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
- Aerospace Studies
- Agriculture
- Agriculture/Horticulture Entrepreneurship
- Anthropology
- Archaeology
- Architectural Design
- Art/Art History
- Autism Studies
- Biological & Medical Sciences Entrepreneurship
- Biology
- Botany
- Business Administration
- Chemistry
- Child Development
- Coaching
- Commercial Photography
- Communication Disorders
- Communication for Legal Professionals
- Communication Studies
- Companion Animals
- Computer Networking
- Computer Science
- Criminal Justice
- Criminology
- Dance
- Economics
- Electronics Technology
- Engineering Physics
- Entrepreneurship
- Environmental Science
- Environmental Soil Science
- Environmental Studies
- Exercise Science
- Family Economics & Management
- Family Studies
- Fashion Entrepreneurship
- Fashion Merchandising
- Finance
- Fine Arts Entrepreneurship
- French
- Geoscience
- German
- Gerontology
- Global Studies
- Graphic Communications Technology
- Health Management Entrepreneurship
- Health Promotion
- Historic Preservation
- History
- Horticulture
- Hospitality Management
- Human Resource Management
- Industrial and Engineering Technology Entrepreneurship
- Industrial Management
- Information Systems
- Interior Design
- International Business
- Latin American Studies
- Literature
- Management
- Marketing: Integrated Marketing Communications
- Marketing: Marketing Management
- Marketing: Retail Management
- Marketing: Sales Managements
- Mass Communication
- Mathematics
- Microbiology
- Music
- Nutrition
- Outdoor Adventure Leadership
- Philosophy
- Physics
- Political Science
- Psychology: Applied
- Psychology: Developmental
- Psychology: General
- Psychology: Psychological Services
- Public Administration
- Recreation
- Religion
- Small Press Publishing
- Social Rehabilitation & Treatment
- Social Work
- Sociology
- Soils
- Spanish
- Sport Management
- Substance Abuse Prevention
- Theatre: Acting
- Theatre: General
- Theatre: Technical
- Women's Studies
- Writing
- Zoology
ACCOUNTING
15 Hours Required
Required Courses:
AC 221  Princ of Accounting I (3)
AC 222  Princ of Accounting II (3)
Choose 9 Hours AC courses (300-500 level) except AC 573

AEROSPACE STUDIES
16 Hours Required
Required Courses:
AS 100  Foundation of USAF I (1)
AS 101  Foundation of USAF II (1)
AS 200  Evol of USAir/Space Power I (1)
AS 201  Evol of USAir/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)

AGRICULTURE
15 Hours Required
Required Courses:
AO 120  Plant Science (3)
AO 125  Plant Science Lab (1)
AY 101  Animal Science (3)
AY 105  Animal Science Experience (2)
Choose 6 Hours AG, AO, AY, HO courses (300-400 level)

AGRICULTURE/HORTICULTURE ENTREPRENEURSHIP
15 Hours Required
Required Courses:
BA 361  Prin of Entrepreneurship (3)
BA 551  Managing/Growing a New Venture (3)
BA 561  Bus Planning for a New Venture (3)
Choose 6 Hours approved AG/ HO courses

ANTHROPOLOGY
18 Hours Required
Required Courses:
AN 181  Intro Cultural Anthropology (3)
AN 317  Ethnographic Field Methods (3)
AN 341  Intro Linguistic Anthropology (3)
Choose 9 Hours From:
AN 100  Foundations of Human Behvr (3)
AN 101  Observing Other Cultures (3)
AN 180  Intro/Phys Anthro & Archaeology (3)
AN 250  World Archaeology (3)
AN 360  Meso-American Civilizations (3)
AN 493  Anthropology Theory Sem:Cult Anthr/Linguistics (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 100  Foundations of Human Behvr (3)
AN 101  Observing Other Cultures (3)
AN 181  Intro Cultural Anthropology (3)
AN 250  World Archaeology (3)
AN 317  Ethnographic Field Methods (3)
AN 319  Archaeological Laboratory (3)
AN 360  Meso-American Civilizations (3)
AN 381  North American Archaeology (3)
AN 493  Anthropology Theory Sem:Cult Anthr/Linguistics (3)

ARCHITECTURAL DESIGN
15 Hours Required
Required Courses:
CM 126  Computer Aided Arch Drafting (3)
CM 226  Residential Arch Drft & Design (3)
Choose 9 Hours From:
CM 315  Constr Contracts/Legal Iss (3)
CM 322  Commercial Arch Drft & Design (3)
CM 243  Constr Methods & Materials (3)
CM 310  Constr Codes & Compliance (3)
HO 330  Landscape Planting Design (3)

ART/ART HISTORY
18 Hours Required
Required Course:
AH 110  Art History Survey I (3)
OR
AR 112  Perspectives in Art (3)
Choose 6 Hours From:
AH 210  Art History Survey II (3)
AR 100  Drawing I (3)
AR 104  Design Foundations (3)
AR 106  3-D Foundations (3)
AR 201  Color Composition (3)
AR 202  Drawing II (3)

Choose 9 Hours of Upper Division AR or AH prefix courses (Related courses are encouraged.)

