childhood (1st) (6)
CE 434 Student Teaching Early Childhood (2nd) (6)
EF 400 Seminar in Education Issues (1)

Additional Early Childhood Requirements: 16 Hours
BS 118 Intro Process Science Elem Teachers (1)
CF 124 Child Health, Safety & Nutrition (3)
CF 280 Learn Theory/Appli: Preschool (3)
CF 285 Learn Theory/Appli: Infants & Toddlers (3)
CF 300 Parent Education (3)
ED 251 Intro to Technology (2)
MU 356 Music Skills/Classroom Teacher (1)

Additional Requirements: 33 Hours
(Some courses may fulfill University Studies requirements)
BS 218 Biological Science: A Process Appr (3)
EC 101 Economic Problems & Policies (3)
EL 274 Diversity in America's Schools (3)
EN 140 Rhetoric & Critical Thinking (3)
LI 243 Children's Literature (3)
MA 118 Mathematics I (3)
PH 218 Physical Science: A Process Approach (3)
PS 103 U.S. Political Systems (3)
SC 105 Fundamentals of Oral Communication (3)
### Bachelor of Science in Education Majors

**Southeast Missouri State University 2014-15**

<table>
<thead>
<tr>
<th>Course Code</th>
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<tbody>
<tr>
<td>UI 318</td>
<td>Earth Science: A Process Approach (3)</td>
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<tr>
<td>US 105</td>
<td>American History I (3)</td>
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</tr>
<tr>
<td>US 107</td>
<td>American History II (3)</td>
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</table>

**ELEMENTARY EDUCATION**

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

In addition to other requirements, an Area of Specialization must be chosen from:
- Language & Literature
- Mathematics
- Science
- Social Science

**Professional Education Requirements: 47 Hours**

*These courses may also meet University Studies requirements*

**BLOCK I: 5 Hours**
- ED 250 Intro to Teaching (2)
- PY/CF 120 The Child: Devel/Conception to Adolsc (3)

**BLOCK II: 14 Hours**
- EF 304 School & Society (2)
- EL 313 Children & the Arts (2)
- EL 314 Elementary Field Experience (3)
- EL 315 Theories of Learning & Management (2)
- EL 316 Foundations of Reading Techniques (3)
- EL 317 Foundations of Lang Arts Techniques (2)

**BLOCK III: 16 Hours**
- EL 350 Elementary Field Experience (3)
- EL 351 Tech of Teaching Elem Science (2)
- EL 352 Tech of Teaching Elem Social Studies (1)
- EL 353 Tech of Teaching Elem Mathematics (2)
- EL 354 Corrective Reading Instruction (3)
- EL 355 Reading: Study Strategies & Skills (2)
- EX 390 Psych & Educ of the Except Child (3)

**BLOCK IV: 13 Hours**
- EF 400 Seminar in Education Issues (1)
- EL 453 Student Teaching Elementary (1st) (6)
- EL 454 Student Teaching Elementary (2nd) (6)

**Additional Elementary Requirements: 15 Hours**
- BS 118 Intro Process Science Elem Teachers (1)
- ED 251 Intro to Technology (2)
- EL 274 Diversity in America's Schools (3)
- HL 210 Health & Safety (2)
- MA 318 Math for Elementary Teachers II (3)
- MA 418 Geometry for Teachers (3)
- MU 356 Music Skills/Classroom Teacher (1)

**Additional Requirements: 33 Hours**

**EXCEPTIONAL CHILD EDUCATION WITH ELEMENTARY CERTIFICATION**

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

**Professional Education Requirements: 66 Hours**

*These courses may also meet University Studies requirements*

**BLOCK I: 5 Hours**
- CF/PY 120 The Child (3)
- ED 250 Intro to Teaching (2)

**BLOCK II: 16 Hours**
- EF 304 School & Society (2)
- EX 302 Language Devel of the Except Child (2)
- EL 313 Children & the Arts (2)
- EL 314 Elementary Field Experience (3)
- EL 315 Theories of Learning & Management (2)
- EL 316 Foundations of Reading Techniques (3)
- EL 317 Foundations of Lang Arts Techniques (2)

**BLOCK III: 18 Hours**
- EX 304 Behavior Management (3)
- EX 305 Teach Adolsec with Mild Disabilities (3)
- EX 309 Except Child Educ Field Experience (3)
- EX 312 Diag & Remed of L D in Math (3)
- EX 317 Assmt & Tech of Teaching Except Child (3)
- EX 373 Techniques of Cross Categorical (3)

**BLOCK IV: 13 Hours**
- EL 350 Elementary Field Experience (3)
MIDDLE AND SECONDARY EDUCATION

MIDDLE SCHOOL EDUCATION: Grades 5-9

Middle School Professional Education Requirements: 43 Hours

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

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

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

**BLOCK II:** 17 Hours
- EF 304  School & Society (2)
- SE 275  Diversity in America’s Schools (3)
- SE 301  Fundamentals of Middle School Education (3)
- SE 302  Teaching Reading & Writing in Mid School (3)
- SE 305  Secondary Block II Field Experience (2)
- SE 306  Theories of Learning & Management (2)
- SE 307  Teaching Reading/Secondary School (2)

