



## *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

**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)****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)
	<b>OR</b>
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)

- AN 540 Culture Resource Management (3)
- AN 550 Historic Archaeology (3)

**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)

- AR 303 Screenprinting (3)
- AR 306 Advertising Illustration I (3)
- AR 308 Publication Design (3)\*
- AR 309 Advertising Illustration II (3)
- AR 316 Advanced Graphic Design (3)
- AR 375 Art & New Technology (3)
- AR 376 3-D Digital Animation (3)
- AR 421 Watercolor II (3)
- AR 426 Advanced Painting (3)
- AR 431 Sculpture II (3)
- AR 441 Ceramics II (3)
- AR 501 Intaglio (3)
- AR 520 Figure Painting (3)
- AR 530 Fibers II (3)
- AR 541 Ceramics III (3)

\*Prerequisite: AR 209

**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 342 Ceramics 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)

AH 510	Non-Western Art (3)
AH 511	American Art (3)
AH 512	Contemporary Art (3)
AH 514	Issues in Renaissance Art (3)
AH 516	Issues in Modern Art (3)
AR 112	Perspectives in Art (3)
UI 337	Issues/20th Cent Architecture (3)
(or other departmentally approved UI prefix course)	

**BOTANY****15-16 Hours Required****Required Courses:**

BI 190	Life Processes (4)
BI 225	Research Methods in Biology (3)
BO 200	Plant Biology (3)

**Choose 5-6 Hours From:**

BO 361	Systematic Botany (3)
BO 445	Plant Physiology (3)
BO 461	Native Aquatic Plants (3)
BO 469	Field Botany (2)

**BUSINESS ADMINISTRATION****30 hours required\*****(For non-Business majors only)****Required Courses:**

AC 221	Princ of Financial Accounting (3)
AC 222	Princ of Managerial Accounting (3)
AD 101	Intro/Microcomputer Applic (3)
EC 225	Princ of Macroeconomics (3)
FI 361	Financial Management (3)
MA 139	Applied Calculus (3)
MG 301	Mgt & Organiz Behav (3)
MI 375	Management Info Systems (3)
MK 301	Principles of Marketing (3)
QM 257	Business Statistics (3)

**Prerequisites:**

EC 215	Princ of Microeconomics (3)
MA 134	College Algebra (3)

\*All courses require minimum grade of 'C'.

**BUSINESS COMMUNICATION****18 Hours Required****Required Courses:**

SC 320	Group Discussion & Decision-Making (3)
SC 335	Interviewing (3)
SC 560	Organizational Communication (3)
UI 301	Mngrial Communic Processes (3)

**Choose 6 Hours From:**

SC 155	Fund of Interpers Communic (3)
SC 200	Advanced Public Speaking (3)
SC 305	Theories of Communication (3)
SC 310	Speech Writing (3)
SC 314	Argumentation & Problem Solving (3)
SC 510	Group Dynamics (3)
SC 590	Communication & Attitudes (3)
SC 215	Intercultural Communication (3)
UI 425	Persuasion (3)

**CHEMISTRY****19 Hours Required****Required Courses:**

CH 185	General Chemistry I (5)
CH 186	General Chemistry II (3)
CH 187	Qualitative Analysis (2)
CH 271	Quantitative Analysis (4)
CH 341	Organic Chemistry I (4)
CH 342	Organic Chemistry Lab I (1)

**CHILD LIFE SERVICES****21 Hours Required****Required Courses:**

CF 509	Child Life Services (3)
CF 560	Child Life Services Practicum (6)
DA 340	Movement Therapies (3)

**OR**

HL 120	Health Perspectives (3)
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**OR**

RC 112	Music as Therapy (3)
RC 260	Intro to Therapeutic Rec (3)

**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 Grwth & Stim (3)
- CF 317           Prenat/Infant Grwth & 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 Perfrm (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 PROFESSIONALS**

**20-21 Hours Required**

**Required Courses:**

- SC 105           Fund of Oral Communication (3)
- SC 314           Argumentation & Problem Solv-ing (3)

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SC 335 Interviewing (3)  
UI 425 Persuasion (3)

