

Degrees/Majors/Pre-Professional Curricula

BACCALAUREATE DEGREES

The following statements pertain to all baccalaureate degrees:

- The University Studies Program, consisting of 48 hours, is required.
- A minimum of 56 hours must be earned at an accredited senior college or university.
- A minimum of 30 hours must be completed in residence at Southeast.
- A minimum of 30 hours of senior college courses (300-599) must be completed after completion of 45 hours.
- No more than one-half of the junior college and one-half of the senior college work on a major or minor may be taken by correspondence and/or extension.
- The student's last term must be completed at Southeast, except that, in the case where six or fewer hours are needed to meet the total number of hours required for graduation, they may be taken at another accredited college or university, or by extension or correspondence subject to the rules governing extension courses and transfer of credit.
- A minimum of 124 hours of undergraduate degree credit (courses numbered 100-599) is required.
- A minimum cumulative GPA of 2.0 is required for graduation, except for the B.S. in Education, the B.S. in Family and Consumer Sciences Education, the Bachelor of Music Education, the major in Communication Disorders, and the major in Interdisciplinary Studies, which require a 2.5 GPA for graduation and the major in Social Work which requires a 2.25 GPA for graduation.
- A minimum 2.0 GPA for all of the degree credit attempted at Southeast is required.
- For all degrees which require a major, a minimum 2.0 GPA must be earned in those courses counted on the major, except for Business Administration majors which require a 2.25 GPA, majors on the Secondary Education degree, and the Health Management major which require a 2.5 GPA, the Communication Disorders major which requires a 2.75 GPA, and the 2-Dimensional and 3-Dimensional Art majors and BFA-Performing Arts major and all Music majors which require a 3.0 GPA.

- A minimum 2.0 GPA must be earned in those courses completed at Southeast that are counted on the major.
- When applicable, a course may be counted toward more than one requirement, e.g., University Studies, major and minor.
- The student must pass EN 099 or EN 110; and MA 095 or score at the appropriate levels on placement tests to have the courses waived.

NOTE: There may be additional specific graduation requirements for individual programs. Further information is available in the College Advising Offices.

Majors

DEGREES/MAJORS

The Colleges of the University and the Schools of Polytechnic Studies and University Studies offer majors in many fields to meet the diverse needs of its student population. Information regarding degrees and majors is available from the individual departments and from the following Advising Centers:

- Donald L. Harrison College of Business (Bus)
Dempster Hall, room 104
Telephone (573) 651-5090
- College of Education (Ed)
Scully Building, room 304
Telephone (573) 651-2412
- College of Health & Human Services (H&HS)
Academic Hall, room 104
Telephone (573) 651-2015
- College of Liberal Arts (Lib Arts)
Academic Hall, room 104
Telephone (573) 651-2007
- College of Science & Mathematics (Sci&Math)
Rhodes Hall, room 102D
Telephone (573) 651-2173
- School of Polytechnic Studies (Polytech)
Seabaugh Polytechnic Building, room 301
Telephone (573) 986-6746
- School of University Studies
Academic Hall, room 104
Telephone (573) 986-7328

The requirements for the majors are listed alphabetically under the appropriate degree:

- Bachelor of Arts (BA)
- Bachelor of General Studies (BGS)
- Bachelor of Science (BS)
- Bachelor of Science in Bus Admin (BSBA)
- Bachelor of Science in Education (BSED)

Bachelor of Family & Consumer Sciences
Education (BFCSE)
Bachelor of Fine Arts (BFA)
Bachelor of Music Education (BME)
Bachelor of Music (BM)
Bachelor of Science in Nursing (BSN)
Associate degrees (AAS)

NOTE: A maximum of 30 semester hours of business courses (AC, AD, BA, BL, FI, MG, MK prefixes) may be taken by nonbusiness majors.

| Major/Degree | College/Department |
|--------------------------------------|--------------------------------|
| Accounting/BSBA..... | Acct & MIS/Bus |
| Administrative Systems Mgt/BSBA..... | Acct & MIS/Bus |
| Advertising..... | (see Mass Communication) |
| Agribusiness/BS..... | Agriculture/Polytech |
| Agribusiness | |
| Animal Science | |
| Horticulture | |
| Agriculture/BS..... | Agriculture/Polytech |
| Agriscience | |
| Plant & Soil Science | |
| Animal Science..... | (see Agriculture) |
| Anthropology/BA..... | For Lang & Anthro/Lib Arts |
| Applied Computer Science/BS..... | Computer Sci/Sci & Math |
| Interdisciplinary Applications | |
| Information Systems | |
| Technology | |
| Art/BA, BFA, BSED..... | Art/Lib Arts |
| Athletic Training..... | (See Health Management) |
| Biology/BS, BSED..... | Biology/Sci&Math |
| Business Education/BSED..... | Acct & MIS/Bus |
| Chemistry/BA, BS, BSED..... | Chemistry/Sci&Math |
| Child Care & Guidance/AAS..... | Human Envir. Studies/H&HS |
| Child Development..... | (see Human Envir. Studies) |
| Communication Disorders/BS..... | Comm Disorders/H&HS |
| Computer Science/BS..... | Computer Sci/Sci&Math |
| Computer Systems | |
| Computational Systems | |
| Graphical Systems | |
| Computer Technology/AAS..... | Industrial Technology/Polytech |
| Corporate Communication/BS..... | Communication/Lib Arts |
| Corporate Video..... | (see Mass Communication) |
| Criminal Justice/BS..... | Crim Justice & Sociology/H&HS |
| Corrections | |
| Law Enforcement | |
| Security Management | |
| Dietetics..... | (see Human Envir. Studies) |
| Early Childhood Educ/BSED..... | Early, Elem & Special Educ/Ed |
| Earth Science/BSED..... | Geosciences/Sci&Math |
| Economics/BS..... | Economics & Finance/Bus |
| Economics/BSBA..... | Economics & Finance /Bus |
| Business Economics | |
| Financial Economics | |
| Electronics..... | see Industrial Technology |
| Elementary Education/BSED..... | Erly, Elem & Special Educ/Ed |