**BLOCK III:** 13 Hours
- EX 390  Psychology & Educ of Except Child (3)
- SE 300  Technology to Enhance Learning (2)
- SE3XX  Special Subject Techniques Course (3)*
- SE3XX  Special Subject Techniques Course (3)*
- SE 371  Middle Block III Field Experience – Lang. Arts (1)*
- SE 372  Middle Block III Field Experience – Math (1)*
- SE 373  Middle Block III Field Experience – Science (1)*
- SE 374  Middle Block III Field Experience – Social Studies (1)*

**BLOCK IV:** 13 Hours
- EF 400  Seminar/Educ Issues for Student Teachers (1)
- SE 463  Student Teaching Secondary (1st) (6)
- SE 464  Student Teaching Secondary (2nd) (6)

Middle School Education - Choose One Option:

**OPTION I:** Middle School Majors must choose two areas of concentration (total of 42-43 Hours) (See advisor for specific courses required in each option.)
- Language Arts (21)
- Mathematics (21)
- Science (23)
- Social Studies (21)

**OPTION II:** Secondary Education majoring in Language Arts, Mathematics, Science, or Social Studies can add a Middle School certification in the same content area. *Middle level majors must choose two areas of concentration, which require two Techniques of Teaching courses and each Techniques course requires its own specialty*.

SE37X Middle Block III Field Experience for a total of 2 hours of Block III field experience. Middle level majors must also complete all content requirements as needed.

SECONDARY EDUCATION

Secondary level majors must choose from the following majors:
- Agricultural Education
- Art Education (K-12)
- Biology Education
- Business Education
- Chemistry Education
- Engineering Technology Education
- English Education
- Family & Consumer Sciences (Birth-12)
- French Education (K-12)
- German Education (K-12)
- Mathematics Education
- Music Education (K-12)
- Physical Education (K-12)
- Physics Education
- Social Studies Education
- Spanish Education (K-12)
- Unified Science: Biology
- Unified Science: Chemistry
- Unified Science: Physics
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.

**Secondary Professional Education Requirements:**

**37 Hours**

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

**BLOCK II: 14 Hours**
- EF 304 School & Society (2)
- SE 305 Secondary Block II Field Experience (2)
- SE 306 Theories of Learning & Management (2)
- SE 307 Teaching Reading/Secondary School (2)
- SE 308 Fund of High School Education (3)
- SE 275 Diversity in America’s Schools (3)

**BLOCK III: 10 Hours**
- EX 390 Psychology & Educ of Except Child (3)
- SE 300 Technology to Enhance Learning (2)
- SE xxx Special Subject Techniques Course (3)
- SE 370 Secondary Block III Field Experience (2)

**BLOCK IV: 13 Hours**
- EF 400 Seminar/Educ Issues for Student Teachers (1)
- SE 463 Student Teaching Secondary (1st) (6)
- SE 464 Student Teaching Secondary (2nd) (6)

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

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

- EN 140 Rhetoric & Critical Thinking (3)
- SC 105 Fundamentals of Oral Communication (3)
- Any BI/BS course in Living Systems (3)
- US 105 American History I (3)
- OR
- US 107 American History II (3)
- PS 103 US Political Systems (3)
- SE 275 Diversity in America’s Schools (3)
- Any CH, PH, GO course

**Secondary Level students only must also take:**
- MA 123 Survey of Mathematics (3)
  - OR
- MA 134 College Algebra (3)
  - OR
- MA 155 Statistical Reasoning (3)

**Middle Level students only must also take:**
- MA 118 Mathematics I (3)
- MA 318 Mathematics II (3)

**AGRICULTURAL EDUCATION**

**40 Hour Major - No Minor Required**

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

**Required Courses:**
- AD 101 Intro to Microcomputer Appl (3)
- AG 201 World Food & Society (3)
- AG 245 Agricultural Economics (3)
- AG 250 Agribusiness Management (3)
- AG 302 Agr Educ Planning (3)
- AG 303 Agricultural Mechanization (3)
- AG 334 Agribusiness Finance (3)
- AG 355 Agricultural Seminar (1)
- AG 447 Marketing Agric Products (3)
- AO 120 Plant Science (3)
- AO 215 Soils (3)
- AO 301 Animal Science (3)
- HO 110 Horticulture (3)
- UI 436 Agricultural Ethics (3)

**Additional Requirements:**
- CH 181 Basic Prin of Chem (5)
  - OR
- CH 185 General Chemistry (5)
- MA 134 College Algebra (3)

**ART EDUCATION**

**48 Hour Major - No Minor Required**

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

**Required Courses:**
- AH 110 Art History Survey I (3)
- AH 210 Art History Survey II (3)
- AH 3xx-5xx Art History (6)
- AR 001 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 270 • Art for the Elementary Teacher (3)

