

Minors/Certificates



MINORS

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

Accounting
 Administrative Systems Management
 Aerospace Studies
 Agriculture
 Anthropology
 Archaeology
 Architectural Design
 Art/Art History
 Biology
 Botany
 Business Administration
 Chemistry
 Child Life Services
 Child Studies
 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 Merchandising
 Finance
 French
 Geography
 Geoscience
 German
 Gerontology
 Graphic Communications Technology
 Health Promotion
 Historic Preservation
 History
 Horticulture
 Hospitality Management
 Human Resource Management
 Industrial Management
 Information Systems
 Interior Design
 International Business
 International Studies
 Literature
 Management
 Management Information Systems
 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
 Technical Theatre
 TESOL
 Theatre: Acting/Directing
 Theatre: General
 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)
 AC 321 Intermediate Accounting I (3)

Choose 6 Hours AC courses (300-500 level)

**ADMINISTRATIVE SYSTEMS
MANAGEMENT****18 Hours Required****Required Courses:**

- AD 101 Intro to Micro Applications (3)
 AD 222 Micro Appl for Business (3)
 AD 353 Administrative Systems Management (3)
 MG 301 Principles of Management (3)
 MG 252 Business Communication (3)

Choose 3 Hours From:

- AD 210 Business Computing Fundamentals (3)
 AD 331 Advanced Word Processing (3)
 AD 341 Information Systems Procedures (3)
 MG 356 Human Resources Mgt I (3)

AEROSPACE STUDIES**16 Hours Required****Required Courses:**

- AS 100 Foundation of USAF I (1)
 AS 101 Foundation of USAF II (1)
 AS 200 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)

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

AGRICULTURE**15 Hours Required****Required Courses:**

- AO 120 Plant Science (4)
 AY 101 Animal Science (5)

Choose 6 Hours AG, AO, AY, HO courses (300-400 level)

ANTHROPOLOGY**18 Hours Required****Required Courses:**

- AN 181 Intro Cultural Anthropology (3)
 AN 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 General Anthropology Theory (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 General Anthropology Theory (3)

ARCHITECTURAL DESIGN**15 Hours Required****Required Courses:**

- CM 100 Intro to Arch Drafting (3)
 CM 126 Computer Aided Arch Drafting (3)
 CM 226 Residential Arch Drft & Design (3)

Choose 6 Hours From:

- CM 322 Commercial Arch Drft & Design (3)
 HO 330 Landscape Planting Design (3)
 UI 401 American Cultural Landscapes (3)

ART/ ART HISTORY**18 Hours Required***(6 Hours must be 300-500 level)***Required Course:**

AH 210 Art History Survey II (3)

OR

AR 112 Perspectives in Art (3)

Choose 6 Hours From:

AH 110 Art History Survey I (3)

AR 100 Drawing I (3)

AR 104 Design Foundations (3)

AR 106 3-D Foundations (3)

AR 150 Structural Figure Drawing (3)

AR 201 Color Composition (3)

Choose 9 Hours From (Related Courses Encouraged):

AH 310 Classical Art (3)

AH 311 Modern Art (3)

AH 312 Renaissance Art (3)

AH 510 Non-Western Art (3)

AH 511 American Art (3)

AH 512 Contemporary Art (3)

AH 514 Issues in Renaissance Art (3)

AH 516 Issues in Modern Art (3)

AR 302 Printmaking (3)

AR 303 Screenprinting (3)

AR 314 Drawing III: Adv Problems (3)

AR 319 Intro to Graphic Design (3)

AR 320 Watercolor I (3)

AR 322 Typography (3)

AR 324 Digital Art Photography (3)

AR 325 Painting (3)

AR 330 Fibers I (3)

AR 332 Sculpture I (3)

AR 342 Ceramics I (3)

AR 375 Art & New Technology (3)

AR 376 3-D Digital Animation (3)

AR 408 Studio Problems (3)

AR 409 Illustration II (3)

AR 416 Advanced Graphic Design (3)

AR 418 Intro to Web Design (3)

AR 421 Watercolor II (3)

AR 425 Figurative Sculpture (3)