Engineering Physics/BS.....Physics & Engr Physics/Sci&Math

 Applied Physics & Engineering
 Computer Applications in Physics & Engineering
English/BA, BSED.....English/Lib Arts
 Literature
 Writing

Environmental Science/BS.....Environmental Sci/Sci&Math
Exceptional Child Educ/BSED.....Erly, Elem & Special Educ/Ed

Family & Consumer Sciences...Human Envir. Studies/H&HS
 Educ/FCSE

Family Life.....(see Human Envir. Studies)

Fashion Merchandising.....(see Human Envir. Studies)

Finance/BSBA.....Economics & Finance /Bus

Fine Arts/BFA.....Art/Lib Arts

Foodservice & Hospitality Mgt/BS.....Human Envir. Stud-

 ies/H&HS

French/BA, BSED.....For Lang & Anthro/Lib Arts

General Studies/BGS.....College Advising Center/Lib

 Arts

Geography/BS.....For Lang & Anthro/Lib Arts

Geoscience/BS.....Geosciences/

 Sci&Math

German/BA, BSED.....For Lang & Anthro/Lib Arts

Health Management/BS.....Health, Hum Perf & Rec/

 H&HS

 Athletic Training

 Exercise Science

 Health Promotion

Historic Preservation/BS.....History/Lib Arts

History/BA.....History/Lib Arts

Human Environmental Studies/BS.....Human Envir. Stud-

 ies/H&HS

 Child Development

 Dietetics

 Family Life

 Fashion Merchandising

 Housing & Interior Design

Horticulture.....(see Agribusiness)

Housing/Interior Design.....(see Human Environ. Studies)

Human Resource Management.....(See Management)

Industrial Management.....(see Industrial Technology)

Industrial Education/BSED.....Industrial Technology/Poly-

 tech

Industrial Technology/BS.....Industrial Technology/Polytech

 Construction Management and Design

 Electronics & Computer Technology

 Industrial Management

 Technical Graphics

 Technology

Interdisciplinary Studies/BS.....School of University Stud-

 ies

International Business/BSBA.....Harrison College of Business

Journalism.....(see Mass Communication)

Management/BSBA.....Mgmt & Mktg/Bus

 Human Resource Management

 Operations Management

 Organizational Leadership

Management Info. Systems/BSBA.....Acct & MIS/Bus
 Manufacturing Engineering Tech...(See Industrial Technology)
 Marketing/ BSBA.....Mgmt & Mktg/Bus
 Integrated Marketing Communication
 Marketing Management
 Mass Communication.....Communication/Lib Arts
 Advertising/BS
 Corporate Video/BS
 Journalism/BA
 Media Studies/BA
 Public Relations/BS
 Radio/BS
 Mathematics/BS.....Mathematics/Sci&Math
 Pure Mathematics
 Applied Mathematics & Statistics
 Mathematics/BSE.....Mathematics/Sci&Math
 Media Studies.....(see Mass Communication)
 Medical Technology/BS.....Chemistry/Sci&Math
 Middle School Education.....Middle & Secondary Ed/Ed
 Music/BA.....Music/Lib Arts
 Music/BM.....Music/Lib Arts
 Instrumental Performance
 Vocal Performance
 Composition
 Music Education/BSE.....Music/Lib Arts
 Instrumental
 Vocal
 Nursing/BSN.....Nursing/H&HS
 Operations & Information Mgt.....(See Management)
 Organizational Administration/BSBA.....Harrison College of
 Business
 Organizational Leadership.....(See Management)
 Performing Arts/BFA.....Theatre & Dance/Lib Arts
 Philosophy/BA.....Pol Sci, Phil & Religion/Lib Arts
 Physical Education, PK-12/BSED...Health, Hum Perf & Rec/
 H&HS
 Physics/BS, BSED.....Physics & Engr Physics/Sci&Math
 Political Science/BA, BS.....Pol Sci, Phil & Religion/Lib Arts
 Psychology/BS.....Psychology/Lib Arts
 Public Relations.....(see Mass Communication)
 Radio.....see Mass Communication)
 Recreation/BS.....Health, Hum Perf & Rec/H&HS
 Secondary Education.....(see specific major)
 Social Studies/BSED.....History/Lib Arts
 Social Work/BS.....Social Work/H&HS
 Sociology/BA, BS.....Crim Justice & Sociology/Lib Arts
 Spanish/BA, BSED.....or Lang & Anthropology/Lib Arts
 Speech Communication/BA.....Cmmunication/Lib Arts
 Forensic Communication
 Interpersonal & Small Group Communication
 Organizational Communication & Social Influence
 Public Communication
 Speech Education/BSED.....Communication/Lib Arts
 Sports Management/BS.....Health, Hum Perf & Rec/H&HS
 Sports Medicine.....(see Health Management)
 Technical Graphics(see Industrial Technology)
 Theatre/BA.....Theatre & Dance/Lib Arts
 Video, Corporate.....(see Mass Communication)

Bachelor of Arts Majors

BACHELOR OF ARTS DEGREE

Primarily for students who major in the arts, language, or literature, history and certain social sciences; often selected as a pre-professional degree by those who wish a broad education.

