

# Minors



**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  
 Business Administration  
 Business Law  
 Chemistry  
 Child Development  
 Coaching  
 Commercial Photography  
 Communication Disorders  
 Communication for Health Professionals  
 Communication for Legal Professionals  
 Communication Studies  
 Companion Animals  
 Computer Networking  
 Computer Science  
 Construction Management  
 Criminal Justice  
 Criminology  
 Cybersecurity  
 Dance  
 Economics  
 Electronics Technology  
 Engineering Physics  
 Entrepreneurship  
 Environmental Science  
 Exercise Science  
 Family Studies  
 Fashion Entrepreneurship  
 Fashion Merchandising  
 Finance  
 Fine Arts Entrepreneurship  
 French  
 Geographic Information Systems  
 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 Management  
 Mass Communication  
 Mathematics  
 Military Science  
 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  
 Supply Chain Management  
 Sustainability  
 Theatre: Acting  
 Theatre: General  
 Theatre: Technical  
 Writing

**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****18 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)

HO 110 Intro to Horticulture (3)

**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 Cultures (3)

AN 180 Intro/Phys Anthro &amp; 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 &amp; Archaeology (3)

AN 382 Archaeology: Method &amp; 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 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 &amp; Design (3)

**Choose 9 Hours From:**

CM 315 Constr Contracts/Legal Iss (3)

CM 322 Commercial Arch Drft &amp; Design (3)

CM 243 Constr Methods &amp; Materials II (3)

CM 310 Building Codes &amp; Compliance (3)

HO 330 Strategic Landscape 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 &amp; 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 Comm Interv/Strat for Indiv w/ Autism Spec Dis (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 &amp; Data Analysis (3)

CF 533 Strat for Behvrl Intervention &amp; 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 &amp; Discipline (3)

CF 280 Lrng Theory/Application: Preschool (3)

EX 558 Seminar in Autism (3)

**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****20 Hours Required:**

BI 151 Biological Reasoning (3)

BI 153 Intro to Organismal Biology (4)

BI 154 Genetics &amp; Cell Biology (4)

**Choose 9 Hours From:**

BI, BO, BT, ZO prefix courses at the 300-599 level

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

AC 221 Princ of Accounting I (3)

AC 222 Princ of Accounting II (3)

AD 101 Intro/Microcomputer Appl (3)

EC 225 Princ of Macroeconomics (3)

FI 361 Financial Management (3)

MG 301 Principles of Management (3)

MI 375 Management Info Systems (3)

MK 301 Principles of Marketing (3)

QM 257 Business Statistics I (3)

QM 258 Business Statistics II (3)

*\*All courses require minimum grade of 'C'.***BUSINESS LAW****15 Hours Required**

BL 255 Legal Environ of Business (3)

UI 366 Law &amp; Economics (3)

UI 316 Contemporary Legal Studies (3)

**Choose 6 hours from:**

AC/BL 563 Legal/Ethical Issues in Acctg (3)

BL 455 Contracts (3)

BL 573 Internship in Business Law (3)

CJ 220 Criminal Law (3)

CJ 370 Juvenile Justice (3)

CJ 422 Criminal Procedure (3)

MC 401 Communication Law (3)

SM 540 Legal Aspects/Phys Activity/Sport (3)

PS 387-389 Indep Study in Poli Sci (1-3)

PL 120 Symbolic Logic I (3)

PS 390 The American Judicial System (3)

PS 425 Administrative Law &amp; Procedure (3)

PS 490 Constitutional Law (3)

PY 359 Psychology and the Law (3)

SC 314 Argumentation (3)

UI 305 Judicial Reasoning (3)

**CHEMISTRY****20 Hours Required****Required Courses:**

CH 185 General Chemistry (5)

CH 186 Found of Inorganic Chem (3)

CH 187 Inorg Chem &amp; 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 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 Perfm (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 Hours Required**

- CD 211 Anat/Phys of Spch Mech (4)  
 CD 225 Phonetics (3)  
 CD 230 Intro to Comm Disorders (4)  
 CD 340 Normal Spch & Lang Develop (3)  
 UI 454 Perspectives of Literacy (3)

**COMMUNICATION FOR HEALTH PROFESSIONALS****18 Hours Required****Required Courses:**

- SC 215 Intercultural Communication (3)  
 SC 301 Found of Health Communication (3)  
 SC 355 Relational Communication (3)  
 UI 345 Nonverbal Communication (3)