AUTISM STUDIES
21 Hours Required
Required Courses:
CF/PY 120   The Child (3)
OR
CF 220  Young & Middle Adulthood (3)
EX 311  Intro to Exceptional Child (3)
OR
EX 390  Psych/Educ of the Except Child (3)
EX 555  Intro to Autism Spectrum Disorders (3)
EX 556  Lang Acquisition & Comm Strat (3)

Choose One 9 Hour Option
OPTION I Applied Behavioral Analysis Focus
CF 531  Basic Prin of Appl Behvrl Analysis (3)
CF 532  Behvrl Assess & Data Analysis (3)
CF 533  Strat for Behvrl Intervention & Change (3)

OPTION II Non-Applied Behavioral Analysis Focus
Choose 3 Hours:
CD 110  Lang/Culture of the Deaf (3)
CD 340  Normal Spch/Lang Dev (3)
CE 370  Lang Dev of the Young Child (3)
Choose 3 Hours:
CE 330  Classroom Management (3)
CF 531  Basic Prin of Appl Behvr Analysis (3)
EX 304  Behavior Management (3)
EX 557  Behavior Mgmt/Interventions (3)
Choose 3 Hours:
CF 200  Constructive Guidance & Discipline (3)
CF290/291  Preschool Participation/Lab (3)
EX 558  Seminar in Autism (3)

BOTANY
22 Hours Required
Required Courses:
BI 153  Intro to Organismal Biology (4)
BI 154  Genetics & Cell Biology (4)

Choose 9 Hours From:
BI, BO, BT, ZO prefix courses at the 300-599 level

BIOLOGICAL AND MEDICAL SCIENCES ENTREPRENEURSHIP
18 Hours Required
Required Courses:
BA 361  Prin of Entrepreneurship (3)
BA 551  Managing/Growing a New Venture (3)
BA 561  Bus Planning for a New Venture (3)

Choose 9 Hours approved BI/BO/BT/ZO courses

BIOLOGY
21 Hours Required:
BI 151  Biological Reasoning (3)
BI 152  Intro to Scientific Investigation (1)
BI 153  Intro to Organismal Biology (4)
BI 154  Genetics & Cell Biology (4)

Choose 9 Hours From:
BI, BO, BT, ZO prefix courses at the 300-599 level

CHEMISTRY
20 Hours Required
Required Courses:
CH 185  General Chemistry (5)
CH 186  Found of Inorganic Chem (3)
CH 187  Inorg Chem & Qual Analysis (2)

Choose two of the following:
CH 271  Found of Analytical Chem (5)
CH 311  Found of Physical Chem (4)
CH 341  Found of Organic Chem (4)
CH 531/UI 331 Found of Biochem (3)

Choose one CH3xx-5xx level course to total 20 hours. Must include a minimum of 3 hours of lab beyond CH 187

CHILD DEVELOPMENT
18 Hours Required
Required Courses:
- CF/PY 120 The Child (3)
- CF 124 Hlth/Nutr/Safety Child (3)
- CF 200 Constructive Guidance & Discipline (3)
- CF 215 Observ: Percep & Process (3)
- CF 330 Middle Childhd & Youth Issues (3)
- CF 410 Culture & Ethnicity of the Child (3)

COACHING
21-22 Hours Required
Required Courses:
- CG 400 Coaching Administration (3)
- CG 470 Practicum in Coaching (3)
- PE 220 First Aid (2)
- PE 235 Psych/Coaching & Hum Perfrm (3)
- PE 341 Physiology of Conditioning (3)
- SM 540 Leg Aspects/Sport & Phys Activity (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)

COMMERCIAL PHOTOGRAPHY
18 Hours Required
- GM 200 Vector & Bitmapped Graphics for Ind (3)
- GM 385 HD Video for Multimedia (3)

OR
- PG 325 Pract in Comm Photography (3)
- PG 284 Photography Fundamentals (3)
- PG 285 Commercial Photography Lighting (3)
- PG 286 Commercial Studio Photography (3)
- PG 384 Commercial Photography I (3)

COMMUNICATION DISORDERS
17-19 Hours Required
- CD 225 Phonetics (3)
- CD 230 Intro to Comm Disorders (4)
- CD 340 Normal Spch & Lang Develop (3)
- CD 406 Svc Delivery in Comm Disorders (4)

Choose 3-5 Hours from:
- CD 371 Anatomy & Phys of Hearing Mech (3)
- CD 411 Nature of Assmt/Intv Spch & Language (5)
- CD 426 Hrng Disorders: Audio Assessmnt (3)

COMMUNICATION FOR LEGAL PROFESSIONALS
15 Hours Required
Required Courses:
- SC 200 Advanced Public Speaking (3)
- SC 314 Argumentation & Problem Solving (3)
- UI 425 Persuasion (3)

Choose 6 Hours From:
- SC 310 Speech Writing (3)
- SC 335 Interviewing (3)
- SC 360 Experiential Comm Proj (1-3)
- SC 406 Negotiation & Conflict Mgmt (3)
- UI 320 Modern Presidency (3)
- UI 345 Nonverbal Communication (3)
- UI 423 Political Communication (3)

COMMUNICATION STUDIES
15 Hours Required
Required Courses:
- SC 320 Group Comm & Decision Making (3)
- SC 355 Relational Comm Strategies (3)
- UI 425 Persuasion (3)