### Choose 8-9 Hours From:

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 NETWORKING

### 15 Hours Required

AD 101 Intro to Micro Appl (3)  
AD 339 Network Support Systems (3)  
ET 100 Networking Fund & Router Tech (3)  
ET 101 Netwrk Design & Advanced Routing (3)  
ET 465 Computer Peripherals (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)  
**OR**  
xx xxx Any statistics course (3)  
SO 360 Criminology (3)  
SO 375 Collective Behavior (3)

### OR

SO 444 Deviant Social Behavior (3)

### Choose 3 Hours From Each of the Following Categories: The Legal System

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)

### Deviance & the Individual

PY 440 Abnormal Psychology (3)  
SO 206 Social Problems of Childhood (3)  
UI 309 Crime & Human Behavior (3)

### Social Problems & Applied Criminology

CJ 100 Intro to Criminal Justice (3)  
EC 101 Econ Probl & Pols in the U.S. (3)  
SW 310 Social Welfare Policies & Issues (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)

DA 190	Practicum in Dance Tech I (1)
DA 210	Ballet II (2)
DA 219	Theory & Pract of Dance (3)
DA 220	Contemporary Dance II (2)
DA 225	Jazz Dance II (2)
DA 230	Ballroom Dance II (1)
DA 235	Tap Dance II (2)
DA 245	Line Dance II (1)
DA 255	Capoeira II (2)
DA 290	Practicum in Dance Tech II (2)
DA 310	Ballet III (2)
DA 320	Contemporary Dance III (2)
DA 325	Jazz Dance III (2)

**ECONOMICS**

15 Hours Required

**Required Courses:**

EC 215	Principles of Microeconomics (3)
EC 225	Principles of Macroeconomics (3)

**Choose 3 Hours From:**

EC 350	Devel of Economic Thought (3)
EC 410	Macroeconomic Theory (3)
EC 420	Microeconomic Theory (3)

**Choose 6 Hours From:**

EC xxx	Any EC course (300-500 level) (3)
UI 322	International Political Economy (3)
UI 349	Comparative Economic Systems (3)
UI 366	Law & Economics (3)
UI 371	Government & Business (3)

**ELECTRONICS TECHNOLOGY**

18 Hours Required

**Required Courses:**

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)

**Choose 6 Hours From One Option:**

**OPTION I**

ET 364	Logic Circuits (3)
<b>OR</b>	
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 Hours Required

**Required Courses:**

PH 230	General Physics I (5)
PH 231	General Physics II (5)

**Choose 9 Hours EP or PH electives, including UI 330**

(Except those courses indicated in the BULLETIN that do not apply on a minor)

**ENTREPRENEURSHIP/ SMALL BUSINESS MANAGEMENT**

15 Hours Required

**Required Courses:**

BA 361	Sm Bus Mgt/New Vent Creation (3)
BA 363	Sm Bus/New Venture Financing (3)
BA 461	Sm Bus/New Vent Plng & Strat (3)
BA 463	Small Bus/New Venture Internship Project/Bus Plan Completion (3)

**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 Hours Required

(For non-science majors; 6 hours must be at 300-400 level)

**Required Courses:**

BS 105	Environmental Biology (3)
CH 180	Chemistry in Our World (3)
<b>OR</b>	
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)
<b>OR</b>	
SO 370	Family (3)

**Choose 3 Hours from each of the Following Categories:**

**Childhood**

- CF 120      The Child: Devel/Concep/Adolsc (3)
- CF 316      Prenatal/Infant Grwth & 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)
- AND**
- FI xxx      (300-500 level) (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 Assmt & 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)

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FN 440	Procur in Hosp & Foodserv Oper (3)
FN 515	Fin/Econ Aspets Food/Hosp Mgt (3)
FN 560	Foodservice Equip/Lay-Out/Des (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

Required Courses:

GN 100	German Language & Culture I (3)
GN 120	German Language & Culture II (3)
GN 200	German Language & Culture III (3)
GN 220	German Literature (3)

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 Proto-  
type (3)
- TG 320 Architectural Drawing I (3)
- TG 322 Architectural Drawing II (3)