**Choose 6 Hours From:**

- SC 314 Argumentation & Problem Solving (3)  
 SC 335 Interviewing (3)  
 SC 360 Experiential Comm Projects (1-3)  
 SC 406 Negotiation/Conflict Mgmt (3)  
 SC 510 Leadership & Team Building (3)  
 UI 425 Persuasion (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)  
 UI 504 Leaders of Social Change (3)

**COMMUNICATION STUDIES****15 Hours Required**

- 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)

### OR

- AY 300 Domestic Animal A&P I (3)  
 AY 304 Principles of Animal Nutrition (3)  
 AY 350 Animal Reproduction (3)

## COMPUTER NETWORKING

### 15 Hours Required

- TN 275 Intro to Networks (3)  
 TN 255 Microcomputer Maint & Trblshntg (3)  
 TN 375 Routing/Switching Essentials (3)  
 TN 395 Server Maint & Trblshooting (3)  
 TN 563 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**

## CONSTRUCTION MANAGEMENT

### 15 Hours Required

- CM 126 Computer Aided Arch Drafting (3)  
 CM 243 Construction Methods and Matls (3)  
 CM 320 Construction Cost Estimating (3)  
 CM 330 Construction Planning & Scheduling (3)  
 CM 2xx-5xx (3)

## 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 300 Organized/White Collar Crime (3)  
 SO 305 Race, Gender, Class & Crime (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)

## CYBERSECURITY

### 26 Hours Required

#### Required Courses:

- CS 155 Computer Science I (4)  
 CS 265 Computer Science II (4)  
 CY 201 Intro to Cybersecurity (3)  
 CY 310 Info Security & Assurance (3)  
 CY 320 Info Security in Syst Admin (3)  
 MA 464 Mathematical Cryptography (3)  
 TN 275 Intro to Networks (3)

#### Choose 3 Hours From:

- CS 280 Computer Systems (3)  
 EP 305 Digital & Analog System Design (3)  
 ET 245 Logic Circuits (3)

## DANCE

### 23 Hours Required

#### Required Courses:

- DA/TH 105 Rehearsal & Production (1)  
 DA/TH 305 Rehearsal & Production (1)  
 DA 280 Movement Analysis I (3)  
 DA 490 Dance History (3)

#### Choose 15 Hours (9 Hours must be upper division):

- DA 211 Ballet I (1)  
 DA 221 Modern Dance I (1)  
 DA 226 Jazz Dance I (1)  
 DA 2xx World Dance I (2)  
 DA 2xx Hip Hop Dance I (2)  
 DA 236 Tap Dance I (1)  
 DA 3xx Dance Musicianship (3)  
 DA 311 Ballet II (2)  
 DA 321 Modern Dance II (2)  
 DA 326 Jazz Dance II (2)  
 DA 3xx World Dance II (2)



- DA 3xx Hip Hop Dance II (2)  
 DA 336 Tap Dance II (2)  
 DA 380 Choreography I (3)  
 DA 391 Topics in Dance (3)  
 DA 3xx Movement Analysis II (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 360 Recycling & Waste Management (3)  
 UI 387 Environmental Law & Public Policy (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 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 Relationships of Commitment (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:**

FA 110 Intro to Fashion Merchandising (3)  
 FA 114 Display Design (3)  
 FA 207 Textiles (3)  
 FA 350 Apparel Aesthetics (3)

**Choose 6 Hours From:**

FA 300 Prof Image & Behavior (2)  
 FA 450 Issues/Trends in Fash Merch (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 Visual Art (3)  
 MU/TH 375 Performing Arts Mgmt (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)**

## GEOGRAPHIC INFORMATION SYSTEMS

**15 Hours Required**

**Required Courses:**

AG 444 Spatial Analysis (3)  
 GO 340/540 Remote Sensing (3)  
 GO 445 Geographic Info Systems (3)  
 IU 314/GO 514 GeoInfo Science Today (3)

**Choose 3 Hours From:**

AG 440 Precision Agriculture (3)  
 CJ 430 Policing in an Information Age (3)  
 GO 520 GIS Application (3)

## 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 100 Chinese Language & Culture I (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 Matls (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****17 Hours Required****Required Courses:**

- HO 110 Intro to Horticulture (3)  
 HO 225 Ident/Use of Deciduous Plants (2)  
 HO 235 Ident/Use of Evergreen Plants (2)  
 HO 245 Ident/Use of Interior/Tropical Plants (2)  
 HO 255 Ident/Use of Annual/Perennial Plants (2)

