Minors/Certificates
Minors

Departments may require a minor for majors under the Bachelor of Arts, Bachelor of Science, & Bachelor of Science in Education (Secondary). The areas in which minors are offered are:

Accounting
Administrative Systems Management
Aerospace Studies
Agriculture
Anthropology
Archaeology
Architectural Design
Art
Art History
Art/3-D Studio
Botany
Business Administration
Business Communication
Chemistry
Child Life Services
Child Studies
Coaching
Communication Disorders
Communication for Legal Professionals
Computer Networking
Computer Science
Criminal Justice
Criminology
Dance
Economics
Electronic Technology
Engineering Physics
Entrepreneurship/Small Business Management
Environmental Science
Environmental Studies
Family Economics & Management
Family Studies
Fashion Merchandising
Finance
Fitness & Exercise Science
Food Service & Hospitality Management
French
Geography
Geosciences
German
Gerontology
Graphic Communications Technology
Health Promotion
Historic Preservation
History
Horticulture
Human Resource Management
Industrial Management
Industrial Relations
Information Systems
Interior Design
International Studies
Interpersonal & Small Group Communication
Literature
Logistics Management
Management
Marketing: Marketing Management
Marketing: Integrated Marketing Communications
Marketing: Retail Management
Marketing: Sales Management
Mass Communication
Mathematics
Microbiology
Music
Nutrition
Operations Management
Outdoor Adventure Leadership
Pedology/Soil Science
Philosophy
Physics
Political Science
Psychology: Applied
Psychology: Developmental
Psychology: General
Psychology: Psychological Services
Public Administration
Public Communication
Recreation
Religion
Small Press Publishing
Social Rehabilitation & Treatment
Social Work
Sociology
Soils
Spanish
Sport Management
Technical Theatre
TESOL
Theatre Arts
Theatre Performance
Women's Studies
Writing
Zoology
ACCOUNTING
15 Hours Required
Required Courses:
AC 221  Princ of Financial Accounting (3)
AC 222  Princ of Managerial Accounting (3)
AC 321  Intermediate Accounting I (3)
Choose 6 Hours AC courses (300-500 level)

ADMINISTRATIVE SYSTEMS MANAGEMENT
18 Hours Required
Required Courses:
AD 101  Intro to Micro Applications (3)
AD 222  Micro Appl for Business (3)
AD 353  Administrative Systems Management (3)
MG 301  Management & Organiz Behav (3)
MG 252  Business Communication (3)
Choose 3 Hours From:
AD 323  Admin Information Systems (3)
AD 331  Advanced Word Processing (3)
AD 341  Information Systems Procedures (3)
MG 356  Human Resources Mgt I (3)

AEROSPACE STUDIES
16 Hours Required
Required Courses:
AS 100  Foundation of USAF I (1)
AS 101  Foundation of USAF II (1)
AS 200  USAF Air & Space Power I(1)
AS 201  USAF Air & Space Power II (1)
AS 300  AF Leadership Studies I (3)
AS 301  AF Leadership Studies II (3)
AS 400  National Security Affairs (3)
AS 401  Preparation for Active Duty (3)

NOTE: AS 203 AFROTC Field Training (4) may be completed in lieu of AS 100, AS 101, AS 200, & AS 201

ANTHROPOLOGY
18 Hours Required
Required Courses:
AN 181  Intro Cultural Anthropology (3)
AN 241  Intro Linguistic Anthropology (3)
AN 317  Ethnographic Field Methods (3)
Choose 9 Hours From:
AN 101  Observing Other Cultures (3)
AN 180  Intro/Phys Anthro & Archaeology (3)
AN 260  World Cultures (3)
AN 280  Economic Anthropology (3)
AN 360  Meso-American Civilizations (3)
AN 383  Cultures of the Third World (3)
AN 493  General Anthropology Theory (3)
SO 345  Methods of Social Research (3)

ARCHAEOLOGY
18 Hours Required
Required Courses:
AN 180  Intro/Phys Anthro & Archaeology (3)
AN 382  Archaeology: Method & Theory (3)
AN 313  Archaeological Fieldwork (3)
OR
AN 551  Historic Archaeology Fieldwork
Choose 9 Hours From:
AN 181  Intro Cultural Anthropology (3)
AN 250  World Archaeology (3)
AN 319  Archaeological Laboratory (3)
AN 321  Midwestern Archaeology (3)
AN 360  Meso-American Civilizations (3)
AN 381  North American Archaeology (3)
AN 493  General Anthropology Theory (3)

AGRICULTURE
15 Hours Required
Required Courses:
AO 120  Plant Science (4)
AY 101  Animal Science (5)
Choose 6 Hours AG, AO, AY, HO courses (300-400 level)
ARCHITECTURAL DESIGN
15 Hours Required
Required Courses:
- TG 100 Intro to Drafting (3)
- TG 126 Computer Assisted Drafting (3)
- TG 320 Architectural Drawing I (3)
Choose 6 Hours From:
- UI 401 American Cultural Landscapes (3)
- HO 330 Landscape Planting Design (3)
- HO 530 Home Horticulture (2)
- TG 274 Photography Fundamentals (3)
- TG 322 Architectural Drawing II (3)

ART
19-21 Hours Required
(6 Hours must be 300-500 level)
Required Courses:
- AR 100 Drawing I (3)
- AR 104 Design Foundations (3)
  OR
- AR 109 Practical Design & Color (3)
- AR 201 Color Composition (3)
- AH 210 Art History Survey II (3)
  OR
- AR 112 Perspectives in Art (3)
Choose 3 Hours From:
- AR 108 Drawing in Society (3)
- AR 111 Ceramics: A Metaphor (3)
- AR 202 Drawing II: Human Figure (3)
- AR 208 Intro to Graphic Design (3)
- AR 320 Watercolor I (3)
- AR 325 Painting (3)
- AR 330 Fibers I (3)
- AR 332 Sculpture I (3)
- AR 342 Ceramics I (3)
Choose 6 Hours From: (related courses are encouraged)
- AR 314 Drawing III: Adv Problems (3)
- AR 302 Printmaking (3)

ART/3-D STUDIO
15 Hours Required
Required Courses:
- AR 104 Design Foundations (3)
- AR 201 Color Composition (3)
Choose 9 Hours From:
- AR 330 Fibers I (3)
- AR 332 Sculpture I (3)
- AR 431 Sculpture II (3)
- AR 441 Ceramics II (3)
- AR 530 Fibers II (3)
- AR 541 Ceramics III (3)

ART HISTORY
21 Hours Required
Required Courses:
- AH 110 Art History Survey I (3)
- AH 210 Art History Survey II (3)
Choose 15 Hours From:
- AH 100 Ancient Egypt (3)
- AH 310 Classical Art (3)
- AH 311 Modern Art (3)
- AH 312 Renaissance Art (3)
- AH 400 Seminar: Readings in Art (3)
- AH4xx/UI4xx Female Saints (3)
Minors
Southeast Missouri State University 2003-04

15-16 Hours Required
Required Courses:

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>BI 190</td>
<td>Life Processes (4)</td>
</tr>
<tr>
<td>BI 225</td>
<td>Research Methods in Biology (3)</td>
</tr>
<tr>
<td>BO 200</td>
<td>Plant Biology (3)</td>
</tr>
</tbody>
</table>

Choose 5-6 Hours From:

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
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</thead>
<tbody>
<tr>
<td>BO 361</td>
<td>Systematic Botany (3)</td>
</tr>
<tr>
<td>BO 445</td>
<td>Plant Physiology (3)</td>
</tr>
<tr>
<td>BO 461</td>
<td>Native Aquatic Plants (3)</td>
</tr>
<tr>
<td>BO 469</td>
<td>Field Botany (2)</td>
</tr>
</tbody>
</table>

BUSINESS ADMINISTRATION
30 hours required*
(For non-Business majors only)

Required Courses:

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>AC 221</td>
<td>Principles of Financial Accounting (3)</td>
</tr>
<tr>
<td>AC 222</td>
<td>Principles of Managerial Accounting (3)</td>
</tr>
<tr>
<td>AD 101</td>
<td>Intro/Microcomputer Applic (3)</td>
</tr>
<tr>
<td>EC 225</td>
<td>Principles of Macroeconomics (3)</td>
</tr>
<tr>
<td>FI 361</td>
<td>Financial Management (3)</td>
</tr>
<tr>
<td>MA 139</td>
<td>Applied Calculus (3)</td>
</tr>
<tr>
<td>MG 301</td>
<td>Mgt &amp; Organiz Behav (3)</td>
</tr>
<tr>
<td>MI 375</td>
<td>Management Info Systems (3)</td>
</tr>
<tr>
<td>MK 301</td>
<td>Principles of Marketing (3)</td>
</tr>
<tr>
<td>QM 257</td>
<td>Business Statistics (3)</td>
</tr>
</tbody>
</table>

Prerequisites:

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>EC 215</td>
<td>Principles of Microeconomics (3)</td>
</tr>
<tr>
<td>MA 134</td>
<td>College Algebra (3)</td>
</tr>
</tbody>
</table>

*All courses require minimum grade of ‘C’.