AR 426 Advanced Painting (3)

AR 431 Sculpture II (3)

AR 441 Ceramics II (3)

AR 501 Intaglio Printmaking (3)

AR 502 Lithography Printmaking (3)

AR 520 Figure Painting (3)

AR 530 Fibers II (3)

AR 541 Ceramics III (3)

UI 337 Issues/Modern Architecture (3)

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

BOTANY**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)

BO 200 Plant Biology (3)

Choose 6 Hours From:

BI 384 Readings in Biology (1)

BI 485 Topics in Biology (3)

BI 493 Readings in Biology (2)

BI 589-591 Biological Research (1-3)

BO 361 Systematic Botany (3)

BO 420 Ethobotany (3)

BO 445 Plant Physiology (3)

BO 461 Native Aquatic Plants (3)

BO 469 Field Botany (2)

BUSINESS ADMINISTRATION**30 HOURS REQUIRED****(For non-Business majors only)***Required Courses:**

AC 221 Princ of 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)

MA 139 Applied Calculus (3)

MG 301 Principles of Management (3)

MI 375 Management Info Systems (3)

MK 301 Principles of Marketing (3)

QM 257 Business Statistics (3)

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

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

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

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

- CF 509 Child Life Services (3)
 CF 560 Child Life Services Practicum (6)
 HL 120 Health Perspectives (3)

OR

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

Choose One 6 Hour Option**OPTION I (For Psych/other majors)**

- CF 290 Preschool Participation (2)
 CF 291 Preschool Participation Lab (1)
 CF 409 School Age Child Care (3)
 EX 200 Intro to Exceptional Child (3)

OPTION II (For Child Devel/other majors)

- PY 222 Development of Adolescent (3)
 PY 250 Applied Psychology (3)
 PY 329 Psychology of Death & Dying (3)
 PY 444 Childhood Psychopathology (3)

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

CHILD STUDIES**18 Hours Required****Required Courses:**

- CF 120 The Child (3)
 CF 200 Guiding Altern/Young Children (3)
 CF 290 Supervised Participation I (2)
 CF 291 Supervised Participation Lab (1)

Choose 3 Hours From:

- CF 210 Field Exp/Early Chldhd Prgms (3)
 CF 300 Parent Education (3)
 CF 301 Parent Education Lab (1)
 CF 316 Prenatal/Infant Grwth & Stim (3)
 CF 317 Prenat/Infant Grwth & Stim Lab (1)

Choose 6 Hours From:

- CF 126 Facil Devel in Young Children (3)
 CF 312 Org/Mgt of Child Care Centers (3)
 CF 430 Parent/Child Interaction (3)
 CF 501 Preschool Child Practicum (3)
 CF 502 Preschool Children/Comp Tech (3)
 CF 506 Theories/ Issues in Child Devel (3)
 FN 425 Health/Nutr/Safety of Yng Child (3)

COACHING**21 Hours Required****Required Courses:**

- CG 470 Practicum in Coaching (3)
 PE 220 First Aid (2)
 PE 235 Psych/Coaching & Hum Perfrm (3)
 PE 341 Physiology of Conditioning (3)
 PE 460 Sports Administration I (3)
 SM 540 Leg Aspects/Sport & Phys 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 284 Photography Fundamentals (3)
 GM 285 Commercial Photography Lighting (3)
 GM 286 Commercial Studio Photography (3)
 GM 384 Commercial Photography (3)
 GM 385 Non-Linear Video Editing (3)

COMMUNICATION DISORDERS**18-19 Hours Required**

- CD 225 Phonetics (4)
 CD 230 Intro to Comm Disorders (4)
 CD 340 Normal Spch & Lang Develop (3)
 CD 406 Svc Delivery in Comm Disorders (4)

Choose 3-4 Hours from:

- CD 371 Anatomy & Phys of Hearing Mech (3)
 CD 411 Nature of Assmnt/Intv Spch & Language (4)
 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 160/161 Intercollegiate Debate (2)
 SC 310 Speech Writing (3)
 SC 335 Interviewing (3)
 SC 400 Advanced Debate (3)
 SC 406 Negotiation & Conflict Mgmt (3)
 UI 345 Nonverbal Communication (3)
 UI 423 Political Communication (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 160/161 Intercollegiate Debate (2)
 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 400 Advanced Debate (3)
 SC 406 Negotiation & Conflict Mgmt (3)
 SC 482 Special Problems in Comm Studies (3)
 SC 505 Criticism of Am Public Address (3)
 SC 510 Leadership & Team Building (3)
 SC 560 Organizational Communication (3)
 UI 301 Managerial Communication Processes (3)
 UI 345 Nonverbal Communication (3)
 UI 423 Political Communication (3)

COMPANION ANIMALS

20 Hours Required

- AY 101 Animal Science (5)
 AY 200 Companion Animals (3)
 AY 205 Horse Science (3)
 AY 304 Principles of Animal Nutrition (3)
 AY 305 Advanced Horse Science (3)
 PY 311 Animal Breeding (3)

COMPUTER NETWORKING

15 Hours Required

- TN 100 Networking Fund & Router Tech (3)
 TN 101 Netwrk Design & Advanced Routing (3)
 TN 255 Microcomputer Maint & Trblshtng (3)
 TN 395 Server Maint & Trblshooting (3)
 TN 425 Wireless Comm & Mobile Data Network (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

21 Hours Required

Required Courses:

- SO 205 Social Problems in America (3)
 SO 240 Interpretation of Data (3)

OR

- xx xxx Any statistics course (3)
 SO 360 Criminology (3)
 SO 375 Collective Behavior (3)

OR

- SO 444 Deviant Social Behavior (3)

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

- BL 255 Legal Environment of Business (3)
 CJ 220 Criminal Law (3)
 PS 390 The American Judicial System (3)
 PS 490 Constitutional Law (3)
 PY 359 Psychology & the Law (3)

Deviance & the Individual

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

Social Problems & Applied Criminology

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

DANCE**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 186 Swing 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 436 Tap Dance III (2)
 DA 471 Ballet IV (2)
 DA 481 Modern Dance (2)
 DA 486 Jazz Dance IV (2)
 DA 487 Jazz Dance V (2)
 DA 488 Jazz Dance VI (2)
 DA 496 Tap Dance IV (2)
 TH 155 Makeup (3)
 TH 251 Costume Construction (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 194 Fund of Progr Logic Controllers (3)
 ET 245 Logic Circuits (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 Entrepreneurship (3)
 BA 521 Topics in Entrepreneurship (3)
 BA 561 Entrepr Planning & Strategy (3)
 MG 301 Principles of Management (3)
 MK 301 Principles of Marketing (3)

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 (4)
 AO 215 Soils (3)
 BS 108 Biology for Living (3)
 CH 234 Organic & Biological Chemistry (3)
 GO 305 Environmental Geoscience (3)
 GO/EV 365 Environmental Soil Science (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)
 UI 387 Environmental Law & Public Policy (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 Mgmt (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 I (5)
 MA 134 College Algebra (3)

FAMILY ECONOMICS AND MANAGEMENT**15 Hours Required****Required Courses:**

- CF 512 Family & Comm Resources (3)
 FE 200 Family Resource Management (3)
 FE 514 Family Financial Management (3)
 UI 355 Consumer & the Market (3)

Choose a Minimum of 3 Hours From:

- FE 313 Management Practicum (2)
 HE 317/318/319 Field Experience (1-3)

FAMILY STUDIES**17 Hours Required****Required Courses:**

- CF 102 Personal & Family Relationships (2)
 CF 209 Intro to Family Systems (3)

- CF 402 Marriage Interaction (3)
- CF 430 Parent-Child Interaction (3)
- CF 512 Family & Comm Resources (3)

Choose 3 Hours:

- FE 200 Mgt of Family Resources (3)
- HL 120 Health Perspectives (3)
- PY 325 Psych Devel of the Family (3)
- UI 317 Human Sexuality (3)

FASHION MERCHANDISING

18 Hours Required

Required Courses:

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

Choose 6 Hours From:

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

FINANCE

15 Hours Required

Required Courses:

- FI 361 Financial Management (3)
- FI 364 Modern Financial Institution (3)
- FI 368 Investments (3)

Choose 6 Hours FI courses (300-500 level)

OR

- AC 375 Financial Statement Analysis (3)

AND

- FI xxx (300-500 level) (3)

FRENCH

18 Hours Required

Required Courses:

- FR 100 French Language & Culture I (3)
- FR 120 French Language & Culture II (3)
- FR 200 French Language & Culture III (3)
- FR 220 French Literature (3)

Choose 6 Hours FR courses (300-500 level)

GEOGRAPHY

15 Hours Required

- GG 150 Peoples & Places of the World (3)
- GG 180 Cultural Geography (3)
- UI 307 Economic Geography (3)
- UI 401 Amer Cultural Landscapes (3)

Choose 3 Hours From:

- GG 170 European Peoples & Civ (3)
- GG 181 Cultural Heritage Travel: An Intro (3)
- GG 320 Political Geography (3)
- GG 497 Geography Internship (3-12)
- GG 561-563 Advanced Topics in Geog (1-3)
- UI 308 Cultural & Phys Landscapes (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)
- FN 520 Nutrition in the Later Years (3)
- HL 510 Health Concerns of Aging (3)
- PY 525 Maturity & Aging (3)

OR

- PY 329 Psychology of Death & Dying (3)
- UI 430 Aging Successfully (3)

GRAPHIC COMMUNICATIONS TECHNOLOGY

21 Hours Required

Required Courses:

- GM 180 Intro to Indus Graphics (3)
 GM 284 Photography Fundamentals (3)
 IM 102 Technical Communication (3)
 MN 120 Fund of Engr Design Processes (3)

Choose 9 Hours From One Option:

OPTION I

- GM 200 Vect & Bitmp Graph for Indus (3)
 GM 320 Electronic & Internet Publishing (3)
 GM 386 Interactive Multimedia & Animation (3)

OPTION II

- CM 226 Residential Arch Drft & Design (3)
 CM 322 Comm Arch Drft & Design (3)
 CM 343 Constr Surveying & Testing (3)

OPTION III

- GM 326 Advanced Production Drafting (3)
 MN 221 Solid Modeling & Rapid Prototyping (3)
 MN 324 Design Modeling & Processes (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 300-500 level)

- AH 511 History of American Art (3)
 HP 405 Archives & Spec Collec Studies (3)
 HP 410 Museum Studies (3)
 HP 420 Historic Site Admin (3)

- HP 450 Problems in Hist Pres (3)
 HP 588 Leg/Econ Princ of Historic Pres (3)
 UI 313 African American Experience (3)
 US 210 Women in American History (3)
 US 220 American Folklore (3)
 US 525 American Urban History (3)

HISTORY

21 Hours Required

Required Course:

- GH 315 Historiography (3)

Choose 9 Senior Level Hours From:

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

Choose 3 Additional Senior Level Hours From:

Any EH, GH, US OR WH 300-599 level or approved departmental UI course

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

HORTICULTURE

15 Hours Required

Required Courses:

- HO 130 Intro to Horticulture (3)
 HO 230 Advanced Horticulture (3)
 HO xxx Horticulture electives, with at least 6 hours at the 300-500 level (9)

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 Human Resource Management I (3)
 MG 446 Human Resource Management II (3)

Choose 6 Hours From:

- BA 361 Entrepreneurship (3)
- MG 354 Topics in Management Comm (3)
- MG 362 Management Skills (3)
- MG 456 Topics in Human Resource Mgt (3)
- MG 457 Topics in Organizational Behvr (3)
- MG 462 Organization Theory & Design (3)
- MG 470 Leadership in Management (3)
- MG 548 Project Management (3)
- MG 550 Improving Team Performance (3)
- MG 560 International 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 130 Visual Basic Programming I (3)
- IS 175 Information Systems I (3)
- IS 275 Information Systems II (3)

Choose 6 hours of IS or CS prefix courses at the 300-500 level**INTERIOR DESIGN****18 Hours Required****Required Courses:**