Choose 6 Hours From:
- SC 200 Advanced Public Speaking (3)
- SC 215 Intercultural Comm (3)
- SC 310 Speech Writing (3)
- SC 314 Argumentation & Problem Solving (3)
- SC 330 Corporate & Professional Comm (3)
- SC 335 Interviewing: Princ & Practices (3)
- SC 360 Experiential Comm Proj (1-3)
- SC 406 Negotiation & Conflict Mgmt (3)
- SC 482 Special Problems in Comm Studies (3)
- SC 510 Leadership & Team Building (3)
- SC 560 Organizational Communication (3)
- UI 301 Managerial Communication Processes (3)
- UI 320 Modern Presidency (3)
- UI 345 Nonverbal Communication (3)
- UI 423 Political Communication (3)
- UI 504 Leaders of Social Change (3)

COMPANION ANIMALS
17 Hours Required
- AY 101 Animal Science (3)
- AY 105 Animal Science Experience (2)
- AY 200 Companion Animals (3)
- AY 205 Horse Science (3)
AY 304  Principles of Animal Nutrition (3)
AY 350  Animal Reproduction (3)

COMPUTER NETWORKING

15 Hours Required
TN 275  Network Fundamentals (3)
TN 255  Microcomputer Maint & Trblshng (3)
TN 375  Netwk Rout Protocols & Concepts (3)
TN 395  Server Maint & Trblshooting (3)
TN 565  LAN Switching (3)

COMPUTER SCIENCE

15 Hours Required
Required Courses:
CS 155  Computer Science I (4)
CS 265  Computer Science II (4)
Choose 7 Hours CS courses including 6 hours at the 300-500 level

CRIMINAL JUSTICE

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

CRIMINOLOGY

18 Hours Required
Required Courses:
SO 205  Social Problems in America (3)
SO 360  Criminology (3)
SO 444  Deviant Social Behavior (3)
Choose 9 Hours From:
CJ 375  Crim Typ & Victimology (3)
CJ 841  Death Penalty in America (3)
SO 375  Collective Behavior (3)
SO 385  Family Violence (3)
SR 444  Trtmnt Strat: Alc & Drg Ab (3)
UI 300  Drugs & Behavior (3)
UI 309  Crime & Hum Behvr (3)

DANCE

23 Hours Required
Required Courses:
DA/TH 105 Rehearsal & Production (1)
DA/TH 305 Rehearsal & Production (1)
DA 280  Movement Analysis (3)
DA 490  Dance History (3)
Choose 15 Hours (9 Hours must be upper division):
DA 130  Ballroom Dance (1)
DA 140  Body-Mind Conditioning (1)
DA 186  Beg Jazz Dance (1)
DA 211  Ballet I (1)
DA 221  Modern Dance I (1)
DA 226  Jazz Dance I (1)
DA 236  Tap Dance I (1)
DA 311  Ballet II (2)
DA 321  Modern Dance II (2)
DA 326  Jazz Dance II (2)
DA 336  Tap Dance II (2)
DA 380  Choreography I (3)
DA 411  Ballet III (2)
DA 421  Modern Dance III (2)
DA 426  Jazz Dance III (2)
DA 430  Princ of Teaching Dance (3)
DA 485  Choreography II (3)

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 160  Basic Electricity & Electronics (3)
ET 245  Logic Circuits (3)
ET 304  Fund Prog Logic Contl (3)
ET 366  Microcontrollers (3)
MN 356  Robotic Fundamentals (3)
MN 412  Advanced Manufacturing Systems (3)
OR
MN 383  Fluid Power (3)

ENGINEERING PHYSICS

19 Hours Required
Required Courses:
PH 230/030 General Physics I (5)
PH 231/031 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
15 Hours Required*
Required Courses:
BA 361  Prin of Entrepreneurship (3)
BA 561  Bus Planning for New Ventures (3)
MG 301  Prin of Management (3)
MK 301  Prin of Marketing (3)
Choose 3 hours:
BA 521  Topics in Entrepreneurship (3)
BA 531  Imag, Creativity & Innov (3)
BA 551  Manag & Grow New Ventures(3)
*Management majors cannot select this minor.

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)
OR
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 (3)
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 (3)
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)

ENVIRONMENTAL SOIL SCIENCE
15 Hours Required
Required Courses:
AO 215  Soils (3)
OR
GO 365  Environ Soil Science (3)
AO 555  Soil Class & Resource Mgmt (3)

OR
GO 555  Soil Class & Resource Mgnt (3)
GO 110  Physical Geology (3)
Choose 6 hours from:
AO 427  Soil Fertil & Plant Nutr (3)
GO 340  Remote Sensing (3)
GO 445  Geographic Information Systems (3)
GO 460  Environmental Hydrology (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:
EN 301  Writing for Science & Technology (3)
GO 305  Environmental Geoscience (3)
GO 460  Environmental Hydrology (3)
IS 175  Information Systems I (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)
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)

EXERCISE SCIENCE
22 Hours Required
Required Courses:
HL 231  Fitness Conditioning (3)
HL 331/031 Exercise Physiology (3)
HL 431  Fitness Assmt & Exercise Prog (4)
HL 460  Exercise Leadership (3)
Choose 6 Hours From:
FN 235  Nutrition for Health (3)
OR
FN 255  Nutrition I (3)
HL 332  Lifestyle Disease Risk Reduct (3)
HL 345  Resistance Trng Prin & Prac (3)
HL 346  Weight Mgmt Prin & Prac (3)
HL 510  Health Concerns of Aging (3)
PE 464  Kinesiology (3)