### AR 330 • Fibers I (3)

### AR 332 • Sculpture I (3)

### AR 342 • Ceramics I (3)

### AR 325 • Painting (3)

**Choose 3 Hours From:**

### AR 302 • Printmaking (3)

### AR 303 • Screenprinting (3)

### AR 501 • Intaglio Printmaking (3)

### AR 502 • Litho Printmaking (3)

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

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

### BIOLOGY EDUCATION

**51-69 Hour Major - No Minor Required**

**Required Courses:**

<table>
<thead>
<tr>
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<th>Title</th>
<th>Hours</th>
</tr>
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<tbody>
<tr>
<td>BI 151</td>
<td>Biological Reasoning</td>
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<tr>
<td>BI 153</td>
<td>Intro to Organismal Biology</td>
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<td>BI 154</td>
<td>Genetics and Cell Biology</td>
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<td>BI 200</td>
<td>General Microbiology</td>
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<td>BI 489</td>
<td>Analysis of Biological Issues</td>
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<td>MA 133</td>
<td>Plane Trigonometry</td>
<td>3</td>
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<tr>
<td>MA 134</td>
<td>College Algebra</td>
<td>3</td>
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<tr>
<td>UI 422</td>
<td>Scientific Reasoning</td>
<td>3</td>
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</table>

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

**Choose One Option:**

**BIOLOGY EDUCATION OPTION:**

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<tr>
<th>Course</th>
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<tr>
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<td>Environmental Biology</td>
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<tr>
<td>BI 332</td>
<td>General Ecology</td>
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<tr>
<td>BS 113</td>
<td>Anatomy &amp; Physiology I (4)</td>
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<td>AND</td>
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<tr>
<td>BS 114</td>
<td>Anatomy &amp; Physiology II (4)</td>
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**6 hours Biology electives – BI/BO/ZO 300 level or higher**

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<td>PH 106</td>
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<td>PH 120</td>
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<tr>
<td>PH 121</td>
<td>Intro Physics II</td>
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<td>CH 181</td>
<td>Basic Prin of Chemistry</td>
<td>5</td>
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<tr>
<td>OR</td>
<td></td>
<td></td>
</tr>
<tr>
<td>CH 185</td>
<td>General Chemistry</td>
<td>5</td>
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<td>AND</td>
<td></td>
<td></td>
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<tr>
<td>CH 186</td>
<td>Found of Inorganic Chem</td>
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**Choose one of the following:**

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<td>GO 110</td>
<td>Physical Geology</td>
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<td>GO 220</td>
<td>Meteorology</td>
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**UNIFIED SCIENCE OPTION:**

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<td>BI 332</td>
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<tr>
<td>BS 113</td>
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<td>CH 185</td>
<td>General Chemistry</td>
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<td>CH 186</td>
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<td>GO 110</td>
<td>Physical Geology</td>
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<tr>
<td>GO 220</td>
<td>Meteorology</td>
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<tr>
<td>GO 320</td>
<td>Oceanography</td>
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<tr>
<td>UI 318</td>
<td>Earth Science: Proc Approach</td>
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### BUSINESS EDUCATION

**36 Hour Major - No Minor Required**

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

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<td>AD 101</td>
<td>Intro to Microcomputer Appl</td>
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<td>BL 255</td>
<td>Legal Environment of Business</td>
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<td>FI 260</td>
<td>Personal Finance</td>
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<td>GM 180</td>
<td>Intro to Graphics</td>
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<td>IS 175</td>
<td>Comp Info Systems</td>
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<td>OR</td>
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<tr>
<td>MI 375</td>
<td>Mgmt Info Systems</td>
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<tr>
<td>IS 275</td>
<td>Comp Info Systems II</td>
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<tr>
<td>IS 339</td>
<td>Network Support Syst</td>
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<tr>
<td>MG 252</td>
<td>Business Communication</td>
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<td>MG 301</td>
<td>Principles of Management</td>
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<td>MK 301</td>
<td>Principles of Marketing</td>
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<td>SE 527</td>
<td>Implementing Busn Educ</td>
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<td>Keyboarding proficiency exam</td>
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### CHEMISTRY EDUCATION

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

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

**Required Courses:**

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<td>CH 271</td>
<td>Found of Analy Chem</td>
<td>5</td>
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<td>CH 311</td>
<td>Found of Phys Chem</td>
<td>4</td>
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<tr>
<td>CH 313</td>
<td>Physical Chem Lab</td>
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<td>CH 341</td>
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<tr>
<td>CH 342</td>
<td>Organic Chemistry Lab I</td>
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<td>PH 120</td>
<td>Introductory Physics I</td>
<td>5</td>
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</tbody>
</table>
Bachelor of Science in Education Majors

Southeast Missouri State University 2014-15

| PH 121 | Introductory Physics II (5) |
| PH 230 | General Physics I (5) |
| PH 231 | General Physics II (5) |
| UI 331 | Found of Biochemistry (3) |
| UI 422 | Scientific Reasoning (3) |
| UI 443 | Professional Exp in Chemistry (3) |

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

**Additional Requirements: 6 Hours**
- MA 134  College Algebra (3)
- MA 139  Applied Calculus (3)

**Choose one option:**

**CHEMISTRY EDUCATION OPTION:**

**Choose one of the following:**
- GO 110  Physical Geology (3)
- GO 220  Meteorology (3)
- GO 320  Oceanography (3)
- UI 318  Earth Science: Process Approach (3)