- HI 104 Housing & Interior Design I (3)
- HI 224 Design Illustration (3)
- HI 230 Residential Interior Design I (3)
- HI 430 Residential Interior Design II (3)
- HI 532 History of Furniture II (3)

Choose 3 Hours From:

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

INTERNATIONAL 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)

INTERNATIONAL STUDIES**21 Hours Required**

Intermediate foreign language competency required
Significant exposure to another culture (3)

Choose 9 Hours From the Following:

- AN 101 Observing Other Cultures (3)
- GG 150 People & Places of the World (3)
- PS 104 Comparative Political Systems (3)
- RS 101 World Religions (3)
- SC 215 Intercultural Communication (3)

Choose 3 Hours From:

- GG 320 Political Geography (3)
- PS 280 Intro to Global Issues (3)
- PS 355 Less Developed Nations (3)
- PS 380 International Organizations (3)
- PS 570 Comparative Government (3)
- PS 580 International Politics (3)
- PS 595 International Law (3)
- UI 307 Economic Geography (3)
- UI 326 Australian Culture (3)
- UI 347 Living in a Global Society (3)
- UI 402 Music in World Culture (3)
- UI 447 Globalism & Justice (3)

Choose 6 Hours of Electives From an Approved List

(See Liberal Arts Advising Center for Approved List of Electives)

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 362 Management Skills (3)

Choose 9 Hours From:

BA 361 Entrepreneurship (3)

MG 354 Topics in Management Communication (3)

MG 356 Human Resource Management I (3)

MG 446 Human Resource Management II (3)

MG 457 Topics in Organizational Behavior(3)

MG 462 Organization Theory & Design (3)

MG 470 Leadership in Management (3)

MG 548 Project Management (3)

MG 550 Improving Team Performance (3)

MG 560 International Management (3)

MI 410 Business Database Systems (3)

MANAGEMENT INFORMATION SYSTEMS**15 Hours Required****Required Courses:**

MI 375 Management Information Systems (3)

MI 410 Bus Database Systems (3)

MI 420 Telecommunications Mgmt (3)

MI 445 Systems Analysis & Design (3)

Choose 3 Hours From:

AC 330 Acctg Info Systems (3)

AD 339 Network Support Systems (3)

MI 430 Knowl-Bsd Dec Sprt Syst for Mgmt (3)

MI 575 Information Technology Mgmt (3)

MARKETING: INTEGRATED MARKETING COMMUNICATIONS**15 Hours Required****Required Courses:**

MK 301 Principles of Marketing (3)

MK 341 Public Relations (3)

MK 342 Professional Selling (3)

MK 343 Advertising & Promotion (3)

MK 443 Integrated Mktg Comm Practicum (3)

MARKETING: 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 and MK 449 (3)

MARKETING: RETAIL MANAGEMENT**15 Hours Required****Required Courses:**

MK 301 Principles of Marketing (3)

MK 343 Advertising & Promotion (3)

MK 349 Retail Management (3)

Choose 6 hours of MK courses except MK 345 and MK 449

MARKETING: SALES MANAGEMENT**15 Hours Required****Required Courses:**

MK 301 Principles of Marketing (3)

MK 342 Professional Selling (3)

MK 344 Consumer Behavior (3)

MK 447 Sales Management (3)

Choose any MK elective except MK 345 and MK 449

MASS COMMUNICATION**18 Hours Required**

(A grade of 'C' or better is required for each course within the minor.)

Required Courses:

MC 101 Mass Communication & Society (3)

MC 401 Communication Law (3)

UI 382 Hist & Phil/Amer Mass Media (3)

Choose 9 Hours of MC Courses. (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)

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**18Hours 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 502 Nutrition II (3)

FN 525 Nutrition Counseling (3)

HE 520 Tech Tchg Ntr & Health Ed (3)

**OUTDOOR ADVENTURE
LEADERSHIP****20 Hours Required**

RC 119 Outdoor Adventure Special Topics (1-3)

RC 220 Leadership & Group Dynamics (3)

RC 250 Found of Outdoor Recreation (3)

RC 316 Special Topics in Health & Leisure (1-3)

RC 440 Facilitation of Grp Developmnt (3)