BUSINESS COMMUNICATION
18 Hours Required

Required Courses:

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>SC 320</td>
<td>Group Discussion &amp; Decision-Making (3)</td>
</tr>
<tr>
<td>SC 335</td>
<td>Interviewing (3)</td>
</tr>
<tr>
<td>SC 560</td>
<td>Organizational Communication (3)</td>
</tr>
<tr>
<td>UI 301</td>
<td>Mngrial Communc Processes (3)</td>
</tr>
</tbody>
</table>

Choose 6 Hours From:

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>SC 155</td>
<td>Fund of Interpers Communic (3)</td>
</tr>
<tr>
<td>SC 200</td>
<td>Advanced Public Speaking (3)</td>
</tr>
<tr>
<td>SC 305</td>
<td>Theories of Communication (3)</td>
</tr>
<tr>
<td>SC 310</td>
<td>Speech Writing (3)</td>
</tr>
<tr>
<td>SC 314</td>
<td>Argumentation &amp; Problem Solving (3)</td>
</tr>
<tr>
<td>SC 510</td>
<td>Group Dynamics (3)</td>
</tr>
<tr>
<td>SC 590</td>
<td>Communication &amp; Attitudes (3)</td>
</tr>
<tr>
<td>SC 215</td>
<td>Intercultural Communication (3)</td>
</tr>
<tr>
<td>UI 425</td>
<td>Persuasion (3)</td>
</tr>
</tbody>
</table>

CHEMISTRY
19 Hours Required

Required Courses:

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>CH 185</td>
<td>General Chemistry I (5)</td>
</tr>
<tr>
<td>CH 186</td>
<td>General Chemistry II (3)</td>
</tr>
<tr>
<td>CH 187</td>
<td>Qualitative Analysis (2)</td>
</tr>
<tr>
<td>CH 271</td>
<td>Quantitative Analysis (4)</td>
</tr>
<tr>
<td>CH 341</td>
<td>Organic Chemistry I (4)</td>
</tr>
<tr>
<td>CH 342</td>
<td>Organic Chemistry Lab I (1)</td>
</tr>
</tbody>
</table>

CHILD LIFE SERVICES
21 Hours Required

Required Courses:

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>CF 509</td>
<td>Child Life Services (3)</td>
</tr>
<tr>
<td>CF 560</td>
<td>Child Life Services Practicum (6)</td>
</tr>
<tr>
<td>DA 340</td>
<td>Movement Therapies (3)</td>
</tr>
<tr>
<td>HL 120</td>
<td>Health Perspectives (3)</td>
</tr>
<tr>
<td>RC 112</td>
<td>Music as Therapy (3)</td>
</tr>
<tr>
<td>RC 260</td>
<td>Intro to Therapeutic Rec (3)</td>
</tr>
</tbody>
</table>

Choose One 6 Hour Option
OPTION I (For Psych/other majors)
CF 290    Preschool Participation (2)
CF 291    Preschool Participation Lab (1)
CF 409    School Age Child Care (3)
EX 200    Intro to Exceptional Child (3)

OPTION II (For Child Devel/other majors)
PY 222    Development of Adolescent (3)
PY 250    Applied Psychology (3)
PY 444    Childhood Psychopathology (3)
PY 529    Psychology of Death & Dying (3)
PY 555    Health Psychology (3)

NOTE: Child Life Services minors MUST have an advisor in the Department of Human Environmental Studies. Application for practicum must be filed with advisor at least one semester in advance.

CHILD STUDIES
18 Hours Required
Required Courses:
CF 120    The Child (3)
CF 200    Guiding Altern/Young Children (3)
CF 290    Supervised Participation I (2)
CF 291    Supervised Participation Lab (1)
Choose 3 Hours From:
CF 211    Field Exp/Early Chldhd Prgms (3)
CF 300    Working with Parents (3)
CF 301    Working with Parents Lab (1)
CF 316    Prenatal/Infant Growth & Stim (3)
CF 317    Prenat/Infant Growth & Stim Lab (1)
Choose 6 Hours From:
CF 126    Facil Devel in Young Children (3)
CF 312    Org/Mgt of Child Care Centers (3)
CF 430    Parent/Child Interaction (3)
CF 501    Preschool Child Practicum (3)
CF 502    Preschool Children/Comp Tech (3)
CF 506    Theories/ Issues in Child Devel (3)
FN 425    Health/Nutr/Safety of Yng Child (3)

COACHING
21 Hours Required
Required Courses:
CG 470    Practicum in Coaching (3)
PE 220    First Aid (2)
PE 235    Psych/Coaching & Hum Perfmrn (3)
PE 341    Physiology of Conditioning (3)
PE 460    Sports Administration I (3)
SM 540    Leg Aspects/Sport & Phys Activ- ity (3)
Choose 4-5 Hours From:
CG 205    Coaching of Baseball (2)
CG 210    Coaching of Basketball (2)
CG 215    Coaching of Football (2)
CG 220    Coaching of Softball/Volleyball (3)
CG 225    Coaching of Track & Field (2)
CG 235    Coaching of Soccer (2)

COMMUNICATION DISORDERS
18 Hours Required
CD 225    Phonetics (4)
CD 230    Intro to Comm Disorders (4)
CD 340    Normal Spch & Lang Develop (3)
CD 406    Diagnostic & Clin Meth in SLP (4)
Choose 3 Hours from:
CD 371    Anatomy & Phys of Hearing Mech (3)
CD 410    Spch Disorders I: Phonology/Artic (3)
CD 426    Hrng Disorders: Audio Assess- ment (3)

COMMUNICATION FOR LEGAL PRO- FESSIONALS
20-21 Hours Required
Required Courses:
SC 105    Fund of Oral Communication (3)
SC 314    Argumentation & Problem Solving (3)
Minors

Southeast Missouri State University 2003-04

Choose 8-9 Hours From:
- COMPUTER NETWORKING
  15 Hours Required
  - SC 160/161  Intercollegiate Debate (2)
  - SC 200  Advanced Public Speaking (3)
  - SC240/TH140  Oral Interpretation (3)
  - SC 310  Speech Writing (3)
  - SC 400  Advanced Debate (3)
  - TH 101  Acting for Non-Majors (3)

COMPUTER SCIENCE
  15 Hours Required
  Required Courses:
  - CS 155  Computer Science I (5)
  - CS 265  Computer Science II (5)
  Choose 5 Hours CS courses (300-500 level)
  Additional Requirement:
  - MA 134  College Algebra (3)

CRIMINAL JUSTICE
  15 Hours Required
  15 hours in criminal justice, including 6 hours at the 300-500 level.