**Choose one of the following:**
- BI 352  General Ecology (3)
- BS 105  Environmental Biology (3)
- CH 450/EV 450 Environmental Chem (3)
- GO 150  Earth Science: Environ Hazards (3)
- GO 305  Environmental Geoscience (3)
- UI 360  Recycling & Waste Management (3)
- UI 372  Earthquakes & Society (3)

**UNIFIED SCIENCE OPTION:**
- BO 200  Plant Biology (4)
- CH 450/EV 450 Environmental Chem (3)
- GO 110  Physical Geology (3)
- GO 220  Meteorology (3)
- GO 320  Oceanography (3)
- MA 153  Plane Trigonometry (3)
- ZO 200  Animal Biology (3)

**ENGINEERING TECHNOLOGY EDUCATION**

**36 Hour Major - No Minor Required**

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

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

**Required Courses:**
- AG 303  Agricultural Mech (3)
- CM 126  Comp Aided Arch/Draft (3)
- CM 243  Construction Methds & Matsls II (3)
- ET 160  Basic Electricity & Electronics (3)
- IE 401  Technology Education Mgt (3)
- MN 120  Fund of Engr Design Processes (3)
- MN 170  Engr Materials & Testing (3)
- MN 203  Industrial Materials & Process I (3)
- PG 284  Photography Fundamentals (3)

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

**ENGLISH EDUCATION**

36 Hour Major - No Minor Required

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

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

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

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

**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)
Bachelor of Science in Education Majors

Southeast Missouri State University 2014-15

EN 376 Advanced Composition (3)

**Upper Division Electives (Choose 6 hours):**
EN 300-EN 599 English elective
LI 300-LI 599 Literature elective
UI 332 Images of Women in Literature (3)
UI 341 Victorian Studies (3)
UI 431 Shakespeare Trag & Hum Cond (3)
UI 432 Shakespeare Hist/Com & Hum Cond (3)

Additional Requirement:
LI 256 Variety of Literature (3)

**FRENCH EDUCATION**

36 Hour Major - No Minor Required
*(A grade of 'C' or better is required in all courses within the major.)*

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

**Choose 6 Hours From:**
FL 311 Survey of FR, GN & SN Lit (3)
FR 311 Survey of French Literature II (3)
FR 415 17th Century French Literature (3)
FR 430 20th Century French Literature (3)

**Choose 6 Hours From:**
FR 301 Intermediate French Composition (3)
FR 305 Intermediate French Conversation (3)
FR 315 Commercial French (3)
FR 330 French Grammar (3)

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

**Additional Requirement:**
Choose 3 Hours From:
AN 101 Observing Other Cultures (3)
AN 181 Intro to Cultural Anthropology (3)
AN 341 Intro to Linguistic Anthropology (3)
AN 390 European Prehistory (3)
EH 103 European Civilization (3)
EH 370 Europe in the 20th Century (3)
EH 516 History of Modern Germany (3)
EH 527 Intellectual History of Europe (3)
UI 375 European Film (3)

**GERMAN EDUCATION**

36 Hour Major - No Minor Required
*(A grade of 'C' or better is required in all courses within the major.)*

**Required Courses:**
GN 001 German Exit Exam (0)
GN 100 German Language & Culture I (3)

**Choose 6 Hours From:**
FL 311 Survey of FR, GN & SN Lit (3)
GN 310 Survey of German Language II (3)
GN 311 Survey of German Literature II (3)
GN 424 Twentieth-Century German Literature (3)
GN 440 Special Topics: German (3)

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

**Additional Requirement:**
Choose 3 Hours From:
AN 181 Intro to Cultural Anthropology (3)
AN 341 Intro to Linguistic Anthropology (3)
AN 390 European Prehistory (3)
EH 103 European Civilization (3)
EH 370 Europe in the 20th Century (3)
EH 516 History of Modern Germany (3)
EH 527 Intellectual History of Europe (3)
UI 375 European Film (3)

**MATHEMATICS EDUCATION**

43-44 Hour Major - No Minor Required
*(A grade of 'C' or better is required in all courses within the major.)*

**Required Courses:**
MA 003 Math Major Field Achvmt Test (0)
CS 155 Computer Science I (4)

**OR**
CS 177 Program for Scientist & Eng (3)

**OR**
IS 130 Visual Basic (3)
MA 138 Discrete Mathematics I (3)
MA 140 Analytic Geometry & Calculus I (5)
MA 145 Analytic Geometry & Calculus II (4)
MA 223 Elem Probability & Statistics (3)

**OR**
MA 523 Probability & Statistics I (3)
MA 240 Analytic Geometry & Calculus III (3)
MA 250 Foundations of Mathematics (3)
MA 340 Concepts of Geometry (3)
MA 345 Linear Algebra (3)
MA 445 Elementary Number Theory (3)
MA 445  Modern Algebra (3)  
MA 448  Mathematics Seminar (1)  
UI 438  Nature & Growth of Mathematical Thought (3)  

Choose 3 Hours From:  
MA 523  Probability & Statistics I (3)  
MA 540  Projective Geometry (3)  
MA 545  Linear Algebra & Matrices (3)  
MA 546  Advanced Calculus I (3)  

MIDDLE SCHOOL EDUCATION  
(5-9 CERTIFICATE)  
Choose One Option  
OPTION I: Two Areas of Concentration (42-43 Hours)  
  Language Arts (21)  
  Mathematics (21)  
  Science (23)  
  Social Studies (21)  
OPTION II: Secondary Education majoring in Language Arts, Mathematics, Science, or Social Studies can add a Middle School certification in the same content area.  