**OPTION III**

- TG 220 Solid Modeling & Rapid Proto-  
type (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 Landscaping (3)

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HO 431 Nursery Prod & Silviculture (4)  
HO 530 Home Horticulture (2)

### 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)

## 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)  
**OR**  
EC 385 Collective Bargaining (3)  
MG 356 Human Resources Mgt I (3)

PY 251 Indus & Org Psychology (3)

### **OR**

PY 450 Organizations as Open Systems (3)

US 528 U.S. Economic History (3)

### **OR**

US 529 History of American Labor (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)

## 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)

HI 430 Residential Interior Design II (3)  
 HI 532 History of Furniture II (3)

**Choose 3 Hours From:**

CT 207 Textiles (3)  
 HI 214 Display Design (3)  
 HI 220 Lighting & Interior Systems (3)  
 HI 470 Interior Design Practicum (3)  
 HI 530 History of Furniture I (3)

**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:**

AN 383 Cultures of the Third World (3)  
 GG 320 Political Geography (3)  
 PS 280 Intro to Global Issues (3)  
 PS 3xx Terrorism & Political Violence (3)  
 PS 355 Third World Politics (3)  
 PS 380 International Organizations (3)  
 PS 570 Comparative Governments (3)  
 PS 580 International Politics (3)  
 PS 595 International Law (3)  
 UI 307 Economic Geography (3)  
 UI 326 Australian Culture (3)  
 UI 347 Living in a Global Society (3)  
 UI 402 Music in World Culture (3)  
 UI 447 Globalism & Justice (3)

**Choose 6 Hours of Electives 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)  
 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: INTEGRATED MARKETING COMMUNICATIONS****15 Hours Required****Required Courses:**

MK 301	Principles of Marketing (3)
MK 341	Public Relations (3)
MK 342	Professional Selling (3)
MK 343	Advertising & Promotion (3)
MK 443	Integrated Mktg Comm Practicum (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**

**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**

- 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)

**PEDOLOGY/SOIL SCIENCE****18-19 Hours Required****Required Courses:**

AO 215	Soils (3)
<b>OR</b>	
EV 365	Environ Soil Science (4)
AO 555	Soil Class & Resource Mgmt (3)
<b>OR</b>	
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)
<b>OR</b>	
PH 230	General Physics I (5)

PH 121	Introductory Physics II (5)
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**OR**

PH 231	General Physics II (5)
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**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)
<b>OR</b>	
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/Adlsc (3)
<b>OR</b>	
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:**

TH 101	Acting for Non-Majors (3)
SC 305	Theories of Comm (3)
SC 314	Argumentation & Problem Solving (3)
SC 320	Group Discussion & Decision-Making (3)
UI 345	Nonverbal Comm (3)
UI 423	Political Comm (3)
SC 590	Comm & Attitudes (3)
SC 160 or SC 161	Intercollegiate Debate (2)
SC240/TH140	Oral Interpretation (3)
SC 505	American Public Address (3)

**RECREATION****15 Hours Required****Required Courses:**

RC 140	Intro to Recreation Services (3)
RC 288	Practicum in Rec Services (3)
RC 380	Programming for Rec Svcs (3)

**Choose 3 Hours From:**

RC 210	Camp Leadership (3)
RC 220	Leadership & Group Dynamics (3)
RC 250	Found of Outdoor Recreation (3)
RC 260	Intro to Therapeutic Recreation (3)
RC 270	Commercial Recreation (3)

**Choose 3 Hours From:**

RC 360	Thrptic & Adapted Rec Svcs (3)
RC 385	Rec Facilities Planning & Mgmt (3)
RC 405	Trends & Issues in Rec & Leisure (3)
RC 420	Organ & Admin of Rec Services (3)

**RELIGION****18 Hours Required****Required Courses:**

PL 499	Independent Study in Philosophy (3)
RS 101	World Religions (3)
UI 336	Religion in America (3)

**Choose 3 Hours From:**

LI 222	Mythic Dimensions of Literature (3)
RS 201	New Testament Literature (3)
RS 202	Old Testament Literature (3)