**Choose 6 hours from:**

- HO 310 Alternative Agriculture (3)  
 HO 320 Nursery Administration & Culture (3)  
 HO 321 Advanced Plant Propagation (3)  
 HO 330 Strategic Landscape Design (3)  
 HO 342 Prod of Horticultural Crops (3)  
 HO 350 Adv Greenhouse Management (3)  
 HO 355 Interior Plantscaping (3)  
 HO 430 Adv Turfgrass Management (3)

- HO 431 Landscape Install & Maintenance (3)  
 HO 445 Composting/Utiliz in Hort Systems (3)  
 HO 450 Vineyard Operations (3)  
 HO 464 Adv Horticulture Technologies (3)  
 HO 470 Strategic Urban Hort (3)

**HOSPITALITY MANAGEMENT****18 Hours Required****Required Courses:**

- HM 150 Intro to Hospitality Mgmt (3)  
 HM 205 Basic Culinary Techniques (3)  
 HM 270 Hotel & Restaurant Operation (3)  
 HM 304 Food, Bev & Labor Cost Cntrls (3)  
 HM 390 Hosp Sales & Marketing (3)  
 HM 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 Matls & 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 Computer Information Systems I (3)

**Choose 6 Hours From:**

- IS 130 Application Development I (3)  
 IS 245 Web Devlpmnt & Security (3)  
 IS 275 Computer 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 Exploring Interior Design (3)  
 DS 111 Tech Drafting for Designers (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**

- 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 550 Improving Team Performance (3)  
 MG 562 Organization Theory & Design (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.**

**MILITARY SCIENCE****15 Hours Required****Required Courses:**

- NG 101 Intro to Military Science (3)

**OR**

- NG 103 Warrior Leader Course (3)  
 NG 301 Adaptive Army Leadership I (3)  
 NG 401 Adaptive Army Leadership II (3)

**Choose 6 Hours From:**

- NG 201 Intro Army Team Leadership I (3)  
 NG 202 Intro Army Team Leadership II (3)  
 NG 401 Appl of Army Leadership Skills (3)  
 NG 402 Prep for First Duty Assignment (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 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****15 Hours Required****Required Courses:**

- FN 235 Nutrition for Health (3)  
 FN 255 Nutrition I (3)  
 FN 355 Lifespan Nutrition (3)

**Choose 6 Hours From:**

- FN 320 Essent of Food Science (3)  
 FN 401 Sports Nutrition (3)  
 FN 502 Nutrition II (3)  
 FN 520 Nutrition & Aging (3)  
 HE 520 Tech Tchg Ntr & Health Ed (3)  
 HM 205 Basic Culinary Techniques (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****15 Hours Required****Required Courses:**

- PY 102 Introduction to Psychology (3)  
 PY 120 The Child (3)

**OR**

- PY 222 Development of the Adolescent (3)  
 PY 220 Psych Devel Across Life Span (3)

**Choose 6 Hours From:**

- PY 325 Psych Devel of the Family (3)  
 PY 329/529 Psychology of Death & Dying (3)  
 PY 444 Childhood Psychopathology (3)  
 PY 525 Maturity & Aging (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 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)

**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 444 Childhood Psychopathology (3)  
 PY 531 Psychological Testing (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 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)  
 UI 415 Science & Religion (3)

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

- EN 302 Small-Press Publishing (3)  
 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)

**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 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)  
 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:**

- HS 301 Found Child Maltreatmnt/Advocacy (3)  
 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 250 Governance of Sport Organizations (3)  
 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)  
 HL320 Community Health (3)  
 HL526 Health Behavior Change (3)  
 RC 288 Practicum (3)

**Choose 3 hours:**

- PY 151 Social Decision Making (3)  
 PY 222 Development of the Adolescent (3)  
 RC 340 Mentoring Principles (3)  
 SR 444 Treatment Strategies (3)

**SUPPLY CHAIN MANAGEMENT****15 Hours Required**

- MI 375 Management Info Systems (3)  
 QM 352 Quantitative Analysis (3)  
 QM 558 Prin of Supply Chain Mgmt (3)

**Choose 6 hours from:**

- FI 362 Adv Financial Mgmt (3)  
 FI 368 Investments (3)  
 MG 354 Bus Negotiations: Conc/Pract (3)  
 MG 470 Leadership in Mgmt (3)