PHYSICAL EDUCATION  
(PK-12 CERTIFICATE)  
49 Hour Major - No Minor Required  
(A grade of 'C' or better is required in all courses within the major.)  
Required Courses:  
BS 113  Anatomy & Physiology I (4)  
HL 231  Fitness Conditioning (3)  
PE 201  Sport & Society (3)  
PE 216  Theory & Practice of Team Sports (2)  
PE 217  Theory /Pract of Individ/Dual Leis Act (4)  
PE 220  First Aid (2)  
PE 235  Psych of Coaching & Human Perf (3)  
PE 238  Foundations, Hist, Phil of PE (3)  
PE 239  Teaching Children Physical Education (3)  
PE 240  Rhythm, Plays & Games (2)  
PE 305  Motor Development & Learning (3)  
PE 310  Asmnt for Physical Educators (3)  
PE 315  Methods in Middle School PE (3)  
PE 341  Physiology of Conditioning (3)  
PE 408  Phys Educ for Individuals with Disabilities (3)  
PE 464  Kinesiology (3)  
Choose One Hour From the Following:  
AT 103  Swimming (1)  
AT 136  Walk/Jog for Fitness (1)  
AT 142  Weight Training I (1)  
AT 153  Angling, Archery & Firearms (1)  
AT 164  Golf (1)  
AT 176  Tennis (1)  
AT 192  Judo (1)  
AT 198  Tae Kwon Do (1)  

Choose One Hour From the Following:  
AT 130  Aerobics (1)  
DA 130  Ballroom Dance (1)  

PHYSICS EDUCATION  
57-73 Hour Major - No Minor Required  
(A grade of 'C' or better is required in all courses within the major.)  
Required Courses:  
EP 100  Physic & Engr Concepts (1)  
MA 140  Calculus I (5)  
MA 145  Calculus II (4)  
MA 240  Calculus III (3)  
MA 245  Vector Calculus (2)  
PH 230/030  General Physics I (5)  
PH 231/031  General Physics II (5)  
PH 341  Optics (3)  
PH 345  Experimental Methods I (3)  
OR  
UI 330  Experimental Methods I (3)  
PH 360  Modern Physics (3)  
PH 370  Mechanics (3)  
PH 371  Electromagnetics (3)  
UI 422  Scientific Reasoning (3)  
Choose 3 Hours From:  
BI 332  General Ecology (3)  
BS 105  Environmental Biology (3)  
GO 305  Environmental Geoscience (3)  
UI 360  Recycling & Waste Mgt (3)  
UI 372  Earthquakes & Society (3)  

Choose one option:  
PHYSICS EDUCATION OPTION:  
CH 181  Introductory Chemistry I (5)  
OR  
CH 185  General Chemistry (5)  
AND  
CH 186  Found of Inorganic Chem (3)  

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

Choose 3 Hours From:  
GO 110  Physical Geology (3)  
GO 220  Meteorology (3)  
GO 320  Oceanography (3)  
UI 318  Earth Sci: A Process Approach (3)
UNIFIED SCIENCE OPTION:
CH 185  General Chemistry (5)
CH 186  Found of Inorganic Chem (3)
BO 200  Plant Biology (4)
GO 110  Physical Geology (3)
GO 220  Meteorology (3)
GO 320  Oceanography (3)
ZO 200  Animal Biology (3)
Choose 3-4 Hours From:
BS 108  Biology for Living (3)
BS 218  Bio Science: A Process Approach (3)

SOCIAL STUDIES EDUCATION
54 hour major – No minor required
(A grade of 'C' or better is required in all courses within the major.)
Required courses:
AN 181  Intro to Cultural Anthropology (3)
EC 101  Economic Problems and Policies (3)
GG 150  Peoples and Places of the World (3)
OR
UI 308  Cult & Phy Landscapes of the World (3)
EH 101  Early European Civ (3)
EH 103  Modern European Civ (3)
GH 315  Historiography (3)
PS 103  U.S. Political Systems (3)
PY 102  Introduction to Psychology (3)
OR
PY 101  Psych Persp on Human Behr (3)
SS 200  Intro to Tchng Social Studies/Sec Schl (3)
SS 300  Constr Curr/Sec Social Studies (3)
US 105  American History I (3)
US 107  American History II (3)
WH 305  World Civilizations (3)
Choose 6 hours from:
Any US history courses (300-599) (3)
UI 313  The African American Experience (3)
UI 446  The Civil Rights Movement (3)
UI 457  African American Slavery (3)
Choose 3 hours from:
Any EH course (300-599) (3)
Choose 3 hours from:
Any WH course (3)
UI 350  Middle East Politics (3)
Choose 3 hours from:
PS 310  Govt & Politics of the Am States (3)
PS 335  American Foreign Policy (3)
PS 360  Political Parties & Voting Behrs (3)
PS 365  Legislative Process (3)
PS 390  American Judicial System (3)