**Choose 6 Hours From:**

AN 375	Primitive Religions (3)
PL 340	Philosophy of Religion (3)
RS 350	Religious Topics & Issues (3)
SO 350	Sociology of Religion (3)
UI 415	Science & Religion (3)

**SMALL PRESS PUBLISHING****18 Hours Required****Required Courses:**

EN 275	Intro to Creative Writing (3)
EN 311	Pract in Editing Lit Manuscript (3)
EN 435	Internship in English (3)
LI 301	Small-Press Publishing (3)
TG 170	Intro to Graphics (3)

**Choose 3 Hours From:**

AR 208	Intro to Graphic Design (3)
AR 209	Lettering, Typography, Desktop Pub (3)
EN 470	Adv Creative Writ: Poetry (3)
EN 478	Adv Creative Writ: Fiction (3)
MC 310	Advertising Principles (3)
MK 301	Princ of Mktg (3)
TG 272	Electronic Publishing (3)

**SOCIAL REHABILITATION AND TREATMENT****21 Hours Required****Required Courses:**

CJ 440	Thries/Methods of Offndr Rehab (3)
SR 444	Trtmt Strat: Alch/Drug Abuse (3)

- SR 448 Juv Just Trtmt/Intervention Strat (3)
- SW 110 Intro to Social Work (3)
- OR**
- RC 260 Intro to Therapeutic Recreation (3)

**Choose 3 Hours From:**

- PY 440 Abnormal Psychology (3)
- PY 441 Intro to Clinical Psychology (3)
- PY 444 Childhood Psychopathology (3)

**Choose 6 Hours From:**

- PY 325 Psych Devel of the Family (3)
- PY 440 Abnormal Psychology (3)  
(If not chosen above)
- RC 260 Intro to Therapeutic Recreation (3)
- RC 450 Outdoor Adventure as Treatment (3)
- SR 450 Wilderness Adventure Therapy (3)
- SW 315 Social Work Intervention (3)

**SOCIAL WORK**

**15 Hours Required**

**Required Courses:**

- SW 110 Intro to Social Work (3)
- SW 207 Undrstndng 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)
- SW 389 Ind Study 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 Envrmt I (3)
- SW 315 Social Work Intervention (3)

**SOCIOLOGY**

**15 Hours Required**

**Required Course:**

- SO 200 Intro to Social Organization (3)

**Choose 12 Hours SO courses (At least 6 Hours must be 300-500 level)**

**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)

SM 540	Legal Aspects of Sport & Phys Activity (3)
SM 570	Mgmt & Leadership in Sport Org (3)

**Select one hour from the following:**

AT 142	Weight Training I (1)
AT 164	Golf I (1)
AT 176	Tennis I (3)
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)

TH 330	Acting III (3)
TH 385	Directing I (3)
TH 475	Ensemble Theatre (3)
TH 485	Directing II (3)

EN 470	Adv Creative Writing: Poetry (3)
EN 478	Adv Creative Writing: Fiction (3)

**WOMEN'S STUDIES**

**15 Hours Required**  
(See Dr. Mary Johnson  
([mvjohnson@semo.edu](mailto: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)

**ZOOLOGY**

**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)

# 161 Certificate Programs

Seal 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)

**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)

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 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)
ET 194	Intro to PLC's (3)
ET 260	Electr Circ Design/Analysis I (3)
ET 262	Electr Circ Design & Analysis II (3)
ET 364	Logic Circuits (3)
<b>OR</b>	
PH 305	Digital & Analog System Design (3)
ET 468	Industrial Controls (3)
IM 102	Technical Communication (3)
IM 211	Industrial Safety Supervision (3)
IM 311	Statistical Process Control (3)
IM 315	Work Measurement (3)

MA 133	Plane Trigonometry (2)
MA 134	College Algebra (3)
MN 260	Tech Computer Programming (3)
PH 120	Introductory Physics I (5)
SC 105	Fund of Oral Communication (3)

**Choose 12 Hours of electives**

**GRAPHIC TECHNOLOGY PROGRAM**

**63 Hours Required**

**Required Courses:**

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)

**Choose 6 Hours of electives**