RC 450 Outdoor Adventure as Treatment (3)

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 450 Organizations as Open Systems (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 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 525 Maturity & Aging (3)

Choose 3 Hours From:

PY 432 Intro to Personality (3)

PY 440 Abnormal Psychology (3)

PY 441 Intro to Clinical Psychology (3)

Choose 3 Hours From:

PY 250 Applied Psychology (3)

PY 251 Industrial/Organizational Psychology (3)

PY 358 Social Psychology (3)

PSYCHOLOGY: PSYCHOLOGICAL SERVICES**18 Hours Required****Required Courses:**

PY 102 Introduction to Psychology (3)

PY 432 Intro to Personality (3)

PY 440 Abnormal Psychology (3)

Choose 9 Hours From:

PY 358 Social Psychology (3)

PY 359 Psychology & the Law (3)

PY 441 Intro to Clinical Psychology (3)

PY 442 Psychotherapy (3)

PY 543 Clinical Psychopharmacology (3)

PY 444 Childhood Psychopathology (3)

PY 531 Psychological Testing (3)

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 275 Intro to Creative Writing (3)
 EN 311 Pract in Editing Lit Manuscript (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 Electronic Publishing (3)
 MC 310 Advertising Comm Strategies (3)
 MK 301 Princ of Mktg (3)

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

- CJ 440 Thrries/Methods of Offndr Rehab (3)
 SR 444 Trtmt Strat: Alch/Drug Abuse (3)
 SR 448 Juv Just Trtmt/Intervention Strat (3)
 SW 110 Intro to Social Work (3)

OR

- RC 260 Intro to Therapeutic Recreation (3)

Choose 3 Hours From:

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

Choose 6 Hours From:

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

SOCIAL WORK**15 Hours Required****Required Courses:**

- SW 110 Intro to Social Work (3)
 SW 207 Undrstndng Cultrl/Soc Diversity (3)

Choose 3 Hours From:

- SW 351 Child Welfare (3)
 SW 352 Social Work with the Aged (3)
 SW 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 200 Intro to Social Organization (3)

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

SOILS

16 Hours Required

Required Courses:

AG 551 Water Management (3)

AO 120 Plant Science (4)

AO 215 Soils (3)

AO 427 Soil Fertility & Plant Nutrition (3)

AO 555 Soil Classification/Resource Mgt (3)

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)

TECHNICAL THEATRE

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 265 Drawing for the Theatre (3)

TH/DA 305 Rehearsal & Production (1)

Choose 6 Hours From:

TH 331 Stagecraft II (3)

TH 350 Stage Lighting I (3)

TH 351 Costume Design I (3)

TH 361 Scene Painting (3)

TH 371 Scenic Design I (3)

TH 375 Theatre Management (3)

TH 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)

TESOL

21 Hours Required

EN 378 Grammars of English (3)

EN 486 Sociolinguistics (3)

TL 525 Theories of Lang/Learn/Teach (3)

TL 425 Develop Mats & Assess Tools for ESOL Classroom (3)

TL 530 Practicum in TESOL (3)

TL 585 Methods/Techniques of TESOL (3)

UI 501 Principles of Language (3)

THEATRE: ACTING/DIRECTING

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)

TH 316 Acting II (3)

Choose 6 Hours From:

TH 385 Directing I (3)

TH 416 Acting III (3)

TH 431 Stage Combat II (3)

TH 485 Directing 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 Theatre Management (3)
- TH 385 Directing I (3)
- TH 395 Period & Style (3)
- TH 485 Directing II (3)
- TH 490 Theatre History I (3)
- TH 495 Theatre History 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 210 Women in American History (3)

WRITING

15 Hours Required

Required Courses:

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

Choose 6 Hours From One Option:

EXPOSITORY WRITING

- EN 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 485 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 is applicable toward later completion of a degree. Students completing a short-term program are awarded appropriate certificates at that semester's graduation ceremony.