SPANISH EDUCATION
36 Hour Major - No Minor Required
(A grade of 'C' or better is required in all courses within the major.)
Required Courses:
SN 001  Spanish Exit Exam (0)
SN 100  Spanish Language & Culture I (3)
SN 120  Spanish Language & Culture II (3)
SN 200  Spanish Language & Culture III (3)
SN 220  Hispanic Literature (3)
SN 300  Spanish American Culture (3)
SN 306  Civilization of Spain (3)
Choose 6 Hours From:
FL 311  Survey of FR, GN & SN Lit (3)
SN 403  Survey of Spanish Literature I (3)
SN 404  Survey of Spanish Literature II (3)
SN 430  Spanish American Literature I (3)
SN 435  Spanish American Literature II (3)
Choose 6 Hours From:
SN 301  Intermediate Spanish Composition (3)
SN 305  Intermediate Spanish Conversation (3)
SN 316  Commercial Spanish (3)
SN 330  Spanish Grammar (3)
Choose 6 Hours FL/SN Electives (300-500 level)
Additional Requirement:
Choose 3 Hours From:
AN 101  Observing Other Cultures (3)
AN 181  Intro to Cultural Anthropology (3)
AN 341  Intro to Linguistic Anthropology (3)
AN 360  Ancient Civ of Meso-America (3)
EH 370  Europe in the 20th Century (3)
WH 125  Islamic Civilization (3)
WH 130  Latin American Civilization (3)
UI 375  European Film (3)
WH 520  Latin America Colonial History (3)
WH 524  Hist of Mexico Since 1810 (3)

BACHELOR OF SCIENCE IN FAMILY AND CONSUMER SCIENCES EDUCATION DEGREE
For students planning to teach occupational family and consumer sciences or consumer homemaking in junior high or secondary schools.
A minimum grade of “C” is required in each course in the content major and in each professional education course.
FAMILY AND CONSUMER SCIENCES EDUCATION

30 Hour Major - No Minor Required

Required Courses:
- CF 102  Relationships in the 21st Century (3)
- CF 120  The Child: Development to Adolescence (3)
- CF 209  Intro to Family Systems (3)
- CF 430  Parent Child Interaction (3)
- FA 230  Apparel Analysis (3)
- FE 200  Family Resource Management (3)
- FN 235  Nutrition for Health (3)
- HM 205  Basic Culinary Techniques (3)

Choose 3 hours from:
- CF 402  Relationships of Commitment (3)
- PY 325  Psych Development of the Family (3)

Additional Elective Hours Approved by Advisor (3)

Professional Education Requirements: 41 Hours

Block I: 4 Hours
- ED 250  Intro to Teaching (2)
- ED 251  Intro to Teaching (2)

Block II: 14 Hours
- EF 304  School & Society (2)
- SE 305  Secondary Block II Field Experience (2)
- SE 306  Theories of Learning & Management (2)
- SE 307  Teaching Reading/Secondary School (2)
- SE 308  Fund of High School Education (3)
- SE 275  Diversity in America’s Schools (3)

Block III: 10 Hours
- EX 390  Psych & Education of Exceptional Child (3)
- SE 300  Technology to Enhance Learning (2)
- SE 312  Tech of Teaching Vocational Home Econ (3)
- SE 370  Secondary Block III Field Experience (2)

Block IV: 13 Hours
- EF 400  Seminar/Educ Issues for Student Teachers (1)
- SE 463  Student Teaching Secondary (1st) (6)
- SE 464  Student Teaching Secondary (2nd) (6)

Additional requirements: 24-28 hours
(This course may meet University Studies requirements and must be completed with a minimum grade of “C”)
- EN 140  Rhetoric & Critical Thinking (3)
- PY 222  Development of the Adolescent (3)
- SC 105  Fundamentals of Oral Communication (3)
- Any BI/BS course (3)
- US105  American History I (3)
- OR
- US107  American History II (3)
- PS 103  US Political Systems (3)
- Any CH, PH, GO course (3-5)
- OR
- UI 373  Historical Geology (3)

BACHELOR OF MUSIC EDUCATION DEGREE

For students planning to teach elementary or secondary school music.