Additional Requirements: 14-16 Hours
BS 113/013 Anatomy & Phys I (4)
BS 114/014 Anatomy & Phys II (4)
CH 180  Chem in Our World (3)
OR
CH 181  Basic Princ of Chem (5)
OR
CH 185  General Chemistry (5)
MA 134  College Algebra (3)

FAMILY ECONOMICS AND MANAGEMENT
18 Hours Required
Required Courses:
CF 512  Family & Comm Resources (3)
EC 101  Econ Principles & Policies (3)
FE 200  Family Resource Management (3)
FE 400  Fam Resource Mgt Pract (3)
FI 351  Principles of Insurance (3)
UI 355  Consumer & the Market (3)

FAMILY STUDIES
18 Hours Required
Required Courses:
CF 209  Intro to Family Systems (3)
CF 220  Young & Middle Adulthood (3)
CF 340  Family Law, Advoc & Policy (3)
CF 402  Marriage Interaction (3)
CF 430  Parent-Child Interaction (3)
CF 512  Family & Comm Resources (3)

FASHION ENTREPRENEURSHIP
15 Hours Required
Required Courses:
BA 361  Prin of Entrepreneurship (3)
BA 551  Managing/Growing a New Venture (3)
BA 561  Bus Planning for a New Venture (3)
Choose 6 Hours approved FA courses

FASHION MERCHANDISING
18 Hours Required
Required Courses:
DS 114  Display Design (3)
FA 110  Intro to Fashion Merchandising (3)
FA 207  Textiles (3)
FA 230  Apparel Analysis (3)
FA 350  Apparel Aesthetics (3)
Choose 6 Hours From:
FA 300  Prof Image & Behavior (2)
FA 415  Fashion Retailing (3)
FA 420  Specialty Market (3)
FA 450  Issues/Trends in Fash Merch (3)
FA 517  History of Costume (3)
FA 518  Soc Psych Aspects of Clothing (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)

FINE ARTS ENTREPRENEURSHIP
15 hours required
Required Courses:
AR/DA/MU/TH 245 Creating and Managing an Arts Career (3)
BA 361  Principles of Entrepreneurship (3)
BA 551  Managing and Growing a New Venture (3)
BA 561  Business Planning for New Ventures (3)
Choose 3 Hours from:
AR 352  Gallery and Museum Internship (3)
AR 399  Professional Practices in Art (3)
MU/TH 375 Theater Management (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)
GEOSCIENCE

15 Hours Required
Required Courses:
GO 110 Physical Geology (3)
UI 373 Earth/Life Thru Time (3)
Choose 6 hours GO courses (200-500 level)
Choose 3 hours GO courses (400-500 level)

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

18 Hours Required
Required Courses:
CF 206 Intro to Gerontology (3)
CF 207 Gerontology Practicum I (3)
CF 518 Gerontology Practicum (3)
PY 329 Psychology of Death & Dying (3)
PY 525 Maturity & Aging (3)
UI 430 Aging Successfully (3)

GLOBAL STUDIES

18 Hours Required
Required Course:
UI 450 Capstone Experience (3)
Choose 6 Hours From:
AN 181 Intro to Cultural Anthropology (3)
GG 180 Cultural Geography (3)
PS 104 Comp Political Systems (3)
PS 280 Intro to Global Issues (3)
UI 308 Cult & Phys Landscapes (3)
WH 103 Modern Eur Civ (3)
OR
WH 130 Latin American Civ (3)
Choose 3 hours of upper division electives from an approved list
(See Dept of Global Cultures and Languages for Approved List of Electives)
Choose 3 hours of Study Abroad/internship to correspond with foreign language elective below
Choose 3 hours foreign language elective:
CN 101 Beginning Chinese (3)
CN 102 Chinese II (3)

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)
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)
JN 101 Japanese I (3)
JN 102 Japanese II (3)
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)

GRAPHIC COMMUNICATIONS TECHNOLOGY

18 Hours Required
Required Courses:
GM 180 Intro to Tech Graphics (3)
GM 200 Vector & Bitmapped Graphics (3)
GM 282 Vector Graphics (3)
GM 380 3D Modeling & Animation Prod (3)
Choose 6 Hours From One Option:
OPTION I
GM 386 Interactive Multimedia & Animation (3)
GM 480 3D Animation Pipeline (3)
OPTION II
GM 320 Graphic User Interface (3)
GM 326 Interactive Multimedia (3)

HEALTH MANAGEMENT ENTREPRENEURSHIP

15 Hours Required
Required Courses:
BA 361 Prin of Entrepreneurship (3)
BA 551 Managing/Growing a New Venture (3)
BA 561 Bus Planning for a New Venture (3)
HL 111 Intro to Health Management (3)
HL 471 Fitness Facility Administration (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 Sport and Exercise Pharmacology (3)
HL 331 Exercise Physiology (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 HP prefix)
GH 520 Techniques of Oral History (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 540 Topics in Hist Pres (3)
HP 580 Hist of Am Bldg Mats (3)
HP 588 Leg/Econ Princ of Historic Pres (3)
HP 589 Hist Pres Based Econ Revit (3)
UI 313 African American Experience (3)
UI 446 Civil Rights Movement (3)
US 360 Women in American History (3)
US 525 American Urban History (3)