The areas from which majors must be chosen are:

Anthropology

Art

Chemistry

English

Options:

Literature

Writing

French

German

History

Mass Communication

Options:

Journalism

Media Studies

Music

Philosophy

Political Science

Sociology

Spanish

Speech Communication:

Options:

Forensic Communication

Interpersonal & Small

Group Communication

Organizational Comm.& Social

Influence

Public Communication

Theatre

ANTHROPOLOGY

36 Hour Major - Minor Required

Required Courses:

| | |
|------------|--|
| AN 180 | Introductory Anthropology: Physical Anthropology & Archaeology (3) |
| AN 181 | Intro to Cultural Anthropology (3) |
| AN 241 | Intro Linguistic Anthropology (3) |
| AN 311-313 | Archaeologic Fieldwork (1-6, 3 hours required) |
| | OR |
| AN 331-333 | Applied Anthropology (1-6, 3 hours required) |

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| | |
|--------|---|
| AN 317 | Ethnographic Field Methods (3) OR |
| AN 345 | Methods of Social Research (3) |
| AN 380 | Human Evolution & Adaptation (3) |
| AN 382 | Archaeology: Method & Theory (3) |
| AN 493 | General Anthropological Theory (3) |
| SO 242 | Statistics for Social Scientists (3) |

Choose 6-9 Hours in Anthropology or Other Courses (As Approved by Advisor)

Additional Requirement:

| | |
|--------|--|
| xx xxx | 12 Hours in One or Two Foreign Languages (All Options) |
|--------|--|

ART

36-56 Hour Major - Minor Required
(see also Bachelor of Fine Arts degree)

Required Courses:

| | |
|--------|------------------------------|
| AR 001 | Freshman Core Review (0) |
| AH 110 | Art History Survey I (3) |
| AH 210 | Art History Survey II (3) |
| AR 100 | Drawing I (3) |
| AR 104 | Design Foundations (3) |
| AR 106 | 3D Foundations (3) |
| AR 201 | Color Composition (3) |
| AR 202 | Drawing II: Human Figure (3) |
| AR 325 | Painting (3) |
| AR 332 | Sculpture I (3) |

Choose 9 Hours Additional Art History Courses (300-500 level)

Choose 1-21 Hour Elective Sequence approved by advisor and two of your other art instructors at your Foundation Review for 36 hour Liberal Arts major. Every year, artwork must be entered in the Juried Student Assessment Exhibition.

CHEMISTRY

30 Hour Major - Minor 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 310 | Intro to Physical Chemistry (5) |
| CH 341 | Organic Chemistry I (4) |
| CH 342 | Organic Chemistry Lab I (1) |
| CH 498 | Professional Presentation in Chem (1) |
| UI 443 | Professional Exp in Chemistry (3) |

Choose 2 Hours of Chemistry Electives

Additional Requirements: 13-15 Hours

| | |
|--------|------------------------------------|
| MA 133 | Plane Trigonometry (2) or HS equiv |
| MA 139 | Applied Calculus (3) |
| PH 120 | Introductory Physics I (5) |
| PH 121 | Introductory Physics II (5) |

ENGLISH

36 Hour Major - Minor Required

Required Courses:

Choose 6 Hours From:

| | |
|--------|--------------------------------|
| EN 201 | Writing About Literature (3) |
| EN 275 | Intro to Creative Writing* (3) |
| EN 376 | Advanced Composition (3) |

***Required for Writing option**

Choose 9 Hours From:

| | |
|--------|---------------------|
| LI 260 | English Lit I (3) |
| LI 261 | English Lit II (3) |
| LI 270 | American Lit I (3) |
| LI 271 | American Lit II (3) |

Choose 3 Hours From:

| | |
|--------|-------------------------|
| LI 311 | World Literature I (3) |
| LI 312 | World Literature II (3) |

Choose 3 Hours From:

| | |
|--------|-------------------------------------|
| EN 486 | Sociolinguistics (3) |
| UI 500 | History of the English Language (3) |
| UI 501 | Principles of Language (3) |

Choose One 15 Hour Option:

LITERATURE OPTION

Choose 3 Hours From:

- LI 525 English Drama Before 1800 (3)
- LI 560 Chaucer (3)
- LI 577 Studies in Early English Lit (3)
- UI 431 Shakespeare Tragedies/Hum Cond (3)
- UI 432 Shakespeare Hist/Comed & Hum-Cond (3)

Choose 3 Hours From:

- LI 475 Early Twentieth-Century British Literature (3)
- LI 526 English Drama After 1800 (3)
- LI 578 Studies in Later English Lit (3)
- LI 580 British Fiction Since the 18th Century (3)
- UI 341 Victorian Studies (3)

Choose 6 Hours From:

- LI 320 African American Writers (3)
- LI 360 Nature Writing (3)
- LI 421 Cross-Cultural Amer Voices (3)
- LI 565 Southern Literature (3)
- LI 568 19th Century American Novel (3)
- LI 569 Classic Amer Novel/20th Century (3)
- LI 570 Modern/Contemp American Novel (3)
- LI 571 Contemporary American Poetry (3)
- LI 576 Cyberpunk Fiction (3)

Choose 3 Hours From:

- LI 350 Greek Drama (3)
- LI 510 Literature & the Bible (3)
- LI 552 Modern Drama (3)
- LI 572 The Modern Essay (3)
- LI 574 Australian Literature (3)
- LI 581 World Novelists (3)
- LI 587 Women and Madness (3)
- UI 332 Images of Women in Literature (3)

WRITING OPTION

Choose 3 Hours From:

- EN 300 Professional Written Communication (3)
- EN 376 Advance Composition*
- EN 535 Rhetorical Theory/Written Discourse (3)
- EN 550 Style in Writing (3)
- LI 572 The Modern Essay (3)

*Unless taken in the core

Choose 3 Hours From:

- LI 360 Nature Writing
- LI 421 Cross-Cultural Amer Voices (3)
- LI 542 Literature for the Young Adult (3)
- LI 565 Southern Literature (3)
- LI 569 Classic Amer Novel/20th Century (3)
- LI 570 Modern/Contemp American Novel (3)
- LI 571 Contemporary American Poetry (3)
- LI 576 Cyberpunk Fiction (3)

Choose 3 Hours From:

- EN 301 Writing for Science & Technology (3)
- EN 311 Literary Manuscript Editing Practicum (3)
- EN 435 Internship in English (3)
- LI 301 Small Press Publishing (3)

Choose 3 Hours From:

- EN 470 Advanced Creative Writing: Poetry (3)
- EN 478 Advanced Creative Writing: Fiction (3)
- EN 515 Writing the Teleplay (3)

Choose 3 additional hours writing course not taken above

Additional Requirements:

- EN 001 Portfolio of Student Writing (All Options)
- xx xxx 9 Hours in One or Two Foreign Languages (All Options)
- OR**
- xx xxx 6 Hours in One Foreign Language

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AND

One of the following*:

| | |
|--------|--------------------------------------|
| AN 241 | Intro to Linguistic Anthropology (3) |
| EN 378 | Grammars of English (3) |
| EN 486 | Sociolinguistics (3) |
| UI 500 | History of the English Language (3) |
| UI 501 | Principles of Language (3) |

***If not taken elsewhere in the major**

FRENCH 36 Hour Major - Minor Required

Required Courses:

| | |
|--------|--------------------------------------|
| FR 001 | French Exit Exam (0) |
| 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) |
| FR 306 | Contemporary France (3) |
| FR 320 | French Pronunciation & Phonetics (3) |

Choose 6 Hours From:

| | |
|--------|------------------------------------|
| FR 310 | Survey of French Literature I (3) |
| FR 311 | Survey of French Literature II (3) |
| FR 410 | Intro to the French Novel (3) |
| FR 415 | 17th Century French Literature (3) |
| FR 420 | 18th Century French Literature (3) |
| FR 425 | 19th Century French Literature (3) |
| FR 430 | 20th Century French Literature (3) |

Choose 6 Hours From:

(Only one course may be selected from each of the areas of composition, conversation, commercial, grammar)

| | |
|--------|--------------------------------------|
| FR 301 | Intermediate French Composition (3) |
| FR 305 | Intermediate French Conversation (3) |
| FR 315 | Commercial French (3) |
| FR 330 | French Grammar (3) |

FR 405 French Advanced Conversation (3)

FR 530 French Adv Comp & Conversation (3)

Choose 6 Hours of FR Electives (300-500 level)

Additional Requirement:

Choose 3 Hours From:

| | |
|--------|-------------------------------------|
| FL 205 | Art of French Cinema (3) |
| GG 170 | European Peoples & Civilization (3) |
| UI 362 | Contemporary French Culture (3) |
| UI 375 | European Film (3) |
| WH 103 | European Civilization (3) |
| WH 366 | Age of French Rev & Napoleon (3) |
| WH 370 | Europe in the 20th Century (3) |
| WH 514 | History of Modern France (3) |

GERMAN 36 Hour Major - Minor Required

Required Courses:

| | |
|--------|-----------------------------------|
| GN 001 | German Exit Exam (0) |
| 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) |
| GN 320 | German Culture & Civilization (3) |

Choose 6 Hours From:

| | |
|--------|---|
| GN 310 | Survey of German Literature I (3) |
| GN 311 | Survey of German Literature II (3) |
| GN 424 | Twentieth-Century German Literature (3) |
| GN 440 | Special Topics: German (3) |

Choose 6 Hours From:

(Only one course may be selected from each of the areas of composition, conversation, commercial, grammar)

| | |
|--------|-------------------------------------|
| GN 301 | Intermediate German Composition (3) |
| GN 305 | Conversational German (3) |

- GN 315 Commercial German (3)
- GN 330 German Grammar (3)
- GN 340 German Phonetics & Pronunciation (3)

Choose 9 Hours of GN Electives (300-500 level)

Additional Requirement:

Choose 3 Hours From:

- AN 101 Observing Other Cultures (3)
- AN 181 Intro to Cultural Anthropology (3)
- AN 241 Intro to Linguistic Anthropology (3)
- AN 260 World Cultures (3)
- AN 390 European Prehistory (3)
- GG 170 European Peoples & Civilization (3)
- UI 375 European Film (3)
- WH 103 Modern European Civ (3)
- WH 370 Europe in the 20th Century (3)
- WH 516 History of Modern Germany (3)
- WH 527 Intellectual History of Europe (3)

HISTORY

39 Hour Major - Minor Required

Required Courses:

- GH 007 BA Portfolio Review (0)
- GH 315 Historiography (3)
- GH 415 Senior Seminar in History (3)

Choose 15 Senior Level Hours From:

- EH xxx (6)
- US xxx (6)
- WH xxx (3)

Choose 6 Senior Level Hours From:

EH, GH, US OR WH prefix courses (6)
Choose an additional 12 Hours of EH, GH, US, WH, HP 100, HP 200 or departmentally approved UI courses (Only 3 Hours UI courses can be counted on major)

Additional Requirement:

- xx xxx 6 Hours in ONE Foreign Language

Choose one of the following options:

- xx xxx 6 Hours in Foreign Language
- SO 242 Statistics for Social Scientists (3)
- AND**
- SO 345 Methods of Social Research (3)
- MA 134 College Algebra (3)
- AND**
- MA 223 Elementary Prob & Stats (3)

MASS COMMUNICATION

34 Hour Major - Minor Required
(A grade of 'C' or better is required for all courses within the major except MC 486 which is a credit/no credit course.)