CRIMINOLOGY
  21 Hours Required
  Required Courses:
  - SO 205  Social Problems in America (3)
  - SO 240  Interpretation of Data (3)
  - xx xxx  Any statistics course (3)
  - SO 360  Criminology (3)
  - SO 375  Collective Behavior (3)

Choose 3 Hours From Each of the Following Categories:
- Deviance & the Individual
  - BL 255  Legal Environment of Business (3)
  - CJ 220  Criminal Law (3)
  - PS 390  The American Judicial System (3)
  - PS 490  Constitutional Law (3)
  - PY 359  Psychology & the Law (3)
- Social Problems & Applied Criminology
  - BL 255  Social Problems in America (3)
  - CJ 220  Criminal Law (3)
  - MA 134  College Algebra (3)

DANCE
  24 Hours Required
  Required Courses:
  - DA/TH 105  Rehearsal & Production (1)
  - DA 185  Movement Analysis (3)
  - DA 285  Choreography I (3)
  - DA/TH 305  Rehearsal & Production (1)
  - DA 385  Movement Improvisation (2)
  - DA 490  Dance History (3)
  - TH 155  Makeup (2)
  - TH 251  Costume Construction (3)

Choose 6 Hours From:
- AT 112  Tai Chi (1)
- DA 110  Ballet I (1)
- DA 120  Modern Dance I (1)
- DA 125  Jazz Dance I (1)
- DA 130  Ballroom Dance (1)
- DA 135  Tap Dance I (1)
- DA 140  Body-Mind Conditioning I (1)
- DA 145  Line Dance (1)
- DA 155  Capoeira I (2)
### Minors

**Southeast Missouri State University 2003-04**

<table>
<thead>
<tr>
<th>Minor</th>
<th>Hours Required</th>
<th>Required Courses</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>ECONOMICS</strong></td>
<td>15</td>
<td>Required Courses:</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Choose 3 Hours From:</td>
</tr>
<tr>
<td></td>
<td></td>
<td>EC 215 Principles of Microeconomics (3)</td>
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<tr>
<td></td>
<td></td>
<td>EC 225 Principles of Macroeconomics (3)</td>
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<tr>
<td></td>
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<td>Choose 6 Hours From:</td>
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<tr>
<td></td>
<td></td>
<td>EC xxx Any EC course (300-500 level) (3)</td>
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<tr>
<td></td>
<td></td>
<td>UI 322 International Political Economy (3)</td>
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<tr>
<td></td>
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<td>UI 349 Comparative Economic Systems (3)</td>
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<td>UI 366 Law &amp; Economics (3)</td>
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<tr>
<td></td>
<td></td>
<td>UI 371 Government &amp; Business (3)</td>
</tr>
</tbody>
</table>

| **ELECTRONICS TECHNOLOGY**                 | 18             | Required Courses:                                                                |
|                                            |                | Choose 6 Hours From One Option:                                                  |
|                                            |                | ET 162 DC/AC Principles & Circuits I (3)                                        |
|                                            |                | ET 164 DC/AC Principles & Circuits II (3)                                       |
|                                            |                | ET 260 Electronic Circuit Des/Analysis I (3)                                    |
|                                            |                | ET 262 Electr Circuit Des/Analysis II (3)                                       |

| **OPTION I**                               |                | ET 364 Logic Circuits (3)                                                       |
|                                            |                | OR                                                                               |
|                                            |                | EP 305 Digital & Analog System Design (3)                                       |
|                                            |                | ET 366 Microcontrollers (3)                                                     |
|                                            |                | ET 368 Advanced Digital (3)                                                     |

| **OPTION II**                              |                | ET 194 Intro to PLC’s (3)                                                       |
|                                            |                | ET 365 Industrial Electrical Power (3)                                           |
|                                            |                | ET 468 Industrial Controls (3)                                                   |

| **ENGINEERING PHYSICS**                    | 19             | Required Courses:                                                                |
|                                            |                | Choose 9 Hours EP or PH electives, including                                      |
|                                            |                | UI 330 (Except those courses indicated in the BULLETIN that do not apply on a minor) |
|                                            |                | PH 230 General Physics I (5)                                                     |
|                                            |                | PH 231 General Physics II (5)                                                    |

| **ENTREPRENEURSHIP/ SMALL BUSINESS MANAGEMENT** | 15   | Required Courses: |
|                                               |      | Choose 3 Hours Bus Elective (300-500 level)  |
|                                               |      | (See advisor for list of approved courses)  |
|                                               |      | Additional Requirement: |
|                                               |      | Completion of Business Core (37 Hours) |

| **ENVIRONMENTAL SCIENCE**                   | 20-22 | Required Courses: |
|                                            |      | Additional Requirement: |
|                                            |      | (For non-science majors; 6 hours must be at 300-400 level) |
Minors
Southeast Missouri State University 2003-04

Required Courses:

BS 105 Environmental Biology (3)
CH 180 Chemistry in Our World (3)
CH 181 Basic Principles of Chemistry (5)
GO 110 Physical Geology (3)
UI 429 Environmental Ethics (3)

Choose 6 Hours From:

AO 120 Plant Science (4)
AO 215 Soils (3)
BS 108 Biology for Living (3)
CH 234 Organic & Biological Chemistry (3)
GO 305 Environmental Geoscience (3)
GO/EV 365 Environmental Soil Science (4)

Choose 3 Hours From:

AG 201 World Food & Society (3)
UI 319 Science, Technology & Society (3)
UI 347 Living in a Global Society (3)
UI 360 Recycling & Waste Management (3)
UI 387 Environmental Law & Public Policy (3)

ENVIRONMENTAL STUDIES
21 Hours Required
(For science majors; 6 hours must be at 300-400 level)

Required Courses:

BS 105 Environmental Biology (3)
GO 110 Physical Geology (3)
UI 387 Environmental Law & Public Policy (3)
UI 429 Environmental Ethics (3)

Choose 3 Hours From:

CS 180 Scientific Computing (3)
EN 301 Writing for Science & Technology (3)
GO 305 Environmental Geoscience (3)
GO 460 Environmental Hydrology (3)
MA 223 Elementary Probability & Stats (3)
UI 319 Science, Technology & Society (3)
UI 360 Recycling & Waste Management (3)

Choose 3 Hours From:

EN 190 Writing about the Environment (3)
PL 245 Social Philosophy (3)
PS 280 Intro to Global Issues (3)
SO 430 Demography (3)
UI 339 North American Indians (3)
UI 347 Living in a Global Society (3)
UI 372 Earthquakes & Society (3)

Choose 3 Hours From:

AG 201 World Food & Society (3)
AG 433 Agricultural & Food Policy (3)
BL 255 Legal Environment of Business (3)
EC 101 Economic Problems & Policy (3)
EC 215 Princ of Macroeconomics (3)
PS 230 American Public Policy (3)
PS 418 Public Policy Analysis (3)

FAMILY ECONOMICS AND MANAGEMENT
15 Hours Required

Required Courses:

CF 512 Utiliz Fam/Community Resrces (3)
FE 303 Mgt of Family Resources (3)
FE 514 Family Financial Management (3)
UI 355 Consumer & the Market (3)

Choose a Minimum of 3 Hours From:

FE 313 Management Practicum (2)
HE317/318/319 Field Experience (1-3)

FAMILY STUDIES
15 Hours Required

Required Courses:

CF 512 Utiliz Fam/Community Resrces (3)
PY 325 Psych Devel of the Family (3)
SO 370 Family (3)
Choose 3 Hours from each of the Following Categories:

**Childhood**
- CF 120: The Child: Development/Concept/Adolescence (3)
- CF 316: Prenatal/Infant Growth & Stim (3)
- PY 222: Development of the Adolescent (3)
- SO 206: Social Problems of Childhood (3)

**Maturity & Aging**
- CF 207: Eldercare Experiences (3)
- HL 510: Health Concerns of the Aging (3)
- PY 525: Maturity & Aging (3)
- SO 330: The Sociology of Aging (3)

**Interpersonal Relations & Family Issues**
- AN 181: Intro to Cultural Anthropology (3)
- CF 300: Working with Parents (3)
- CF 402: Marriage Interaction (3)
- FE 303: Mgt of Family Resources (3)
- SO 305: American Minority Relations (3)
- SW 320: Working with Children/Fam (3)

**FASHION MERCHANDISING**
18 Hours Required

**Required Courses:**
- CT 110: Intro to Fashion Merchandising (3)
- CT 207: Textiles (3)
- CT 230: Apparel Analysis (3)
- CT 350: Apparel Aesthetics (3)

**Choose 6 Hours From:**
- CT 300: Prof Image & Behavior (2)
- CT 415: Fashion Retailing (3)
- CT 420: Specialty Market (3)
- CT 450: Issues/Trends in Fash Merch (3)
- CT 517: History of Costume (3)
- CT 518: Soc Psych Aspects of Clothing (3)
- HI 214: Display Design (3)