HISTORY
21 Hours Required
EH 300-599 (3)
US 300-599 (3)
WH 300-599 (3)
EH/GH/HP/US/WH 300-599 (6)

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

HORTICULTURE
15 Hours Required
Required Courses:
HO 110 Intro to Horticulture (3)
HO 130 Plant ID & Use I (3)
HO 230 Plant Identi & Use II (3)
HO 3xx-5xx Horticulture electives (6)

HOSPITALITY MANAGEMENT
18 Hours Required
Required Courses:
FN 150 Intro to Hospitality Mgmt (3)
FN 205 Selection & Preparation of Food (3)
FN 270 Hotel & Restaurant Operation (3)
FN 304 Food, Bev & Labor Cost Cntrls (3)
FN 390 Hosp Sales & Marketing (3)
FN 406 Hospitality and Institution Admin (3)

HUMAN RESOURCE MANAGEMENT
15 Hours Required
Required Courses:
MG 301 Principles of Management (3)
MG 356 Found of Human Resource Mgmt (3)
MG 546 Acquiring & Compensating Talent (3)
MG 566 Legal & Union Issues in HR (3)

Choose 3 Hours From:
MG 354 Bus Negotiation: Conc/Practice (3)
MG 456 Topics in Human Resource Mgt (3)
MG 470 Leadership in Management (3)
MG 526 Manag & Develop Talent (3)
MG 550 Improving Team Performance (3)

*Cannot double count electives in other Management minors

INDUSTRIAL AND ENGINEERING TECHNOLOGY ENTREPRENEURSHIP
15 Hours Required
Required Courses:
BA 361 Prin of Entrepreneurship (3)
BA 551 Manag & Grow New Ventures (3)
BA 561 Bus Planning for New Ventures (3)

Choose one six-hour option:
Computer and Multimedia Graphics
GM 180 Intro to Technical Graphics (3)
GM 200 Vector/Bitmap Graphics for Ind (3)
Construction Management and Design
CM 315 Constr Contracts & Legal Iss (3)
CM 410 Construction Proj Admin (3)
Electrical and Controls (3)
ET 245 Logic Circuits (3)
ET 366 Microcontrollers (3)

Facilities Management and Sustainability
FM 504 Facilities Management (3)
FM 564 Sustain Fac Plan & Design (3)
Industrial and Safety Management
IM 313 Facilities Planning (3)
IM 417 Manufact Resource Analysis (3)

Mechanical and Manufacturing
MN 221 Solid Model & Rapid Prototyp (3)
MN 304 Indus Mats & Processes II (3)

Sustainability Energy Systems Management
ET 426 Sustainable Energy Technology (3)
FM 565 Building Energy Management (3)
## INDUSTRIAL MANAGEMENT

**15 Hours Required**

**Required Courses:**
- IM 301 Industrial Safety Supervision (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)

## INFORMATION SYSTEMS

**15 Hours Required**

**Required Courses:**
- IS 175 Information Systems I (3)

**Choose 6 Hours From:**
- IS 130 Visual Basic Programming I (3)
- IS 245 Web Devlpment & Security (3)
- IS 275 Information Systems II (3)

**Choose 6 hours of IS prefix courses at the 300-500 level**

## INTERIOR DESIGN

**18 hours required**

**Required Courses:**
- DS 001 Portfolio Review (0)
- DS 104 Introduction to Interior Design (3)
- DS 111 Design Process (3)
- DS 211 Basic Kitchen & Bath Design (3)
- DS 220 Design Communications (3)

**Choose 6 Hours From:**
- DS 313 Sustainable Design (3)
- DS 314 Multicultural Design (3)
- DS 410 Hospitality Design (3)
- DS 412 Contract Design (3)

## INTERNATIONAL BUSINESS

**18 Hours Required**

**Required Courses:**
- EC 580 International Economics (3)
- FI 540 International Finance (3)
- MG 560 International Management (3)
- MK 560 International Marketing (3)
- UI 343 Transcultural Experience (3)

**Choose 3 Hours From:**
- AC 540 International Persp on Acct (3)
- MK 478 Global Logistics (3)
- UI 322 International Political Economy (3)
- UI 349 Comparative Economics Systems (3)

**Latin American Studies**

**18 Hours Required**

**Required Courses:**
- SN xxx Spanish Language (6)
- SN 300 Spanish Am Culture (3)

**OR**
- WH 130 Latin American Civ (3)

**Choose 9 Hours From:**
- AN 360 Mesoamerica (3)
- EH 520 Hist/Spain & Portugal (3)
- PS 375 Politics in Latin Am (3)
- SN 306 Civilization of Spain (3)
- WH 520 Colonial Latin Am (3)
- WH 522 History/South Am (3)
- WH 524 History of Mexico (3)
- xx 300-500 Latin American Literature Course (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)**

## MANAGEMENT

**15 Hours Required**

**Required Courses:**
- MG 301 Principles of Management (3)
- MG 462 Organization Theory & Design (3)
- MG 550 Improving Team Performance (3)