MUSIC EDUCATION

65-66 Hour Major - No Minor Required
*A minimum grade of “C” is required in each course in the content major and in each professional education course.*

Required Courses:
- ME 001  Senior Recital (0)
- ME 450  Synth of Music Education Method (2)
- MM 101  Theories of Music in Culture (3)
- MM 102  Basic Harmony & Form (3)
- MM 105  Aural Skills I (1)
- MM 106  Aural Skills II (1)
- MM 203  Adv Harmony, Form & Counterpoint (3)
- MM 204  Twentieth Century Techniques (3)
- MM 207  Aural Skills III (1)
- MM 208  Aural Skills IV (1)
- MH 251  History & Literature of Music to 1827 (3)
- MH 252  Evolution of Musical Style Since 1827 (3)
- MP 1xx  Applied Music (1+1)
- MP 2xx  Applied Music (1+1)
- MP 3xx  Applied Music (1+1)
- MP 4xx  Applied Music (1)
- MU 001  Piano Proficiency (0)
- MU 002  Sophomore Review (0)
- MU 110  Recitals & Concerts (seven semesters) (0)
- MU 151  Functional Piano I (1)
- MU 152  Functional Piano II (1)
- MU 253  Functional Piano III (1)
- MU 254  Functional Piano IV (1)
- MU 341  Basic Conducting (2)
- UI 310  American Musical Experience (3)
- UI 402  Music in World Cultures (3)

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

Choose One Option:

INSTRUMENTAL (20 Hours)
- ME 250  Trumpet & Horn Techniques (1)
- ME 251  Trombone/Euphonium/Tuba Tech (1)
- ME 252  Flute & Double Reed Techniques (1)
- ME 253  Single Reed Techniques (1)
- ME 260  String Techniques (2)
- ME 261  Percussion Techniques (2)
- ME 400  Marching Band Techniques (1)
Bachelor of Science of Music Education Degree / Bachelor of Music Degree
Southeast Missouri State University 2014-15

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<th>Course Code</th>
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<td>MU 220</td>
<td>Class Voice</td>
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<tr>
<td>MU 344</td>
<td>Conducting/Wind Lit</td>
<td>2</td>
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<tr>
<td>MU 3xx</td>
<td>Instrumental Ensemble</td>
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**VOCAL (18 Hours)**
- ME 443  Choral Literature                  | 2     |
- ME 473  Tech of Teaching Choral Lit       | 2     |
- MP 211  Applied Piano                      | 1+1   |
- MU 123  Singer's Diction I                | 1     |
- MU 124  Singer's Diction II               | 1     |
- MU 343  Conducting/Choral Lit             | 2     |
- MU 3xx  Choral Ensemble                   | 7     |
- MU 424  Vocal Pedagogy                    | 2     |

**OR**
- MU 430  Pedagogy: Applied Area            | 2     |

**Professional Music Education Requirements:**
**INSTRUMENTAL & VOCAL - 45 Hours**

**Block I: 7 Hours**
- ED 251  Intro to Technology               | 2     |
- ME 222  Principles of Teaching Music      | 2     |
- PY 222  Development of the Adolescent     | 3     |

**Block II: 16 Hours**
- EF 304  School & Society                  | 2     |
- ME 270  Field Experience Block II         | 3     |
- ME 271  Theories/Learning & Management    | 2     |
- ME 272  Techniques/Teaching Reading in Music | 2 |
- ME 371  General Music Methods: Elem & Sec | 4     |
- SE 275  Diversity in America's Schools    | 3     |

**Block III: 9 Hours**
- EX 390  Psychology & Educ of the Excep Child | 3 |
- ME 370  Field Experience Block III        | 1     |
- ME 372  Instrumental Techniques: Elem & Sec | 3 |

**OR**
- ME 373  Choral Techniques: Elem & Sec    | 3     |
- SE 300  Technology to Enhance Education   | 2     |

**Block IV: 13 Hours**
- EF 400  Seminar/Educ Issues for Student Teachers | 1 |
- SE 463  Student Teaching Experience I     | 6     |
- SE 464  Student Teaching Experience II    | 6     |

**Additional requirements: 12-18 hours**
(These courses may meet University Studies requirements and must be completed with a minimum grade of “C”)
- EN 140  Rhetoric & Critical Thinking      | 3     |
- PY 222  Development of the Adolescent    | 3     |
- SC 105  Fundamentals of Oral Communication | 3   |
- Any BI/BS course                         |       |
- US105  American History I                | 3     |

**OR**
- US107  American History II               | 3     |
- PS103  US Political Systems              | 3     |
- Any CH, PH, GO course                    | 3-5   |

**OR**
- UI373  Historical Geology                | 3     |

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**BACHELOR OF MUSIC DEGREE**

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

**MUSIC**

**76-82 Hour Major - No Minor Required**
(A grade of 'C' or better is required for all courses within the major.)

**Required Courses:**
- MH 251  Hist & Lit of Music to 1827       | 3     |
- MH 252  Hist & Lit of Music from 1827    | 3     |
- MM 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     |
- MU 001  Piano Proficiency                | 0     |
- MU 002  Sophomore Review                 | 0     |
- MU 110  Recitals & Concerts              | 0     |
- MU 151  Functional Piano I               | 1     |
- MU 152  Functional Piano II              | 1     |
- MU 253  Functional Piano III             | 1     |
- MU 254  Functional Piano IV              | 1     |
- MU 300  Junior Recital                    | 1     |
- MU 341  Basic Conducting                 | 2     |
- MU 400  Senior Recital                   | 2     |
- UI 310  American Musical Experience      | 3     |
- UI 402  Music in World Cultures          | 3     |

