

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
- Communication Disorders
- Communication for Legal Professionals
- Communication Studies
- Computer Networking
- Computer Science
- Criminal Justice
- Criminology
- Dance
- Economics
- Electronic Technology
- Engineering Physics
- Entrepreneurship/Small Business Management
- 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
- Marketing: Marketing Management
- Marketing: Integrated Marketing Communications
- 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 Financial Accounting (3)
- AC 222 Princ of Managerial Accounting (3)
- AC 321 Intermediate Accounting I (3)
- Choose 6 Hours AC courses (300-500 level)

**ADMINISTRATIVE SYSTEMS
MANAGEMENT**

18 Hours Required

Required Courses:

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

Choose 3 Hours From:

135 Minors

Southeast Missouri State University 2006-07

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	USAF Air & Space Power I (1)
AS 201	USAF Air & Space Power II (1)
AS 300	AF Leadership Studies I (3)
AS 301	AF Leadership Studies II (3)
AS 400	National Security Affairs (3)
AS 401	Preparation for Active Duty (3)

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

AGRICULTURE

15 Hours Required

Required Courses:

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

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

ANTHROPOLOGY

18 Hours Required

Required Courses:

AN 181	Intro Cultural Anthropology (3)
AN 241	Intro Linguistic Anthropology (3)
AN 317	Ethnographic Field Methods (3)

Choose 9 Hours From:

AN 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:

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

Choose 6 Hours From:

UI 401	American Cultural Landscapes (3)
HO 330	Landscape Planting Design (3)
HO 530	Home Horticulture (2)
TG 322	Commercial Arch Drft & Design (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 400	Seminar: Readings in 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 202	Drawing II: Human Figure (3)
AR 302	Printmaking (3)
AR 303	Screenprinting (3)
AR 313	New Genre (3)
AR 314	Drawing III: Adv Problems (3)
AR 315	Three Dimensional Design (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 300-500 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 Financial Accounting (3)
AC 222	Princ of Managerial Accounting (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)
--------	-------------------------

137 Minors

Southeast Missouri State University 2006-07

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)

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 4xx	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)

COMPUTER NETWORKING

15 Hours Required

ET 100	Networking Fund & Router Tech (3)
ET 101	Netwrk Design & Advanced Routing (3)
ET 255	Microcomputer Maint & Trblshtng (3)
ET 395	Server Maint & Trblshooting (3)
ET 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 496	Tap Dance IV (2)
TH 155	Makeup (3)
TH 251	Costume Construction (3)

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: 12-14 Hours

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

141 Minors

Southeast Missouri State University 2006-07

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:

IM 102	Technical Communication (3)
TG 120	Computer Aided Eng.Graphics (3)
TG 180	Intro to Indus Graphics (3)
TG 284	Photography Fundamentals (3)

Choose 9 Hours From One Option:

OPTION I

TG 280	Vect & Bitmp Graph for Indus (3)
TG 282	Electronic Publishing (3)
TG 386	Interactive Multimedia & Animation (3)

OPTION II

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

OPTION III

- TG 220 Solid Modeling & Rapid Prototyping (3)
- TG 324 Design Modeling & Processes (3)
- TG 326 Advanced Production Drafting (3)

HEALTH PROMOTION

21 Hours Required

Required Courses:

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

Choose 6 Hours From:

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

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 300-5999 (3)
- US 300-5999 (3)
- WH 300-5999 (3)

Choose 3 Additional Senior Level Hours From:

Any EH, GH, US OR WH 300-5999 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 Small Bus Mgt/New Venture Creation (3)
- MG 354 Topics in Management Skills (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 211 Industrial Safety (3)

143 Minors

Southeast Missouri State University 2006-07

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	Small Bus Mgmt/New Venture Creation (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)

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 449 (3)

MARKETING: INTEGRATED MARKETING COMMUNICATIONS

15 Hours Required

Required Courses:

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

MARKETING: RETAIL MANAGEMENT

15 Hours Required

Required Courses:

MK 301	Principles of Marketing (3)
MK 343	Advertising & Promotion (3)
MK 349	Retail Management (3)

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

MARKETING: SALES MANAGEMENT

15 Hours Required

Required Courses:

MK 301	Principles of Marketing (3)
MK 342	Professional Selling (3)

MK 344	Consumer Behavior (3)
MK 447	Sales Management (3)

Choose any MK elective except MK 345 and MK 449 (3)

MASS COMMUNICATION

18 Hours Required

(A grade of 'C' or better is required for each course within the minor except MC 486 & MC 496 which are credit/no credit courses.)