**Choose 6 Hours From:**
- BA 361 Princ of Entrepreneurship (3)
- BA 531 Imag, Creativity & Innovation (3)
- IM 411 Total Quality Assurance (3)
- MG 354 Bus Negotiation: Conc/Practice (3)
- MG 356 Found of Human Resource Mgmt (3)
- MG 457 Organizational Behavior (3)
- MG 470 Leadership in Management (3)
- MG 560 International Management (3)

*Cannot double count electives in other Management minors*
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: 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 345, MK 449 and MK 473 (3)*
*Cannot double count electives in other Marketing minors

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 345, MK 449 and MK 473*
*Cannot double count electives in other Marketing minors

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 course except MK 345, MK 449 and MK 473 (3)*
*Cannot double count electives in other Marketing minors

MASS COMMUNICATION

18 Hours Required

(A grade of ‘C’ or higher is required for each course within the minor.)

Required Courses:
MC 101 Mass Communication & Society (3)
MC 401 Communication Law (3)
Choose 12 Hours of MC Courses. (All prerequisites must be met for these electives.)

MATHEMATICS

15 Hours Required

Required Course:
MA 140 Analytic Geometry & Calc I (5)

10 hours in mathematics (consisting of MA 138, MA 145, or courses numbered MA 223 & above with the exception of MA 230, MA 318 & MA 418) including 6 hours at the 300-500 level.

MICROBIOLOGY

21 Hours Required

Required Courses:
BI 151 Biological Reasoning (3)
BI 152 Intro to Scientific Investigation (1)
BI 153 Intro to Organismal Biology (4)
BI 154 Genetics & Cell Biology (4)
BI 200 General Microbiology (3)

Choose 6 Hours From:
BI 384 Readings in Biology (1)
BI 441 Virology (3)
BI 442 Immunology (3)
BI 443 Epidemiology (3)
BI 445 Microbial Physiology (3)
BI 485 Topics in Biology (3)
BI 493 Readings Biology (2)
BI 543/544 Pathogenic Microbiology (3)
BI 589-591 Biological Research (1-3)

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)
### Minors

#### Southeast Missouri State University 2013-14

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Name</th>
<th>Hours</th>
</tr>
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<tbody>
<tr>
<td>MM 102</td>
<td>Basic Harmony &amp; Form</td>
<td>3</td>
</tr>
<tr>
<td>MM 106</td>
<td>Aural Skills II</td>
<td>1</td>
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<tr>
<td>MP xxx</td>
<td>Applied Music</td>
<td>2-5</td>
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<tr>
<td>MU 151</td>
<td>Functional Piano I (or equiv)</td>
<td>1</td>
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<tr>
<td>OR</td>
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<tr>
<td>MU 152</td>
<td>Functional Piano II (or equiv)</td>
<td>1</td>
</tr>
<tr>
<td>MU 190</td>
<td>Jazz Appreciation</td>
<td>3</td>
</tr>
<tr>
<td>MU xxx</td>
<td>Music Ensembles</td>
<td>2</td>
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<tr>
<td>MU 450</td>
<td>Literature: Applied Area</td>
<td>2</td>
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<tr>
<td>MU 432</td>
<td>Pedagogy: Applied Area</td>
<td>2</td>
</tr>
<tr>
<td>UI 315</td>
<td>Electronics &amp; Comptrs in Music</td>
<td>3</td>
</tr>
<tr>
<td>UI 402</td>
<td>Music in World Cultures</td>
<td>3</td>
</tr>
</tbody>
</table>

#### NUTRITION

**18 Hours Required**

**Required Courses:**
- FN 205 Selection & Prep of Foods (3)
- FN 235 Nutrition for Health (3)
- FN 355 Lifespan Nutrition (3)
- FN 540 Community Nutrition (3)

**Choose 6 Hours From:**
- FN 255 Nutrition I (3)
- FN 370 Nutrition Assessment (3)
- FN 401 Sports Nutrition (3)
- FN 502 Nutrition II (3)
- HE 520 Tech Tchg Ntr & Health Ed (3)

#### OUTDOOR ADVENTURE LEADERSHIP

**18 Hours Required**

- RC 150 Outdoor Living Skills (3)
- RC 151 Outdoor Adventure Skills (3)
- RC 250 Found of Outdoor Recreation (3)
- RC 310 Outdoor Leadership (3)
- RC 450 Outdoor Adventure as Treatment (3)

**Choose 3 Hours From:**
- RC 119 Outdoor Adventure Special Topics (1-3)
- RC 316 Special Topics in Health & Leisure (1-3)
- RC 812 Outdoor Adventure (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 120/020 Introductory Physics I (5)
- OR
- PH 230/030 General Physics I (5)
- PH 121/021 Introductory Physics II (5)
- OR
- PH 231/031 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 531 Psychological Testing (3)
- UI 354 Lifestyle Enhancement (3)

#### PSYCHOLOGY: DEVELOPMENTAL

**18 Hours Required**

**Required Courses:**
- PY 102 Introduction to Psychology (3)
- PY 120 The Child:Devel/Concept/Adlsc (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 329/529 Psychology of Death & Dying (3)
PY 521  Advanced Child Development (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 325  Psych Development of the Family (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)