**Choose 3 Hours From:**
- UI 315  Electronics & Computers in Music | 3*    |
- UI 392  The Age of Romanticism           |       |
- UI 393  The Age of Modernism             |       |
- UI 394  Music & Culture: 1600-1750       | 3     |
- UI 396  The Age of Beethoven             |       |
- UI 397  Music in Medieval & Renaissance Culture | 3 |

* Required for Composition Option

**Choose One Option:**

**COMPOSITION (42 Hours)**
- MP 197  Applied Music: Composition       | 2     |
- MP 298  Applied Music: Composition       | 4     |
- MP 399  Applied Music: Composition       | 6     |
- MP 499  Applied Music: Composition       | 6     |
- MP 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 299 or above  | 6     |
BACHELOR OF SCIENCE IN NURSING DEGREE

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

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

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

NURSING

59 Hour Major - No Minor Required

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

Required Courses (BSN):

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

Required Support Courses:

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

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

Required Nursing Courses (RN-BSN):

NS 380 Holistic Assessment & Diagnosis (4)
NS 385 Research in Professional Practice (2)
NS 386 Prof Practice: Community Health Nrsng (6)
NS 390 Framework for Professional Nusing (4)
NS 480 Prof Practice: Leadership & Mgmt (6)
NS 483 Prof Practice: Care of the Frail Elderly (2)

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

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

The following statements pertain to all associate degrees:

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

Additionally, the following statements pertain to all associate of arts degrees:

- A minimum of 64 hours of degree credit (courses numbered 100-599) is required for graduation.
- The University Studies Program, consisting of at least 21 hours, is required.

ASSOCIATE OF ARTS IN CHILD CARE AND GUIDANCE

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

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 Adolesc (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)

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 106 Physical Concepts (3)*
PH 120 Introductory Physics I (5)*
OR
PH 121 Introductory Physics II (5)*
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.
Associate Degrees / Pre-Professional Programs

Southeast Missouri State University 2014-15

Choose One 33 Hour Option:
AUTOMATED MANUFACTURING
ET 160  Basic Electricity & Electronics (3)
ET 304  Intro to PLCs (3)
IM 311  Statistical Process Control (3)
MN 120  Fund of Engr Design Processes (3)
MN 170  Industrial Materials & Testing (3)
MN 203  Industrial Materials & Processes I (3)
MN 221  Solid Modeling & Rapid Prototyping (3)
MN 304  Industrial Materials & Processes II (3)
MN 324  Mechanical Design Processes (3)
MN 356  Robotics (3)
MN 412  Advanced Manufacturing System (3)

MICROCOMPUTER SYSTEMS
ET 160  Basic Electricity & Electronics (3)
ET 245  Logic Circuits (3)
IM 317  Industrial Internship (3)
CY 201  Intro to Cybersecurity (3)
TN 254  Fiber Optics & Network Comm (3)
TN 255  Microcomputer Maint & Troubleshooting (3)
TN 275  Network Fundamentals (3)
TN 375  Network Routing Protocols & Concepts (3)
TN 395  Server Maint & Troubleshooting (3)
TN 425  Wireless Comm & Mobile Data Networks (3)
TN 435  Network Security (3)
TN 563  LAN Switching (3)

TECHNICAL COMPUTER GRAPHICS
GM 180  Intro to Technical Graphics (3)
GM 200  Vector & Bitmapped Graphics for Industry (3)
GM 282  Vector Graphics (3)
GM 320  Graphic User Interface Design (3)
GM 380  3D Modeling & Animation Prod (3)
GM 385  HDSLR 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 254  Fiber Optics & Network Comm (3)

PRE-PROFESSIONAL PROGRAMS

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

Pre-Architecture Curriculum

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

Pre-Chiropractic Curriculum

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

Southeast Missouri State University has entered into an agreement with Logan College of Chiropractic. It is a 3+3 program in which a student completes three years of coursework at Southeast, and then begins coursework at Logan. After the first year at Logan a bachelor's degree is awarded by Southeast and upon completion of the three years at Logan a Doctor of Chiropractic Medicine is awarded.
Pre-Dental Curriculum

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

Pre-Engineering Curriculum

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

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

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

Pre-Law Curriculum

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

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

Pre-Medical Curriculum

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

It is possible to gain preparation for optometry school while pursuing any academic major in the university. The Biology: Biomedical Sciences option is designed specifically for students in the pre-health professions. However, students in other majors may choose pre-optometry as a second major, with the understanding this does not lead to a 4 year degree. The pre-optometry curriculum contains a preponderance of biology and chemistry coursework required by medical schools and preparation for the OAT. Students should see the pre-optometry advisor during their first semester at Southeast. There are only 17 optometry schools in United States and the entrance requirements are quite similar, however there are slight variations. Planning for the variety of requirements is done in consultation with the pre-optometry advisor in the Department of Biology.

Pre-Pharmacy Curriculum

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

Pre-Physical Therapy Curriculum

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

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

Pre-Veterinary Curriculum

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

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

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