TWO-YEAR ADMINISTRATIVE ASSISTANT CERTIFICATE PROGRAM

60 Hours Required

Required Courses – 18 Hours:

- AD 101 Intro to Micro Applications (3)
- AD 210 Business Computing Fundamentals (3)
- AD 222 Microcomp Appl for Business (3)
- AD 331 Advanced Word Processing (3)
- AD 341 Information Systems Procedures (3)
- EN 100 English Composition I (3)
- EN 140 Rhetoric & Critical Thinking (3)
- MG 252 Business Communication (3)
- PY 101 Psych Perspect/Human Behavior (3)
- SC 105 Fund of Oral Communication (3)
- UI 100 First Year Seminar (3)

Choose 15 Hours From:

- AC 221 Prin of Accounting I(3)
- AD 337 Admin Systems Mgt Internship (3)
- AD 339 Network Support Systems (3)
- AD 353 Admin Systems Management (3)
- BL 255 Legal Environment of Business (3)
- CJ 100 Intro to Criminal Justice (3)
- ET 100 Netwrkng Fund & Router Tech (3)
- ET 101 Network Design & Adv Routing (3)
- GM 282 Electronic Publishing (3)

Choose one course from each of the following categories:

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

DESIGN DRAFTING CERTIFICATE PROGRAM**66 Hours Required****Required Courses:**

- CH 180 Chemistry in Our World (3)
- CM 126 Computer Aided Arch Drafting (3)
- CM 226 Residential Arch Drft & Design (3)
- CM 322 Commercial Arch Drft & Design (3)
- EN 100 English Composition I (3)
- ET 160 Basic Electricity & Electronics (3)
- IM 102 Technical Communication (3)
- IM 301 Industrial Safety Supervision(3)
- MA 133 Plane Trigonometry (3)
- MA 134 College Algebra (3)
- MN 120 Fund of Engr Design Processes (3)
- MN 170 Engineering Matl & Testing (3)
- MN 203 Industrial Materials & Processes I (3)
- MN 204 Industrial Materials & Processes II (3)
- MN 220 Engr Economic Analysis (3)
- MN 221 Solid Modeling & Rapid Prototyping (3)
- MN 324 Design Modeling & Processes (3)
- MN 383 Fluid Power (3)
- PH 106 Physical Concepts (3)
- SC 105 Fund of Oral Communication (3)

Choose 6 Hours of electives**ELECTRONICS PROGRAM****65 Hours Required****Required Courses:**

- EN 100 English Composition I (3)
- ET 160 Basic Electricity & Electronics (3)
- ET 194 Intro to PLCs (3)
- ET 245 Logic Circuits (3)
- IM 102 Technical Communication (3)
- IM 301 Industrial Safety Supervision (3)
- IM 311 Statistical Process Control (3)
- IM 315 Work Measurement (3)
- MA 133 Plane Trigonometry (3)
- MA 134 College Algebra (3)
- MN 260 Tech Computer Programming (3)
- PH 120 Introductory Physics I (5)
- SC 105 Fund of Oral Communication (3)
- TN 254 Fiber Optics & Network Comm (3)
- TN 255 Microcomputer Maint & Trblshtng (3)
- TN 275 Network Fundamentals (3)
- TN 375 Network Routing Protocols & Concepts (3)

Choose 12 Hours of electives**GRAPHIC TECHNOLOGY PROGRAM****63 Hours Required****Required Courses:**

- AR 104 Design Foundations (3)
- AR 201 Color Composition (3)
- AR 317 Communication Graphics (3)
- AR 319 Intro to Graphic Design (3)
- EN 100 English Composition I (3)
- GM 180 Intro to Indus Graphics (3)
- GM 200 Vect & Bitmp Graph for Indus (3)
- GM 282 Elec Publishing & Print Processes (3)
- GM 284 Photography Fundamentals (3)
- GM 285 Commercial Photo Lighting (3)
- GM 286 Commercial Studio Photography (3)
- GM 386 Interactive Multimedia & Animation (3)
- IM 102 Technical Communication (3)
- IM 301 Industrial Safety Supervision (3)
- IM 318 Internship (6)
- MC 201 News Writing (3)
- MC 322 Editing (3)
- MN 120 Fund of Engr Design Processes (3)

Choose 6 Hours of electives