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 525  Public Policy Economics (3)
EC 561  Managerial Economics (3)
MG 301  Principles of Management (3)
PS 418  Public Policy Analysis (3)
PS 425  Admin Law & Procedure (3)
PY 450  Organizations as Open Systems (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  Fund 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)
UI 415  Science & Religion (3)
SMALL PRESS PUBLISHING

18 Hours Required
Required Courses:
EN 275 Intro to Creative Writing (3)
EN 311 Literary Manuscript Editing Pract (3)
EN 435 Internship in English (3)
GM 180 Intro to Indus Graphics (3)
LI 301 Small-Press Publishing (3)

Choose 3 Hours From:
AR 319 Intro to Graphic Design (3)
AR 322 Typography (3)
EN 470 Adv Creative Writ: Poetry (3)
EN 478 Adv Creative Writ: Fiction (3)
GM 282 Vector and Text Graphics (3)
MC 310 Advertising Comm Strategies (3)
MK 301 Principles of Marketing (3)

SOCIAL REHABILITATION AND TREATMENT

21 Hours Required
Required Courses:
CJ 440 Theory/Methods of Offndr Rehab (3)
SR 444 Trtmnt Strat: Alch/Drug Abuse (3)
SR 448 Juv Just Trtmnt/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)
SW 315 Social Work Intervention (3)

SOCIAL WORK

15 Hours Required
Required Courses:
SW 110 Intro to Social Work (3)
SW 207 Understndng Cultr/Soc Diversity (3)

Choose 3 Hours From:
SW 351 Child Welfare (3)
SW 352 Social Work with the Aged (3)
SW 353 Child Development (3)
SW 354 Crisis Intervention (3)
SW 355 Special Topics in Social Work (3)
SW 356 Social Work in Mental Health (3)
SW 389 Ind Study in Social Work (3)

Choose One Area of Emphasis (6 Hours):
SOCIAL WELFARE
SW 201 Social & Economic Justice (3)
SW 310 Social Welfare Policy & Issues (3)

SOCIAL WORK PRACTICE
SW 121 Helping Skills for the Human Svcs (3)
SW 315 Social Work Intervention (3)

SOCIOLOGY

15 Hours Required
Required Course:
SO 102 Society/Culture/Social Behr (3)

OR
SO 120 Cities and Society (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 (3)
AO 125 Plant Science Lab (1)
AO 215 Soils (3)
AO 427 Soil Fertility & Plant Nutrition (3)
AO 555 Soil Classification/Resource Mgt (3)

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

15 Hours Required
Required Courses:
PE 201 Sport & Society (3)
SM 220 Intro to Sport Management (3)
SM 360 Sporting Event Management (3)
SM 540 Legal Aspects of Sport & Phys Activity (3)

Select one course from the following:
SM 340 Sport Ethics (3)
SM 455 Sport-Related Venue Dsgn/Operation (3)
SM 460 Fund of Sport Delivery Systems (3)
SM 570 Mgmt & Leadership in Sport Org (3)
SUBSTANCE ABUSE PREVENTION

15 Hours Required

Required Courses:
- HL 1xx Foundations of Prevention (3)
- HL 4xx Substance Abuse/Addict in Public Hlth (3)
- UI 300 Drugs & Behavior (3)

Choose 3 hours:
- HL 312 Sport & Exercise Pharmacology (3)
- HL 320 Community Health (3)
- HL 526 Health Behavior Change (3)
- RC 288 Practicum (3)

THEATRE: ACTING

23 Hours Required

Required Courses:
- TH/DA 105 Rehearsal & Production (1)
- TH 218 Acting I (3)
- TH/DA 305 Rehearsal & Production (1)
- TH 316 Acting II (6)
- TH 321 Stage Combat I (3)
- TH 416 Acting III (3)

Choose 3 Hours From:
- TH 317 Voice for the Stage (3)
- TH 319 Acting for Film & TV (3)
- TH 431 Stage Combat II (3)

THEATRE: GENERAL

23 Hours Required

Required Courses:
- TH/DA 105 Rehearsal & Production (1)
- TH 155 Makeup (3)
- TH 218 Acting I (3)
- TH 231 Stagecraft I (3)
- TH 251 Costume Construction (3)
- TH/DA 305 Rehearsal & Production (1)

Choose 3 hours From:
- TH 265 Drawing for the Theatre (3)
- TH 316 Acting II (3)

Choose 6 Hours From:
- TH 375 Performing Arts Mgmt (3)
- TH 385 Directing I (3)
- TH 395 Period & Style (3)
- TH 490 Theatre History I (3)
- TH 495 Theatre History II (3)

THEATRE: TECHNICAL

23 Hours Required

Required Courses:
- TH/DA 105 Rehearsal & Production (1)
- TH 155 Makeup (3)
- TH 231 Stagecraft I (3)
- TH 251 Costume Construction (3)
- TH 265 Drawing for the Theatre (3)
- TH/DA 305 Rehearsal & Production (1)

Choose 9 Hours From:
- TH 311 Stagecraft II (3)
- TH 350 Stage Lighting I (3)
- TH 351 Costume Design I (3)
- TH 361 Scene Painting (3)
- TH 371 Scenic Design I (3)
- TH 375 Performing Arts Mgmt (3)
- TH 386 Sound Design (3)
- TH 395 Period & Style (3)
- TH 450 Stage Lighting II (3)
- TH 451 Costume Design II (3)
- TH 471 Scenic Design II (3)