Required Courses:

- MC 101 Mass Communication and Society (3)
- MC 201 Writing for the Mass Media (3)
- MC 301 Mass Communication Theory & Research (3)
- MC 401 Communication Law (3)
- MC 402 Seminar in Mass Communication (1)
- MC 486 Internship in Mass Communication (3)
- OR**
- MC 491-496 Practicum (3)

Additional Requirements:

- MA 155 Statistical Reasoning (3)
- UI 382 Hist & Phil of American Mass Media (3)

Choose One 15 Hour Option:

JOURNALISM

- MC 320 Reporting (3)
- MC 322 Publication Editing & Production (3)
- MC 324 Feature Writing (3)
- OR**
- MC 426 Sportswriting (3)
- MC 425 Public Affairs Reporting (3)
- OR**
- MC 346 Electronic New Gathering (3)
- MC 428 Editorial Page (3)

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Choose a minor in: Criminal Justice, Finance/Economics, Foreign Language, International Studies, Political Science, Religion, or Theatre Arts.

MEDIA STUDIES

| | |
|--------|---------------------------------|
| MC 310 | Advertising Principles (3) |
| MC 330 | Public Relations Principles (3) |
| MC 340 | Basic Radio (3) |
| MC 351 | Basic Video Production (3) |
| UI 370 | Media Ethics (3) |

Choose a minor in: Business Communication, Foreign Language, International Studies, Philosophy, Sociology, or Writing.

NOTE: Mass Communication majors are limited to 34 hours in MC prefix courses. Of the 90 hours required outside of the major, 65 hours must be from traditional Arts and Science courses. A grade of 'C' or better is required in MA 155 and UI 382.

MUSIC

50-52 Hour Major - Minor Required
(A grade of 'C' or better is required for all courses within the major.)

Required courses for Instrumental & Vocal

Options:

| | |
|--------|---|
| MM 101 | Theories of Music in Culture (3) |
| MM 102 | Basic Harmony & Form (3) |
| MM 105 | Aural Skills I (1) |
| MM 106 | Aural Skills II (1) |
| MM 203 | Adv Harmony, Form & Counterpoint (3) |
| MM 204 | Twentieth Century Techniques (3) |
| MM 207 | Aural Skills III (1) |
| MM 208 | Aural Skills IV (1) |
| MH 251 | History & Lit of Music to 1827 (3) |
| MH 252 | Evolution of Musical Style Since 1827 (3) |
| MP 1XX | Applied Music (2) |
| MP 2XX | Applied Music (2) |
| MP 3XX | Applied Music (2) |
| MU 001 | Piano Proficiency (0) |
| MU 002 | Sophomore Review (0) |
| MU 110 | Recitals & Concerts(six semesters) (0) |
| MU 151 | Functional Piano I (1) |

| | |
|--------|------------------------------------|
| MU 152 | Functional Piano II (1) |
| MU 253 | Functional Piano III (1) |
| MU 254 | Functional Piano IV (1) |
| MU 3xx | Instrumental or Vocal Ensemble (6) |
| UI 310 | American Music Experience (3) |
| UI 402 | Music in World Cultures (3) |

Choose 3 Hours From:

| | |
|--------|---|
| UI 315 | Electronics & Computers in Music (3) |
| UI 392 | The Age of Romanticism (3) |
| UI 393 | The Age of Modernism (3) |
| UI 394 | Music & Culture: 1600-1750 (3) |
| UI 396 | The Age of Beethoven (3) |
| UI 397 | Music in Medieval & Renaissance Culture (3) |

Additional Required Course for Vocal Option:

| | |
|--------|----------------------|
| MU 114 | Singer's Diction (2) |
|--------|----------------------|

Additional Requirement for all BA Music majors:

| | |
|--------|---------------------------------|
| xx xxx | 6 Hours in ONE Foreign Language |
|--------|---------------------------------|

PHILOSOPHY

31 Hour Major - Minor Required

Required Courses:

| | |
|-----------|---|
| PL 120 | Symbolic Logic I (3) |
| PL 203 | Aesthetics and The Arts (3) |
| OR | |
| PL 204 | Ethical Theory (3) |
| PL 300 | Ancient Philosophy (3) |
| PL 310 | Modern Philosophy (3) |
| PL 390 | Contemporary Philosophy (3) |
| PL 400 | Seminar: Topics in Philosophy (3) |
| PL 450 | Seminar: Meths & Movmts in Philosophy (3) |
| PL 481 | Practicum (1) |

Choose 9 Hours of PL or Departmentally Approved UI Courses (At least one course must be 300-400 level)