**FINANCE**
15 Hours Required

**Required Courses:**
- FI 361: Financial Management (3)
- FI 364: Modern Financial Institution (3)
- FI 368: Investments (3)

**Choose 6 Hours FI courses (300-500 level)**
- OR
- AC 375: Financial Statement Analysis (3)

**FITNESS AND EXERCISE SCIENCE**
22 Hours Required

**Required Courses:**
- HL 120: Health Perspectives (3)
- HL 261: Exercise Science Practicum (3)
- HL 331: Exercise Physiology (3)
- HL 431: Fitness Assessment & Exercise Prog (4)
- HL 460: Exercise Leadership (3)

**Choose 6 Hours HL courses (300-500 level)**

**Additional Requirements: 12-14 Hours**
- BS 113/013: Anatomy & Phys I (3)
- BS 114/014: Anatomy & Phys II (3)
- CH 180: Chem in Our World (3)
- OR
- CH 181: Basic Princ of Chem (5)
- MA 134: College Algebra (3)

**FOODSERVICE AND HOSPITALITY MANAGEMENT**
17 Hours Required

**Required Courses:**
- FN 150: Persp on Foodserv/Hosp Mgt (1)
- FN 205: Selection & Preparation of Food (3)
- FN 260: Sanitation/Foodserv & Hosp Ind (3)
- FN 320: Advanced Food Preparation (4)
- FN 416: Quantity Food Production (3)

**Choose 3 Hours From:**
- FN 235: Nutrition for Health (3)
- FN 406: Hospitality & Institution Admin (3)
FRENCH
18 Hours Required
Required Courses:
- 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)
Choose 6 Hours FR courses (300-500 level)

GEOGRAPHY
15 Hours Required
- GG 140 The Physical Landscape (3)
- GG 150 Peoples & Places of the World (3)
- GG 180 Cultural Geography (3)
- UI 307 Economic Geography (3)
- UI 401 Amer Cultural Landscapes (3)

GEOSCIENCE
18 Hours Required
Required Courses:
- GO 110 Physical Geology (3)
- GO 225 Rocks & Minerals (3)
- UI 373 Earth/Life Thru Time (3)
Choose 9 Hours From: (At least 3 Hours must be 400-level)
- GO 310 Field Methods (2)
- GO 315 Paleontology (3)
- GO 320 Oceanography (3)
- GO 335 Sedimentology & Stratigraphy (4)
- GO 340 Remote Sensing (3)
- GO 345 Mineralogy & Petrology (4)
- GO 350 Geology Field Camp (4)
- GO 360 Structural Geology (3)
- GO 4xx Any 400-level GO course

GERMAN
18 Hours Required
- 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)
Choose 6 Hours GN courses (300-400 level)

GERONTOLOGY
21 Hours Required
Required Courses:
- BS 327 Biology of Aging (3)
- CF 206 Intro to Gerontology (3)
- CF 518 Gerontology Practicum (3)
- SO 330 Sociology of Aging (3)
Choose 9 Hours From:
- CD 560 Communic Disord of the Aged (3)
- CF 207 Eldercare Experience (3)
- CF 512 Utiliz Fam/Community Resrces (3)
- FN 520 Nutrition in the Later Years (3)
- HI 518 Envir Des for Spec Populations (3)
- HL 306 Aging & Exercise (3)
- HL 510 Health Concerns of Aging (3)
- PY 525 Maturity & Aging (3)
- PY 529 The Psych of Death & Dying (3)

GRAPHIC COMMUNICATIONS TECHNOLOGY
21 Hours Required
Required Courses:
- IM 102 Technical Communication (3)
- TG 120 Computer Aided Eng.Graphics (3)
- TG 170 Intro to Graphics (3)
- TG 274 Photography Fundamentals (3)
Choose 9 Hours From One Option:
OPTION I
- TG 272 Electronic Publishing (3)
- TG 374 Digital Imaging & Editing (3)
- TG 376 Multimedia & Animation (3)
OPTION II

TG 220    Solid Modeling & Rapid Prototype (3)
TG 320    Architectural Drawing I (3)
TG 322    Architectural Drawing II (3)

OPTION III

TG 220    Solid Modeling & Rapid Prototype (3)
TG 324    Design Modeling & Processes (3)
TG 326    Industrial Production Drafting (3)

HEALTH PROMOTION
21 Hours Required

Required Courses:

HL 111    Intro to Health Management (3)
HL 120    Health Perspectives (3)
HL 260    Health Promotion Practicum (3)
HL 332    Lifestyle Disease Risk Reduction (3)
UI 354    Lifestyle Enhancement (3)

Choose 6 Hours From:

FN 235    Nutrition for Health (3)
HL 312    Contemporary Drug Use (3)
HL 331    Exercise Physiology (3)

Prerequisites to Courses Listed:

BS 113/013   Anatomy & Phys I (3)
BS 114/014   Anatomy & Phys II (3)
CH 180    Chem in Our World (3)
OR
CH 181    Basic Princ of Chem (5)
MA 134    College Algebra (3)

HISTORIC PRESERVATION
21 Hours Required

Required Courses:

HP 100    Intro to Historic Preservation (3)
HP 200    Intro to Tech of Local History (3)
HP 585    History of Amer Architecture (3)
US 105    American History I (3)
US 107    American History II (3)

Choose 6 Hours From:

(3 Hours must be 300-500 level)

AH 511    History of American Art (3)
HP 405    Archives & Spec Collec Studies (3)
HP 410    Museum Studies (3)
HP 420    Historic Site Admin (3)
HP 450    Problems in Hist Pres (3)
HP 588    Leg/Econ Princ of Historic Pres (3)
UI 313    African American Experience (3)
US 210    Women in American History (3)
US 220    American Folklore (3)
US 525    American Urban History (3)

HISTORY
21 Hours Required

Required Course:

GH 315    Historiography (3)

Choose 9 Senior Level Hours From:

EH 300-599    (3)
US 300-599    (3)
WH 300-599    (3)

Choose 3 Additional Senior Level Hours
From: EH, GH, US OR WH 300-599 prefix courses (3)

Choose an additional 6 Hours of EH, GH, US, WH prefix courses – any level

HORTICULTURE
15 Hours Required

Required Courses:

AO 430    Landscape & Turf Management (4)
HO 130    Ornamental Plants I (2)
HO 231    Plant Propagation (3)

Choose a minimum of 6 Hours From:

AO 341    Vegetable Production (3)
HO 330    Landscape Planting Design (3)
HO 342    Fruit Production (3)
HO 350    Greenhouse Management (4)
HO 353    Bedding Plant Production (3)
HO 355    Interior Plantscaping (3)
Minors

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Prerequisite to Courses Listed:
AO 120  Plant Science (4)

HUMAN RESOURCE MANAGEMENT
18 Hours Required
Required Courses:
MG 301  Management & Organiz Behav (3)
MG 356  Human Resource Management I (3)
MG 446  Human Resource Management II (3)
MG 456  Topics in Human Resource Mgt (3)

Choose 6 Hours From:
MG 362  Management Systems I (3)
MG 421  Total Quality Management (3)
MG 457  Issues in Organizational Behav (3)
MG 470  Leadership in Management (3)
MG 550  Improving Team Performance (3)
MI 410  Business Database Systems (3)

Choose 6 Hours From Courses Listed Above and/or From:
MG 453  Compensation Management (3)
MG 454  Industrial Relations (3)
PY 358  Social Psychology (3)
PY 553  Perspectives in Stress (3)
SO 325  The World of Work (3)

Prerequisites:
EC 215  Principles of Microeconomics (3)
EC 225  Principles of Macroeconomics (3)
MG 301  Management & Organiz Behav (3)

INFORMATION SYSTEMS
15 Hours Required
Required Courses:
IS 175  Information Systems I (3)
IS 275  Information Systems II (3)

Choose At Least 9 Hours From
(6 must be at 300-400 level courses):
AC 330  Accounting Information Systems (3)
CS 120  Intro to Computer Science (3)
CS 155  Computer Science I (5)
IS 130  Visual Basic Programming I (3)
IS 330  Visual Basic Programming II (3)
IS 445  Application Systems Analysis and Design (3)
IS 465  Management Support Systems (3)