WOMEN'S STUDIES

15 Hours Required

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)
- UI 303 The Female Experience (3)
- UI 332 Images of Women in Literature (3)
- UI 406 Transforming the Female Experience (3)
- UI 4xx Feminist Spirituality (3)
- US 360 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 301 Writing Science/Technology (3)
- EN 435 Internship (3)

CREATIVE WRITING
- EN 275 Intro to Creative Writing (3)
- EN 470 Adv Creative Writing: Poetry (3)
- EN 478 Adv Creative Writing: Fiction (3)
ZOOLOGY

21 Hours Required

Required Courses:
- BI 151 Biological Reasoning (3)
- BI 152 Intro to Scientific Investigation (1)
- BI 153 Intro to Organismal Biology (4)
- BI 154 Genetics & Cell Biology (4)
- ZO 200 Animal Biology (3)

Choose 6 Hours From:
- BI 332 General Ecology (3)
- BI 384 Readings in Biology (1)
- BI 385 Topics in Biology (3)
- BI 493 Readings in Biology (2)
- BI 589-591 Biological Research (1-3)
- ZO 315 Comparative Anatomy (3)
- ZO 414 Developmental Biology (3)
- ZO 420 Animal Behavior (3)
- ZO 441 Parasitology (3)
- ZO 459 Mammalogy (3)
- ZO 460 Herpetology (3)
- ZO 465 Entomology (3)
- ZO 466 Ornithology (3)
- ZO 469 Vertebrate Adaptations (3)
- ZO 478 Ichthyology (3)

CERTIFICATE PROGRAMS

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

ESOL

15 Hours Required

- EN 378 Grammars of English (3)
- OR
- UI 501 Prin of Language (3)
- OR
- EN 381 Language Acquisition (3)
- OR
- TL 525 Eng Sec/For Lang: Learn/Teach (3)
- OR
- EX 302 Lang Dev of Except Child (3)
- OR
- EN 486 Sociolinguistics (3)
- OR
- SE 275/EL 274 Diversity in Am Schools (3)
- OR
- TL 425 Matl & Assmt for ESL Clsrn (3)
- OR
- TL 530 Practicum for TESOL (3)
- TL 585 Methd/Tech for Teach ESOL (3)
- OR
- EN 315 Found of Teaching ELLs (3)

TEACHING ASSISTANT

PREPARATION- ELEMENTARY/ SPECIAL EDUCATION

63-64 Hours

Required Courses:
- BS 118 Intro to Process Science (1)
- BS 218 Bio Science: Process Approach (3)
- EC 101 Econ Problems/Policies (3)
- ED 250 Intro to Education (2)*
- ED 251 Intro to Technology (2)*
- EF 304 Found of School & Society (2)*
- EL 315 Theories/Learning/Mgmt (2)
- EN 100 English Composition I (3)*
- EN 140 Rhetoric/Critical Thinking (3)*
- HL 120 Health Perspectives (3)
- OR
- HL 210 Health & Safety (2)
- LI 243 Children's Literature (3)
- MA 118 Mathematics I (3)
- MA 318 Mathematics II for Elem Teachers (3)
- MA 418 Geometry for Elem Teachers (3)
- MU 356 Music Skills/Elem Teachers (1)
- PH 218 Physical Science: Process Approach (3)
- PS 103 US Political Systems (3)
- PY/CF 120 The Child (3)*
- SC 105 Fund of Oral Communication (3)*
- UI 100/CL001/CL 002 First Year Seminar (3)
- US 105 American History I (3)
- OR
- US 107 American History II (3)
- UI 308 Physical/Cultural Landscape (3)
- UI 318 Earth Science: Process Approach (3)
- xx xxx Artistic Expression (3)
- *C or better required
TEACHING ASSISTANT PREPARATION-
MIDDLE/SECONDARY EDUCATION

63-65 Hours

Required Courses:
ED 250 Intro to Education (2)*
ED 251 Intro to Technology (2)*
EF 304 Found of School & Society (2)*
EN 100 English Composition I (3)*
EN 140 Rhetoric/Critical Thinking (3)*
MU 356 Music Skills/Elem Teachers (1)
PS 103 US Political Systems (3)
PY 222 Devlp of the Adolescent (3)*
SC 105 Fund of Oral Communication (3)*
UI 100/CL001/CL 002 First Year Seminar (3)
UI 3xx Interdisciplinary Studies course (3)
US 105 American History I (3)

OR
US 107 American History II (3)
xx xxx Artistic Expression (3)
xx xxx Economic Systems (EC xxx) (3)
xx xxx Literary Expression (LI xxx) (3)
xx xxx Living Systems (BI xxx, BS xxx or FN 235) (3)
xx xxx Logical Systems (MA 123 or MA 134 or
MA 155) (3)
xx xxx Physical Systems (CH xxx, GO xxx, PH xxx) (3-5)

Subject Matter Concentration Area: Choose from Art,
Biology, Business, Chemistry, English, Family & Consumer
Sciences, Industrial Education, Mathematics, Music,
Physical Education, Social Studies, Spanish, (etc.) (15)

*C or better required