POLITICAL SCIENCE

30 Hour Major - Minor Required

Required Courses:

| | |
|-----------|-------------------------------------|
| PS 103 | United States 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 21 Hours From the Following Categories:
(3 Hours from Each Category plus 6 Additional Hours)**

American Government & Politics

| | |
|------------|---|
| PS 230 | American Public Policy (3) |
| PS 310 | Govt & Politics in American States (3) |
| PS 330 | American Presidency (3) |
| PS 335 | American Foreign Policy (3) |
| PS 360 | Political Parties & Voting Behavior (3) |
| PS 365 | Legislative Process (3) |
| PS 387-389 | Independent Study (1-3) |
| PS 390 | American Judicial System (3) |
| PS 418 | Public Policy Analysis (3) |
| PS 420 | Food & Rural Policy in the U.S. (3) |
| PS 490 | Constitutional Law (3) |
| UI 320 | Modern Presidency (3) |
| UI 4xx | Contemp Political/Social Issues (3) |

Comparative Governments & Politics

| | |
|------------|------------------------------------|
| PS 355 | Third World Politics (3) |
| PS 387-389 | Independent Study (1-3) |
| PS 450 | Govt & Pol East/Central Europe (3) |
| PS 460 | Govt & Politics West Europe (3) |
| PS 570 | Comparative Government (3) |
| UI 350 | Middle East Politics (3) |

International Politics

| | |
|------------|---------------------------------|
| PS 280 | Intro to Global Issues (3) |
| PS 335 | American Foreign Policy (3) |
| PS 380 | International Organizations (3) |
| PS 387-389 | Independent Study (1-3) |
| PS 580 | International Politics (3) |

| | |
|--------|-------------------------------------|
| PS 595 | International Law (3) |
| UI 322 | International Political Economy (3) |
| UI 350 | Middle East Politics (3) |

Public Administration

| | |
|------------|---------------------------------------|
| PI 381-383 | Internship in Political Science (1-3) |
| PS 230 | American Public Policy (3) |
| PS 384-386 | Internship in Political Science (3) |
| PS 387-389 | Independent Study (1-3) |
| PS 402 | Fundamentals of Public Admin (3) |
| PS 403 | Public Personnel Admin (3) |
| PS 415 | Government Budgeting Process (3) |
| PS 418 | Public Policy Analysis (3) |
| PS 420 | Food & Rural Policy in the U.S. (3) |
| PS 425 | Administrative Law & Procedure (3) |

Political Theory

| | |
|------------|--------------------------------------|
| PS 387-389 | Independent Study (1-3) |
| PS 440 | Political Theory (3) |
| UI 342 | Modern Political Thought (3) |
| UI 357 | Early American Political Thought (3) |
| UI 358 | Foundations of Political Thought (3) |
| UI 361 | Contemporary Political Theory (3) |
| UI 440 | The Holocaust (3) |

Additional Requirement:

| | |
|--------|----------------------------------|
| xx xxx | 12 Hours in ONE Foreign Language |
|--------|----------------------------------|

SOCIOLOGY

33-36 Hour Major - Minor Required

Required Courses:

| | |
|-----------|--------------------------------------|
| AN 181 | Intro to Cultural Anthropology (3) |
| SO 200 | Intro to Social Organization (3) |
| SO 240 | Interpretation of Data (3) |
| OR | |
| SO 242 | Statistics for Social Scientists (3) |
| SO 345 | Methods of Social Research (3) |
| SO 490 | Devel of Sociological Theory (3) |

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SO 495 Senior Seminar (3)

OR

SI 496 Sociology Internship (6)

Choose 15 Hour Approved Elective Sequence
Additional Requirement:

xx xxx 12 Hours in ONE Foreign Language

SPANISH

36 Hour Major - Minor Required

Required Courses:

SN 001 Spanish Exit Exam (0)
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)
SN 300 Spanish American Culture (3)
SN 306 Civilization of Spain (3)

Choose 3 Hours From:

SN 430 Spanish American Literature I (3)
SN 435 Spanish American Literature II (3)

Choose 3 Hours From:

SN 403 Survey of Spanish Literature I (3)
SN 404 Survey of Spanish Literature II (3)
SN 410 Novel of the Golden Age (3)
SN 425 Contemporary Spanish Literature (3)

Choose 6 Hours From:

(Only one course may be selected from each of the areas of composition, conversation, commercial, grammar)

SN 301 Intermediate Spanish Composition (3)
SN 305 Intermediate Spanish Conversation (3)
SN 316 Commercial Spanish (3)
SN 330 Spanish Grammar (3)
SN 335 Crit Rdgs in Hispanic Literature (3)

SN 530 Adv Spanish Conversation & Composition (3)

SN 541 Spanish Writing Skills (3)

Choose 6 Hours of SN Electives (300-500 level)

Additional Requirement:

Choose 3 Hours From:

AN 101 Observing Other Cultures (3)
AN 181 Intro to Cultural Anthropology (3)
AN 241 Intro to Linguistic Anthropology (3)
AN 260 World Cultures (3)
AN 360 Ancient Civ of Meso-America (3)
GH 125 Islamic Civilization (3)
GH 130 Latin American Civilization (3)
GG 160 American Peoples & Civilization (3)
UI 375 European Film (3)
WH 370 Europe in the 20th Century (3)
WH 424 South Americas (3)
WH 520 Latin Am Colonial History (3)
WH 524 Hist of Mexico Since 1810 (3)

SPEECH COMMUNICATION

28-30 Hour Major - Minor Required

Required Courses:

SC 105 Fund of Oral Communication (3)
SC 155 Fund of Interpers Communication (3)
SC 305 Theories of Communication (3)
SC 320 Group Comm & Decision-Making (3)
UI 345 Nonverbal Communication (3)
UI 425 Persuasion (3)

Choose One Option:

FORENSIC COMMUNICATION (10-12 Hours)

SC 160 Intercollegiate Debate (2)
OR
SC/TH 140 Oral Interpretation (3)
SC 314 Argumentation & Problem Solving (3)

Choose 6 Hours From:

- SC 161 Intercollegiate Debate (2)
- OR**
- SC 240/TH 140 Oral Interpretation (3)
(if not taken above)
- SC 200 Advanced Public Speaking (3)
- SC 335 Interviewing (3)
- SC 400 Advanced Debate (3)
- UI 423 Political Communication (3)
- TH 101 Acting for Non-Majors (3)
- UI 320 Modern Presidency (3)

PUBLIC COMMUNICATION (11-12 Hours)

- SC 200 Advanced Public Speaking (3)
- SC 310 Speech Writing (3)

Choose 6 Hours From:

- SC 160/161 Intercollegiate Debate (2)
- SC/TH 140 Oral Interpretation (3)
- SC 314 Argumentation & Problem Solving (3)
- SC 505 Semnr/Criticism Amer Pub Address (3)
- UI 320 Modern Presidency (3)
- UI 423 Political Communication (3)

INTERPERSONAL AND SMALL GROUP COMMUNICATION (12 Hours)

Choose Any 12 Hours From:

- SC 215 Intercultural Communication (3)
- SC 335 Interviewing: Prin & Pract (3)
- SC 355 Relational Comm Strategies (3)
- SC 510 Group Dynamics (3)
- SC 365 Communication Between the Sexes (3)
- SC 590 Commun/Attitudes: Theory/Resrch (3)
- UI 301 Managerial Communication (3)

ORGANIZATIONAL COMMUNICATION AND SOCIAL INFLUENCE (12 Hours)

- SC 560 Organizational Communication (3)
- UI 301 Managerial Communication (3)

Choose 6 Hours From:

- SC 200 Advanced Public Speaking (3)
- SC 310 Speech Writing (3)
- SC 335 Interviewing: Prin & Pract (3)
- SC 510 Group Dynamics (3)
- SC 590 Commun/Attitudes: Theory/Resrch (3)

THEATRE

45 Hour Major - Minor Required

Required Courses:

- TH/DA 105 Rehearsal & Production (1)
- TH 115 Acting I (3)
- TH 155 Makeup (2)
- TH 231 Stagecraft I (3)
- TH 251 Costume Construction (3)
- TH 285 Script Analysis (3)
- TH/DA 305 Rehearsal & Production (3)
- TH 385 Directing (3)
- TH 490 Theatre History I (3)
- TH 495 Theatre History II (3)
- UI 384 Musical Theatre: Origins to Present (3)

Choose 3 Hours From:

- TH 120 Acting II (3)
- TH 265 Drawing for the Theatre (3)

Choose 6 Hours From:

- TH 331 Stagecraft II (3)
- TH 350 Stage Lighting I (3)
- TH 351 Costume Design (3)
- TH 361 Scene Painting (3)
- TH 371 Scenic Design (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)

Choose 6 Hours From:

- TH 310 Solo Performance (3)
- TH 315 Stage Movement (3)
- TH 320 Stage Combat II (3)
- TH 325 Auditioning (3)

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| | |
|--------|----------------------|
| TH 330 | Acting III (3) |
| TH 475 | Ensemble Theatre (3) |
| TH 485 | Directing II (3) |

Additional Requirement:

| | |
|--------|-------------------------------|
| TH 140 | Oral Interp of Literature (3) |
|--------|-------------------------------|

Bachelor Of Fine Arts Majors

BACHELOR OF FINE ARTS DEGREE

See Admission to Bachelor of Fine Arts-Art major criteria under Admissions, page xx.

ART

In addition to the required courses listed, BFA-Art majors complete 12-21 departmentally approved elective hours in one of the following specializations: Painting; Drawing; Printmaking; Sculpture; Ceramics; Fibers; Graphic Design; or Three Dimensional Computer Imaging/Animation.

80 Hour Major - No Minor Required

Required Courses:

| | |
|--------|--------------------------------|
| AH 110 | Art History Survey I (3) |
| AH 210 | Art History Survey II (3) |
| AR 001 | Foundation Core Review (0) |
| AR 100 | Drawing I (3) |
| AR 104 | Design Foundations (3) |
| AR 106 | 3D Foundations (3) |
| AR 201 | Color Composition (3) |
| AR 202 | Drawing II: Human Figure (3) |
| AR 302 | Printmaking (3) |
| AR 313 | New Genre (3) |
| AR 314 | Drawing III: Adv. Problems (3) |
| AR 325 | Painting (3) |
| AR 330 | Fibers I (3) |
| AR 332 | Sculpture I (3) |
| AR 342 | Ceramics (3) |
| AR 450 | Senior Portfolio* (2) |

Choose 6 additional hours of Art History courses (300-500 level)

Specialization & Elective Art Courses (30)

Studio majors select 12-15 departmentally approved credit hours in one specialized area. Choose from

Ceramics; Drawing; Fibers; Painting; Printmaking; or Sculpture. Students specializing in either Graphic Design or Three Dimensional Computer Imaging/Animation must choose a minimum of 21 departmentally approved elective credit hours.

*For Graphic Design majors only

PERFORMING ARTS

63-65 Hour Major - No Minor Required

(A grade of "C" is required in each course within the BFA-Performing Arts major.)