Required Courses:

MC 101	Mass Communication & Society (3)
MC 401	Communication Law (3)
UI 382	Hist & Phil/Amer Mass Media (3)

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

MATHEMATICS

15 Hours Required

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)

145 Minors

Southeast Missouri State University 2006-07

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	Introductory Physics I (5)
--------	----------------------------

OR

PH 230	General Physics I (5)
PH 121	Introductory Physics II (5)

OR

PH 231	General Physics II (5)
--------	------------------------

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

POLITICAL SCIENCE

15 Hours Required

Required Courses:

PS 103	U.S. Political Systems (3)
--------	----------------------------

OR

PS 104	Comparative Political Systems (3)
PS 240	Intro to Political Science (3)
PS 470	Politics of the Developed World (3)

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

PSYCHOLOGY: APPLIED

18 Hours Required

Required Courses:

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

Choose 9 Hours From:

- PY 251 Indus/Organiz Psychology (3)
- PY 359 Psychology & the Law (3)
- PY 450 Organizations as Open Systems (3)
- PY 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)
- LI 301 Small-Press Publishing (3)
- TG 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)
- MC 310 Advertising Comm Strategies (3)
- MK 301 Princ of Mktg (3)
- TG 282 Electronic Publishing (3)

SOCIAL REHABILITATION AND TREATMENT

21 Hours Required

Required Courses:

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

OR

- RC 260 Intro to Therapeutic Recreation (3)

Choose 3 Hours From:

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

Choose 6 Hours From:

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

SOCIAL WORK

15 Hours Required

Required Courses:

- SW 110 Intro to Social Work (3)
- SW 207 Undrstdng 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 395 Period & Style (3)

TH 450 Stage Lighting II (3)

TH 451 Costume Design II (3)

TH 471 Scenic Design II (3)

TESOL

21 Hours Required

EN 378 Grammars of English (3)

EN 486 Sociolinguistics (3)

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

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

TL 530 Practicum in TESOL (3)

TL 585 Methods/Techniques of TESOL (3)

UI 500 History of the English Language (3)

THEATRE: 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)

149 Certificate Programs

Southeast Missouri State University 2006-07

- 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

(See Dr. Carol Scates, Department of English, for information.)

Required Courses:

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

Choose 9 Hours From:

- LI 587 Women and Madness (3)
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 Financial Accounting (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)
 TG 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

65 Hours Required

Required Courses:

CH 180 Chemistry in Our World (3)
 EN 100 English Composition I (3)
 ET 162 DC Principles & Circuits (3)
 ET 164 AC Principles & Circuits (3)
 MA 133 Plane Trigonometry (2)
 MA 134 College Algebra (3)
 MN 170 Engineering Matl & Testing (3)
 MN 203 Industrial Materials & Processes I (3)
 MN 204 Industrial Materials & Processes II (3)
 MN 354 Computer Aided Manuf (CAM) (3)
 MN 383 Fluid Power (3)
 PH 106 Physical Concepts (3)
 SC 105 Fund of Oral Communication (3)
 TG 120 Computer Aided Eng.Graphics (3)
 TG 125 Print Reading for Industry (3)
 TG 220 Solid Modeling & Rapid Prototyping (3)
 TG 226 Residential Arch Drft & Design (3)
 TG 322 Commerical Arch Drft & Design (3)
 TG 324 Design Modeling & Processes (3)
 TG 326 Advanced Production Drafting (3)

Choose 6 Hours of electives

ELECTRONICS PROGRAM

64 Hours Required

Required Courses:

EN 100 English Composition I (3)
 ET 162 DC Principles & Circuits (3)
 ET 164 AC Principles & Circuits (3)
 ET 194 Intro to PLCs (3)
 ET 245 Logic Circuits (3)
 ET 260 Electr Circ Design/Analysis I (3)
 ET 264 Industrial Electronics (3)
 ET 468 Industrial Controls (3)
 IM 102 Technical Communication (3)
 IM 211 Industrial Safety Supervision (3)
 IM 311 Statistical Process Control (3)
 IM 315 Work Measurement (3)
 MA 133 Plane Trigonometry (2)
 MA 134 College Algebra (3)
 MN 260 Tech Computer Programming (3)
 PH 120 Introductory Physics I (5)
 SC 105 Fund of Oral Communication (3)

Choose 12 Hours of electives

GRAPHIC TECHNOLOGY PROGRAM

63 Hours Required

Required Courses:

AR 104 Design Foundations (3)
 AR 201 Color Composition (3)
 AR 317 Communication Graphics (3)
 AR 319 Intro to Graphic Design (3)
 EN 100 English Composition I (3)
 IM 102 Technical Communication (3)
 IM 211 Industrial Safety Supervision (3)
 IM 318 Internship (6)
 MC 201 News Writing (3)
 MC 322 Editing (3)
 TG 120 Computer Aided Eng.Graphics (3)
 TG 180 Intro to Indus Graphics (3)
 TG 280 Vect & Btimp Graph for Indus (3)
 TG 282 Electronic Publishing (3)
 TG 284 Photography Fundamentals (3)
 TG 386 nteractive Multimedia & Animation (3)
 TG 482 Multicolor Print Processes (3)
 TG 490 Advanced Graphics Projects (3)

Choose 6 Hours of electives