INDUSTRIAL MANAGEMENT
15 Hours Required
Required Courses:
IM 102  Technical Communication (3)
IM 311  Statistical Process Control (3)
IM 419  Industrial Supervision (3)

Choose 6 Hours From:
IM 313  Facilities Planning (3)
IM 315  Work Measurement (3)
IM 411  Total Quality Assurance (3)
IM 417  Manuf Resource Analysis (3)

INDUSTRIAL RELATIONS
18 Hours Required
Required Courses:
EC 380  Labor Economics (3)
EC 385  Collective Bargaining (3)
MG 356  Human Resources Mgt I (3)

OR
PY 251  Indus & Org Psychology (3)
PY 450  Organizations as Open Systems (3)
US 528  U.S. Economic History (3)
US 529  History of American Labor (3)

Choose 6 Hours From Courses Listed Above and/or From:
EC 385  Collective Bargaining (3)
MG 453  Compensation Management (3)
MG 454  Industrial Relations (3)
PY 358  Social Psychology (3)
PY 553  Perspectives in Stress (3)
SO 325  The World of Work (3)

Prerequisites:
EC 215  Principles of Microeconomics (3)
EC 225  Principles of Macroeconomics (3)
MG 301  Management & Organiz Behav (3)

INTERIOR DESIGN
18 Hours Required
Required Courses:
HI 104  Housing & Interior Design I (3)
HI 224  Design Illustration (3)
HI 230  Residential Interior Design I (3)
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INTERNATIONAL STUDIES
21 Hours Required
Intermediate foreign language competency required Significant exposure to another culture (3)
Choose 9 Hours From the Following:
- AN 101 Observing Other Cultures (3)
- GG 150 People & Places of the World (3)
- PS 104 Comparative Political Systems (3)
- RS 101 World Religions (3)
- SC 215 Intercultural Communication (3)

Choose 3 Hours From:
- HI 430 Residential Interior Design II (3)
- HI 532 History of Furniture II (3)

Choose 6 Hours From an Approved List (See Liberal Arts Advising Center for Approved List of Electives)

INTERPERSONAL AND SMALL GROUP COMMUNICATION
18 Hours Required

Required Courses:
- SC 155 Fund of Interpers Communic (3)
- SC 305 Theories of Communication (3)
- SC 320 Group Discussion & Decision-Making (3)
- UI 345 Nonverbal Communication (3)

Choose 6 Hours From:
- SC 215 Intercultural Communication (3)
- SC 335 Interviewing (3)
- SC 355 Relational Comm Strategies (3)
- SC 365 Communication Betw the Sexes (3)
- SC 510 Group Dynamics (3)
- SC 560 Organizational Communication (3)
- SC 590 Comm/Attitudes: Thry/Resrch (3)
- UI 425 Persuasion (3)

LITERATURE
15 Hours Required
Required Courses:
- LI 2xx Any Lit Expr course/LI prefix (3)
- LI 260 English Literature I (3)
  OR
- LI 261 English Literature II (3)
  OR
- LI 270 American Literature I (3)
  OR
- LI 271 American Literature II (3)

Choose 6 Hours EN 435, LI courses (300-500 level), UI 332, UI 341, UI 431, UI 432, or UI 435 which represent more than one genre (i.e., not 2 novels courses)

LOGISTICS MANAGEMENT
15 Hours Required
Required Courses:
- MK 346 Distribution Management (3)
- MK 347 Transportation (3)
- MG 451 Materials & Supply Management (3)
- MG 452 Production Resource Management (3)
- MG 478 Global Logistics (3)
### MANAGEMENT

**18 Hours Required**  
**Required Courses:**
- MG 301 Management & Organiz Behav (3)  
- MG 362 Management Systems I (3)  
- MG 457 Issues in Organizational Behav (3)  

**Choose 9 Hours From:**
- MG 300 Intro to Quant & Prod Analysis (3)*  
- MG 355 Supervisory Management (3)  
- MG 356 Human Resource Management I (3)  
- MG 421 Total Quality Management (3)  
- MG 446 Human Resource Management II (3)  
- MG 470 Leadership in Management (3)  
- MG 550 Improving Team Performance (3)  
- MG 560 International Management (3)  
- MI 410 Business Database Systems (3)  

* For non-business majors only  

### MARKETING: MARKETING MANAGEMENT  
**15 Hours Required**  
**Required Courses:**
- MK 301 Principles of Marketing (3)  
- MK 343 Advertising & Promotion (3)  
- MK 346 Distribution Management (3)  
- MK 348 Product & Pricing Strategy (3)  

**Choose any MK course except MK 201 and MK 449 (3)**  

### MARKETING: RETAIL MANAGEMENT  
**15 Hours Required**  
**Required Courses:**
- MK 301 Principles of Marketing (3)  
- MK 343 Advertising & Promotion (3)  
- MK 349 Retail Management (3)  

**Choose 6 hours of MK courses except MK 201 and MK 449 (6)**  

### MARKETING: SALES MANAGEMENT  
**15 Hours Required**  
**Required Courses:**
- MK 301 Principles of Marketing (3)  
- MK 342 Professional Selling (3)  
- MK 344 Consumer Behavior (3)  
- MK 447 Sales Management (3)  

**Choose any MK elective except MK 201 and MK 449 (3)**  

### MASS COMMUNICATION  
**18 Hours Required**  
*(A grade of ‘C’ or better is required for each course within the minor except MC 486 which is a credit/no credit course.)*  
**Required Courses:**
- MC 101 Mass Communication & Society (3)  
- MC 401 Communication Law (3)  
- UI 382 Hist & Phil/Amer Mass Media (3)  

**Choose 9 Hours of MC Courses (6 hours must be 300-400 level. All 100 or 200 MC course prerequisites must be met but only 3 hours can be counted toward meeting minor requirements.)*  

### MATHEMATICS  
**15 Hours Required**  
15 hours in mathematics (courses numbered MA 134 & above with the exception of MA 218, MA 230, MA 318 & MA 418) including 5 hours at the 300-500 level.  

### MICROBIOLOGY  
**16 Hours Required**
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Required Courses:

- BI 190 Life Processes (4)
- BI 200 General Microbiology (3)
- BI 225 Research Methods in Biology (3)

Choose 6 Hours From:

- BI 441 Virology (3)
- BI 442 Immunology (3)
- BI 443 Epidemiology (3)
- BI 445 Microbial Physiology (3)
- BI 543/544 Pathogenic Microbiology (3)

MUSIC

19 Hours Required

Required Courses:

- MM 101 Theories of Music in Culture (3)
- MM 105 Aural Skills (1)
- MU 110 Recitals/Concerts (2 semesters) (0)
- MU 181 Musical Encounters (3)
- OR
- MU 182 Music: An Artistic Expression (3)
- MU 3xx Music Ensembles (2)
- UI 310 American Musical Experience (3)

Choose 7 Hours From:

- ME xxx Instrumental Techniques (1-2)
- MH 251 Hist & Lit of Music to 1827 (3)
- OR
- MH 252 Evol/Musical Style Since 1827 (3)
- MM 102 Basic Harmony & Form (3)
- MM 106 Aural Skills II (1)
- MP xxx Applied Music (2-5)
- MU 151 Functional Piano I (or equiv) (1)
- OR
- MU 152 Functional Piano II (or equiv) (1)
- MU 190 Jazz Appreciation (3)
- MU xxx Music Ensembles (2)
- MU 430 Literature: Applied Area (2)
- MU 432 Pedagogy: Applied Area (2)
- UI 315 Electronics & Comptrs in Music (3)
- UI 402 Music in World Cultures (3)

NUTRITION

18-19 Hours Required

Required Courses:

- FN 205 Selection & Prep of Foods (3)
- FN 235 Nutrition for Health (3)
- OR
- FN 255 Nutrition I (3)
- FN 355 Lifespan Nutrition (3)
- HE 520 Tech Tchg Ntr & Health Ed (3)

Choose Two Courses From:

- FN 370 Nutrition Assessment (3)
- FN 502 Nutrition II (3)
- FN 503 Medical Nutr Therapy I (4)
- FN 540 Community Nutrition (3)

OPERATIONS MANAGEMENT

21 Hours Required

Required Courses:

- MG 301 Management & Organiz Behav (3)
- MG 358 Production/Operations Mgt (3)
- MG 451 Materials and Supply Mgmt (3)
- QM 352 Quant Methods in Business (3)

Choose 9 Hours From:

- MG 421 Total Quality Management (3)
- MG 452 Production/Resource Mgt (3)
- MG 462 Applied Systems Analysis (3)
- MG 478 Global Logistics (3)
- MG 548 Project Management (3)
- MI 410 Business Database Systems (3)
- MI 445 Systems Analysis & Design (3)

OUTDOOR ADVENTURE LEADERSHIP

20 Hours Required

Required Courses:

- RC 119 Outdoor Adventure Special Topics (1-3)
- RC 220 Leadership & Group Dynamics (3)
- RC 250 Found of Outdoor Recreation (3)
- RC 316 Special Topics in Health & Leisure (1-3)
- RC 440 Facilitation of Grp Developmnt (3)
- RC 450 Outdoor Adventure as Treatment (3)
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PEDOLOGY/SOIL SCIENCE
18-19 Hours Required
Required Courses:

AO 215 Soils (3)
OR
EV 365 Environ Soil Science (4)
AO 555 Soil Class & Resource Mgmt (3)
OR
GO 555 Soil Class & Resource Mgmt (3)
GO 110 Physical Geology (3)
GO 225 Rocks & Minerals (3)

Choose 6 hours from:
AO 427 Soil Fertil & Plant Nutr (3)
AO 550 Soil Conservation (3)
GO 340 Remote Sensing (3)
GO 355 Sedimentology/Stratigraphy (3)
GO 440 Geomorphology (3)
GO 445 Geog Info Systems (3)
GO 455 Clay Mineralogy (3)
GO 465 Low Temp Geochemistry (3)

PHILOSOPHY
18 Hours Required
Required Courses:

PL 120 Symbolic Logic I (3)
PL 300 Ancient Philosophy (3)
PL 390 Contemporary Philosophy (3)

Choose 3 Hours From:
PL 110 Readings in Philosophy (3)
PL 203 Aesthetics & the Arts (3)
PL 204 Ethical Theory (3)
PL 245 Social Philosophy (3)
RS 101 World Religions (3)

Choose 6 Hours PL courses (300-400 level) or any departmentally approved courses with a UI prefix

PHYSICS
15 Hours Required
Required Courses:

PH 120 Introductory Physics I (5)
OR
PH 230 General Physics I (5)

PH 121 Introductory Physics II (5)
OR
PH 231 General Physics II (5)

Choose 5 Hours EP or PH electives (300-500 level, including UI 330)

POLITICAL SCIENCE
15 Hours Required
Required Courses:

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)

Choose 6 Hours PS courses (At least 2 hours must be 300-500 level)

PSYCHOLOGY: APPLIED
18 Hours Required
Required Courses:

PY 102 Introduction to Psychology (3)
PY 250 Applied Psychology (3)
PY 358 Social Psychology (3)

Choose 9 Hours From:
PY 251 Indus/Organiz Psychology (3)
PY 359 Psychology & the Law (3)
PY 450 Organizations as Open Systems (3)
PY 553 Perspectives on Stress (3)

PSYCHOLOGY: DEVELOPMENTAL
18 Hours Required
Required Courses:

PY 102 Introduction to Psychology (3)
PY 120 The Child:Devel/Concept/Adls (3)
OR
PY 222 Development of the Adolescent (3)
PY 220 Psych Devel Across Life Span (3)
PY 525 Maturity & Aging (3)
Choose 3 Hours From:
- PY 325       Psych Devel of the Family (3)
- PY 444       Childhood Psychopathology (3)

Choose 3 Hours From:
- PY 521       Advanced Child Development (3)
- PY 529       Psychology of Death & Dying (3)

**PSYCHOLOGY: GENERAL**
18 Hours Required

Required Courses:
- PY 102       Intro to Psychology (3)

Choose 3 Hours From:
- PY 362       Learning & Memory (3)
- PY 366       Intro to Sensation & Perception (3)
- PY 466       Intro to Physiological Psychology (3)

Choose 3 Hours From:
- PY 353       Social Cognition (3)
- PY 364       Comparative Cognition (3)
- PY 460       Cognitive Processes (3)

Choose 3 Hours From:
- PY 120       The Child (3)
- PY 220       Psychological Development Across the Lifespan (3)
- PY 222       Development of the Adolescent (3)
- PY 525       Maturity & Aging (3)

Choose 3 Hours From:
- PY 432       Intro to Personality (3)
- PY 440       Abnormal Psychology (3)
- PY 441       Intro to Clinical Psychology (3)

Choose 3 Hours From:
- PY 250       Applied Psychology (3)
- PY 251       Industrial/Organizational Psychology (3)
- PY 358       Social Psychology (3)

**PSYCHOLOGY: PSYCHOLOGICAL SERVICES**
18 Hours Required

Required Courses:
- PY 102       Introduction to Psychology (3)
- PY 432       Intro to Personality (3)
- PY 440       Abnormal Psychology (3)

Choose 9 Hours From:
- PY 358       Social Psychology (3)
- PY 359       Psychology & the Law (3)
- PY 441       Intro to Clinical Psychology (3)
- PY 442       Psychotherapy (3)
- PY 543       Clinical Psychopharmacology (3)
- PY 444       Childhood Psychopathology (3)
- PY 531       Psychological Testing (3)
- PY 553       Perspectives on Stress (3)

**PUBLIC ADMINISTRATION**
18 Hours Required

Required Courses:
- PS 230       American Public Policy (3)
- PS 384       Political Science Internship (3)
- PS 402       Fund of Public Administration (3)
- PS 403       Public Personnel Administration (3)
- PS 415       Government Budgeting Process (3)

Choose 3 Hours From:
- EC 360       Managerial Economics (3) *
- EC 525       Public Policy Economics (3) **
- MG 301       Management & Organiz Behav (3)
- PS 418       Public Policy Analysis (3)
- PS 425       Admin Law & Procedure (3)
- PY 450       Organizations as Open Systems (3)

Prerequisites:
*EC 215, MA 134
**EC 215, EC 225, MA 134

**PUBLIC COMMUNICATION**
18 Hours Required

Required Courses:
- SC 105       Fundamentals of Oral Comm. (3)
- SC 200       Advanced Public Speaking (3)
- SC 310       Speech Writing (3)
- UI 425       Persuasion (3)
Choose 6 Hours From:

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Hours</th>
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<tbody>
<tr>
<td>TH 101</td>
<td>Acting for Non-Majors</td>
<td>3</td>
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<tr>
<td>SC 305</td>
<td>Theories of Comm</td>
<td>3</td>
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<tr>
<td>SC 314</td>
<td>Argumentation &amp; Problem Solving</td>
<td>3</td>
</tr>
<tr>
<td>SC 320</td>
<td>Group Discussion &amp; Decision-Making</td>
<td>3</td>
</tr>
<tr>
<td>UI 345</td>
<td>Nonverbal Comm</td>
<td>3</td>
</tr>
<tr>
<td>UI 423</td>
<td>Political Comm</td>
<td>3</td>
</tr>
<tr>
<td>SC 590</td>
<td>Comm &amp; Attitudes</td>
<td>3</td>
</tr>
<tr>
<td>SC 160 or SC 161</td>
<td>Intercolligate Debate</td>
<td>2</td>
</tr>
<tr>
<td>SC 240/TH 140</td>
<td>Oral Interpretation</td>
<td>3</td>
</tr>
<tr>
<td>SC 505</td>
<td>American Public Address</td>
<td>3</td>
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**RECREATION**

15 Hours Required

**Required Courses**:

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<tr>
<th>Course</th>
<th>Title</th>
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<tbody>
<tr>
<td>RC 140</td>
<td>Intro to Recreation Services</td>
<td>3</td>
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<td>RC 288</td>
<td>Practicum in Rec Services</td>
<td>3</td>
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<tr>
<td>RC 380</td>
<td>Programming for Rec Svcs</td>
<td>3</td>
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**Choose 3 Hours From**:

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<tr>
<th>Course</th>
<th>Title</th>
<th>Hours</th>
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<tr>
<td>RC 210</td>
<td>Camp Leadership</td>
<td>3</td>
</tr>
<tr>
<td>RC 220</td>
<td>Leadership &amp; Group Dynamics</td>
<td>3</td>
</tr>
<tr>
<td>RC 250</td>
<td>Found of Outdoor Recreation</td>
<td>3</td>
</tr>
<tr>
<td>RC 260</td>
<td>Intro to Therapeutic Recreation</td>
<td>3</td>
</tr>
<tr>
<td>RC 270</td>
<td>Commercial Recreation</td>
<td>3</td>
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**Choose 3 Hours From**:

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<th>Course</th>
<th>Title</th>
<th>Hours</th>
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</thead>
<tbody>
<tr>
<td>RC 360</td>
<td>Thrptic &amp; Adapted Rec Svcs</td>
<td>3</td>
</tr>
<tr>
<td>RC 385</td>
<td>Rec Facilities Planning &amp; Mgmt</td>
<td>3</td>
</tr>
<tr>
<td>RC 405</td>
<td>Trends &amp; Issues in Rec &amp; Leisure</td>
<td>3</td>
</tr>
<tr>
<td>RC 420</td>
<td>Organ &amp; Admin of Rec Services</td>
<td>3</td>
</tr>
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</table>

**SMALL PRESS PUBLISHING**

18 Hours Required

**Required Courses**:

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
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<tbody>
<tr>
<td>EN 275</td>
<td>Intro to Creative Writing</td>
<td>3</td>
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<tr>
<td>EN 311</td>
<td>Pract in Editing Lit Manuscript</td>
<td>3</td>
</tr>
<tr>
<td>EN 435</td>
<td>Internship in English</td>
<td>3</td>
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<tr>
<td>LI 301</td>
<td>Small-Press Publishing</td>
<td>3</td>
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<tr>
<td>TG 170</td>
<td>Intro to Graphics</td>
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**Choose 3 Hours From**:

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<tr>
<th>Course</th>
<th>Title</th>
<th>Hours</th>
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<tbody>
<tr>
<td>AR 208</td>
<td>Intro to Graphic Design</td>
<td>3</td>
</tr>
<tr>
<td>AR 209</td>
<td>Lettering, Typography, Desktop Pub</td>
<td>3</td>
</tr>
<tr>
<td>EN 470</td>
<td>Adv Creative Writ: Poetry</td>
<td>3</td>
</tr>
<tr>
<td>EN 478</td>
<td>Adv Creative Writ: Fiction</td>
<td>3</td>
</tr>
<tr>
<td>MC 310</td>
<td>Advertising Principles</td>
<td>3</td>
</tr>
<tr>
<td>MK 301</td>
<td>Princ of Mkrg</td>
<td>3</td>
</tr>
<tr>
<td>TG 272</td>
<td>Electronic Publishing</td>
<td>3</td>
</tr>
</tbody>
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**SOCIAL REHABILITATION AND TREATMENT**

21 Hours Required

**Required Courses**:

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Hours</th>
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</thead>
<tbody>
<tr>
<td>CJ 440</td>
<td>Thries/Methods of Offndr Rehab</td>
<td>3</td>
</tr>
<tr>
<td>SR 444</td>
<td>Trtmt Strat: Alch/Drug Abuse</td>
<td>3</td>
</tr>
</tbody>
</table>
Minors

Southeast Missouri State University 2003-04

SOCIAL WORK

15 Hours Required

Required Courses:
- SW 110  Intro to Social Work (3)
- SW 207  Undrstnding Cultrl/Soc Diversity (3)

Choose 3 Hours From:
- SW 351  Child Welfare (3)
- SW 352  Social Work with the Aged (3)
- SW 355  Special Topics in Social Work (3)

Choose One Area of Emphasis (6 Hours):

SOCIAL WELFARE
- SW 2xx  Social & Economic Justice (3)
- SW 310  Social Welfare Policy & Issues (3)

SOCIAL WORK PRACTICE
- SW 307  Human Behav & Soc Envrnmt I (3)
- SW 315  Social Work Intervention (3)

SOILS

16 Hours Required

Required Courses:
- AG 551  Water Management (3)
- AO 120  Plant Science (4)
- AO 215  Soils (3)
- AO 427  Soil Fertility & Plant Nutrition (3)
- AO 555  Soil Classification/Resource Mgt (3)

Prerequisite:
- CH 181 or CH 185  Chemistry (5)

SPANISH

18 Hours Required

Required Courses:
- 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)

Choose 6 Hours SN courses (300-500 level)

SPORT MANAGEMENT

25 Hours Required

Required Courses:
- PE 201  Sport & Society (3)
- PE 235  Psych of Coaching & Human Perf (3)
- PE 238  Foundations, History, Phil of PE/ Sport Mgt (3)
- PE 460  Sports Administration I (3)
- SM 360  Sport Governance & Event Management (3)
- SM 370  Sport Management Practicum (3)
### Minors

#### Southeast Missouri State University 2003-04

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>SM 540</td>
<td>Legal Aspects of Sport &amp; Phys Activity</td>
<td>(3)</td>
</tr>
<tr>
<td>SM 570</td>
<td>Mgmt &amp; Leadership in Sport Org</td>
<td>(3)</td>
</tr>
</tbody>
</table>

Select one hour from the following:

- AT 142  Weight Training I (1)
- AT 164  Golf I (1)
- AT 176  Tennis I (1)
- AT 179  Racquetball (1)

#### TECHNICAL THEATRE

22 Hours Required

**Required Courses:**

- TH/DA 105  Rehearsal & Production (1)
- TH 115    Acting I (3)
- TH 155    Makeup (2)
- TH 231    Stagecraft I (3)
- TH 251    Costume Construction (3)
- TH/DA 305  Rehearsal & Production (1)

**Choose 3 hours From:**

- TH 120    Acting I (3)
- TH 265    Drawing for the Theatre (3)

**Choose 6 Hours From:**

- TH 331    Stagecraft II (3)
- TH 350    Stage Lighting I (3)
- TH 351    Costume Design I (3)
- TH 361    Scene Painting (3)
- TH 371    Scenic Design I (3)
- TH 375    Theatre Management (3)
- TH 395    Period & Style (3)
- TH 450    Stage Lighting II (3)
- TH 451    Costume Design II (3)
- TH 471    Scenic Design II (3)

#### TESOL

21 Hours Required

- EN 378    Grammars of English (3)
- EN 486    Sociolinguistics (3)
- TL 525    Theories of Lang/Learn/Teach (3)
- TL 425    Develop Matls & Assess Tools for ESOL Classroom (3)
- TL 530    Practicum in TESOL (3)

- TL 585    Methods/Techniques of TESOL (3)
- UI 500    History of the English Language (3)

#### THEATRE ARTS

22 Hours Required

**Required Courses:**

- TH/DA 105  Rehearsal & Production (1)
- TH 115    Acting I (3)
- TH 155    Makeup (2)
- TH 231    Stagecraft I (3)
- TH 251    Costume Construction (3)
- TH/DA 305  Rehearsal & Production (1)

**Choose 3 hours From:**

- TH 120    Acting I (3)
- TH 265    Drawing for the Theatre (3)

**Choose 6 Hours From:**

- TH 375    Theatre Management (3)
- TH 385    Directing I (3)
- TH 490    Theatre History I (3)
- TH 495    Theatre History II (3)
- UI 385    Musical Theatre: Origins to Present (3)

#### THEATRE PERFORMANCE

22 Hours Required

**Required Courses:**

- TH/DA 105  Rehearsal & Production (1)
- TH 115    Acting I (3)
- TH 155    Makeup (2)
- TH 231    Stagecraft I (3)
- TH 251    Costume Construction (3)
- TH/DA 305  Rehearsal & Production (1)

**Choose 3 hours From:**

- TH 120    Acting I (3)
- TH 265    Drawing for the Theatre (3)

**Choose 6 Hours From:**

- TH 310    Solo Performance (3)
- TH 315    Stage Movement (3)
- TH 320    Stage Combat II (3)
- TH 325    Auditioning (3)
Certificate Programs

Southeast Missouri State University 2003-04

Certificate Programs

WOMEN’S STUDIES
15 Hours Required
(See Dr. Mary Johnson
(mvjohnson@semo.edu), Dept of Accounting & Management Information Systems for information.)