- MK 346 Distribution Management (3)  
 MK 478 Global Logistics (3)  
 MK 560 International Mktg (3)  
 QM 530 Operations Analysis & Mgmt (3)

**SUSTAINABILITY****21 Hours Required****Required courses:**

- AG 201 World Food & Society (3)  
**OR**  
 EC 101 Econ Problems & Policies (3)

- OR**  
 EC 215 Prin of Microeconomics (3)

- OR**  
 MN 220 Engr Economic Analysis (3)  
 BS 105 Environmental Biology (3)  
 UI 429 Environmental Ethics (3)

**Choose 6 hours from:**

- AG 433 Agriculture & Food Policy (3)  
 AO 327 Sustainable Agriculture (3)  
 BI 435 Conservation Biology (3)  
 BI 440 Ecology & Mgmt of Wetlands (3)  
 CH/EV 450 Environmental Chemistry (3)  
 DS 104 Intro to Interior Design (3)  
 EC/EV 344 Environmental Economics (3)  
 ET 426 Sustainable Energy Technologies (3)  
 FM 564 Sustainable Fac Planning/Design (3)  
 HO 355 Interior Landscaping (3)  
 IM 455 Sustainable & Green Manufacturing (3)

**Choose 6 hours from:**

- IU 318 Sust Energy, Agric & Industry (3)  
 UI 344 Plants & Humanity (3)  
 UI 347 Living in a Global Society (3)  
 UI 360 Recycling & Waste Management (3)  
 UI 386 Environmental Health (3)  
 UI 387 Environ Law & Public Policy (3)  
 UI 436 Agricultural Ethics (3)

**THEATRE: ACTING****23 Hours Required****Required Courses:**

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

**Choose 3 Hours From:**

- TH 317 Voice for the Actor I (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 331 Stagecraft II (3)
- TH 350 Stage Lighting I (3)
- TH 351 Costume Design I (3)
- TH 361 Scene Painting (3)
- TH 371 Scenic Design I (3)
- TH 375 Performing Arts Mgmt (3)
- TH 386 Sound Design I (3)
- TH 395 Period & Style (3)
- TH 450 Stage Lighting II (3)
- TH 451 Costume Design II (3)
- TH 471 Scenic Design II (3)
- TH 4xx Sound Design II (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 the following:**

- EN 201 Writing About Literature (3)
- EN 275 Intro to Creative Writing (3)
- EN 375 Intermediate Creative Writing (3)
- EN 470 Adv Creative Writing: Poetry (3)
- EN 478 Adv Creative Writing: Fiction (3)
- EN 572 Creative Nonfiction Essay (3)
- IU 309 Writing for Science & Tech (3)

## **CERTIFICATE PROGRAMS**

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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.

## **AUTISM SPECTRUM DISORDER**

### **18 Hours Required**

- EX 555 Intro to Autism Spectrum Disorders (3)
- EX 556 Comm Interv/Strat for Indiv with Aut Spec Dis (3)
- EX 557 Behvr Mgmt/Interv for Indiv with Aut Spec Dis (3)
- EX 558 Research Autism Spectrum Disorders (3)
- EX 559 Clinical Practicum (3)
- PY/CF 120 Development of the Adolescent (3)

## **ESOL**

### **15 Hours Required**

- EN 378 Grammars of English (3)
- OR**
- UI 501 Prin of Language (3)
- EN 381 Language Acquisition (3)
- OR**
- TL 525 Eng Sec/For Lang: Learn/Teach (3)
- OR**
- EX 302 Lang Dev of Except Child (2)
- EN 486 Sociolinguistics (3)
- OR**
- SE 275/EL 274 Diversity in Am Schools (3)
- 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)

## HEALTHCARE FACILITIES OPERATIONS

### 27 Hours Required

- MA 134 College Algebra (3)  
 MN 220 Engineering Economic Analysis (3)  
 CM 310 Building Codes & Compliance (3)  
 CM 315 Construction Contracts & Legal Issues (3)  
 CM 325 Building Mechanical & Electrical Systems (3)  
 FM 554 Facilities Operation & Supervision (3)  
 FM 564 Sustainable Facilities Planning & Design (3)  
 FM 565 Building Automation & Technology (3)  
 IM3 17 Cooperative Industrial Internship (3)

#### OR

- IM 506 Projects in Industrial & Engineering Technology (3)

## TEACHING ASSISTANT PREPARATION- ELEMENTARY/ SPECIAL EDUCATION

### 64-65 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 and Measurement for Educators (4)  
 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 S 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