Required Courses:
- WS 100 Introduction to Women’s Studies (3)
- WS 300 Seminar: Issues in Women’s Studies (3)

Choose 9 Hours From:
- LI 587 Women and Madness (3)
- SC 365 Communication Between the Sexes (3)
- UI 303 The Female Experience (3)
- UI 332 Images of Women in Literature (3)
- UI 406 Transforming the Female Experience (3)
- UI 441 Feminist Spirituality (3)
- US 210 Women in American History (3)

WRITING
15 Hours Required

Required Courses:
- EN 140 Rhetoric & Critical Thinking (3)
- EN 376 Advanced Composition (3)
- EN 550 Style in Writing (3)

Choose 6 Hours From One Option:

EXPOSITORY WRITING
- EN 300 Prof Written Communication (3)
- EN 301 Writing Science/Technology (3)
- EN 435 Internship (3)
- EN 535 Rhet Theory/Written Discourse (3)

CREATIVE WRITING
- EN 275 Intro to Creative Writing (3)
- EN 515 Writing the Teleplay (3)

ZOOGOLOGY
16 Hours Required

Required Courses:
- BI 190 Life Processes (4)
- BI 225 Research Methods in Biology (3)
- ZO 200 Animal Biology (3)

Choose 3 Hours From:
- ZO 315 Comparative Anatomy (3)
- ZO 331 Animal Physiology (3)
- ZO 414 Developmental Biology (3)
- ZO 420 Animal Behavior (3)
- ZO 469 Vertebrate Adaptations (3)

Choose 3 Hours From:
- ZO 441 Parasitology (3)
- ZO 459 Mammalogy (3)
- ZO 460 Herpetology (3)
- ZO 465 Entomology (3)
- ZO 466 Ornithology (3)
- ZO 478 Ichthyology (3)

Certificate Programs

Short-term curricula are provided for students not planning to complete a four-year degree. Earned credit is applicable toward later completion of a degree. Students completing a short-term program are awarded appropriate certificates at that semester’s graduation ceremony.

DEPARTMENT OF ACCOUNTING & M.I.S. CERTIFICATE TWO-YEAR ADMINISTRATIVE ASSISTANT PROGRAM
60 Hours Required

Required Courses:
- AD 101 Intro to Micro Applications (3)
- AD 222 Microcomp Appl for Business (3)
- AD 224 Transcription Skills (3)
- AD 331 Advanced Word Processing (3)
### Certificate Programs

#### Southeast Missouri State University 2003-04

**AD 341** Information Systems Procedures (3)  
**EN 100** English Composition I (3)  
**EN 140** Rhetoric & Critical Thinking (3)  
**MG 252** Business Communication (3)  
**PY 101** Psych Perspect/Human Behavior (3)  
**SC 105** Fund of Oral Communication (3)  
**UI 100** First Year Seminar (3)

**Choose 15 Hours From:**

- **AC 221** Prin of Financial Accounting (3)  
- **AD 323** Admin Info Systems (3)  
- **AD 337** Admin Systems Mgt Internship (3)  
- **AD 339** Network Support Systems (3)  
- **AD 353** Admin Systems Management (3)  
- **BL 255** Legal Environment of Business (3)  
- **CJ 100** Intro to Criminal Justice (3)  
- **CP 231** Career/Life Planning (1)  
- **CT 300** Professional Image & Behavior (2)  
- **ET 100** Netwrkng Fund & Router Tech (3)  
- **ET 101** Network Design & Adv Routing (3)  
- **IS 130** Visual Basic Programming I (3)  
- **TG 272** Electronic Publishing (3)

Choose one course from each of the following categories:

- University Studies Economic Systems (3)  
- University Studies Living (3)  
- OR  
- Logical Systems  
- University Studies Political Systems (3)  
- University Studies Social Systems (3)

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### DEPARTMENT OF INDUSTRIAL & ENGINEERING TECHNOLOGY CERTIFICATES

#### DESIGN DRAFTING PROGRAM

**65 Hours Required**

**Required Courses:**

- **CH 180** Chemistry in Our World (3)  
- **EN 100** English Composition I (3)  
- **EN 244** English Composition II (3)  
- **MA 133** Plane Trigonometry (2)  
- **MA 134** College Algebra (3)  
- **MN 170** Engineering Matl & Testing (3)  
- **MN 203** Industrial Materials & Processes I (3)  
- **MN 204** Industrial Materials & Processes II (3)  
- **MN 354** Computer Aided Manuf (CAM) (3)  
- **MN 383** Fluid Power (3)  
- **PH 106** Physical Concepts (3)  
- **SC 105** Fund of Oral Communication (3)  
- **TG 120** Computer Aided Eng.Graphics (3)  
- **TG 125** Print Reading for Industry (3)  
- **TG 220** Solid Modeling & Rapid Prototype (3)  
- **TG 320** Architectural Drawing I (3)  
- **TG 322** Architectural Drawing II (3)  
- **TG 324** Design Modeling & Processes (3)  
- **TG 326** Industrial Production Drafting (3)

**Electives (6)**

#### ELECTRONICS PROGRAM

**64 Hours Required**

**Required Courses:**

- **EN 100** English Composition I (3)  
- **ET 162** DC/AC Principles & Circuits I (3)  
- **ET 164** DC/AC Principles & Circuits II (3)  
- **MA 133** Plane Trigonometry (2)  
- **MA 134** College Algebra (3)  
- **MN 170** Engineering Matl & Testing (3)  
- **MN 171** Engineering Matl & Testing (3)  
- **MN 203** Industrial Materials & Processes I (3)  
- **MN 204** Industrial Materials & Processes II (3)  
- **MN 354** Computer Aided Manuf (CAM) (3)  
- **MN 383** Fluid Power (3)  
- **PH 106** Physical Concepts (3)  
- **SC 105** Fund of Oral Communication (3)  
- **TG 120** Computer Aided Eng.Graphics (3)  
- **TG 125** Print Reading for Industry (3)  
- **TG 220** Solid Modeling & Rapid Prototype (3)  
- **TG 320** Architectural Drawing I (3)  
- **TG 322** Architectural Drawing II (3)  
- **TG 324** Design Modeling & Processes (3)  
- **TG 326** Industrial Production Drafting (3)

Choose one course from each of the following categories:

- University Studies Economic Systems (3)  
- University Studies Living (3)  
- OR  
- Logical Systems  
- University Studies Political Systems (3)  
- University Studies Social Systems (3)  
- OR  
- Digital & Analog System Design (3)  
- Industrial Controls (3)  
- Technical Communication (3)  
- Industrial Safety Supervision (3)  
- Statistical Process Control (3)  
- Work Measurement (3)
Choose 12 Hours of electives

GRAPHIC TECHNOLOGY PROGRAM

63 Hours Required

Required Courses:

<table>
<thead>
<tr>
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<tbody>
<tr>
<td>MA 133</td>
<td>Plane Trigonometry</td>
<td>2</td>
</tr>
<tr>
<td>MA 134</td>
<td>College Algebra</td>
<td>3</td>
</tr>
<tr>
<td>MN 260</td>
<td>Tech Computer Programming</td>
<td>3</td>
</tr>
<tr>
<td>PH 120</td>
<td>Introductory Physics I</td>
<td>5</td>
</tr>
<tr>
<td>SC 105</td>
<td>Fund of Oral Communication</td>
<td>3</td>
</tr>
</tbody>
</table>

Choose 6 Hours of electives

- AR 104    Design Foundations (3)
- AR 201    Color Composition (3)
- AR 208    Intro to Graphic Design (3)
- AR 317    Communication Graphics (3)
- EN 100    English Composition I (3)
- IM 102    Technical Communication (3)
- IM 211    Industrial Safety Supervision (3)
- IM 318    Internship (6)
- MC 201    News Writing (3)
- MC 322    Editing (3)
- TG 120    Computer Aided Eng.Graphics (3)
- TG 170    Intro to Graphics (3)
- TG 272    Electronic Publishing (3)
- TG 274    Photography Fundamentals (3)
- TG 374    Digital Imaging & Editing (3)
- TG 376    Multimedia & Animation (3)
- TG 422    Multicolor Print Processes (3)
- TG 472    Advanced Graphics Projects (3)