All students wishing to advance in level will be required to successfully complete an annual jury as arranged by department faculty.

Required Courses:

| | |
|-----------|----------------------------|
| DA100 | Dance Appreciation (3) |
| DA 185 | Movement Analysis (3) |
| TH/DA 105 | Rehearsal & Production (2) |
| TH 115 | Acting I (3) |
| TH 155 | Makeup (2) |
| TH 230 | Performance Studies (3) |
| TH 231 | Stagecraft I (3) |
| TH 251 | Costume Construction (3) |
| TH 285 | Script Analysis (3) |
| TH/DA 305 | Rehearsal & Production (2) |
| TH/DA 498 | BFA Project (2) |
| TH/DA 499 | Internship (4) |

Choose One Option:

DANCE (32 Hours)

| | |
|--------|-------------------------------|
| DA 110 | Ballet I (2) |
| DA 120 | Contemporary Dance I (2) |
| DA 210 | Ballet II (2) |
| DA 220 | Contemporary Dance II (2) |
| DA 285 | Choreography I (3) |
| DA 385 | Movement Improvisation (2) |
| DA 390 | Kines/Physiology of Dance (3) |
| DA 485 | Choreography II (3) |
| DA 490 | Dance History (3) |
| MM 102 | Basic Harmony & Form (3) |

Choose 2 Hours From:

| | |
|--------|-------------------|
| DA 125 | Jazz Dance I (2) |
| DA 225 | Jazz Dance II (2) |

Choose 2 Hours From:

- DA 310 Ballet III (2)
- DA 320 Contemporary Dance III (2)

Choose 3 Hours From:

- DA/PE 219 Theory/Pract of Dance (3)
- ED 255 Children and the Arts (3)

Additional Requirements: 9 Hours

- FN 235 Nutrition for Life (3)
- TH 100 Theatre Appreciation (3)
- UI 433 Aesthetics of Movement (3)

DESIGN & TECHNICAL THEATRE (30 Hours)

- TH 265 Drawing for the Theatre (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 385 Directing I (3)
- TH 395 Period & Style (3)
- TH 490 Theatre History I (3)
- TH 495 Theatre History II (3)

Choose 3 Hours From:

- TH 331 Stagecraft II (3)
- TH 375 Theatre Management (3)
- TH 450 Stage Lighting II (3)
- TH 451 Costume Design II (3)
- TH 471 Scenic Design II (3)

Additional Requirements: 9 Hours

- TH 100 Theatre Appreciation (3)
- TH 140 Oral Interp of Literature (3)
- UI 384 Musical Theatre: Origins to Present (3)

THEATRE PERFORMANCE OPTION (32 Hours)

- TH 120 Acting II (3)
- TH 215 Voice for Actors (3)
- TH 220 Stage Combat I (3)
- TH 330 Acting III (3)
- TH 385 Directing I (3)

- TH 490 Theatre History I (3)
- TH 495 Theatre History II (3)

Choose 3 Hours From:

- TH 310 Solo Performance (3)
- TH 315 Stage Movement (3)
- TH 320 Stage Combat II (3)
- TH 325 Auditioning (3)

Choose 3 Hours From:

- TH 475 Ensemble Theatre (3)
- TH 485 Directing II (3)

Choose 5 Hours From Dance and Music

Activity courses - see advisor for list of approved courses

Additional Requirements: 9 Hours

- TH 100 Theatre Appreciation (3)
- TH 140 Oral Interp of Literature (3)
- UI 384 Musical Theatre: Origins to Present (3)

Bachelor Of General Studies Degree

Allows structuring of a degree program without requiring major or minor fields; University Studies requirements must be completed.

| | |
|---------------------------------|-----------|
| Minimum Degree Requirements | 124 Hours |
| University Studies Requirements | 48 Hours |
| 300-500 Level Courses Required | 30 Hours |

Bachelor Of Science Degree

Primarily for students entering various scientific fields. The areas from which majors must be chosen are:

Agribusiness
Options:

- Agribusiness
- Animal Science
- Horticulture

Agriculture
Options:

- Agriscience
- Plant & Soil Science

Biology

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Chemistry
Communication Disorders
Computer Science
Options:
 Computational Systems
 Computer Systems
 Graphical Systems
Computer Science, Applied
Options:
 Information Systems
 Interdisciplinary Applications Technology
Corporate Communication
Criminal Justice
Options:
 Corrections
 Law Enforcement
 Security Management
Economics
Engineering Physics
Options:
 Applied Physics and Engineering
 Computer Applications in Physics & Engineering
Environmental Science
Food Service & Hospitality Management
Geography
Geoscience
Health Management
Options:
 Athletic Training
 Exercise Science
 Health Promotion
Historic Preservation
Human Environmental Studies
Options:
 Child Development
 Dietetics
 Family Life
 Fashion Merchandising
 Housing & Interior Design
Industrial Technology
Options:
 Construction Management & Design
 Electronics & Computer Technology
 Industrial Management
 Technology (AAS transfers)
 Technical Graphics
Interdisciplinary Studies
Manufacturing Engineering Technology
Mass Communication

Options:
 Advertising
 Corporate Video
 Public Relations
 Radio
Mathematics:
Options:
 Pure Mathematics
 Applied Mathematics & Statistics
 Medical Technology
Physics
Political Science
Psychology
Recreation
Social Work
Sociology
Sport Management

AGRIBUSINESS

49-60 Hour Major - No Minor Required

Required Courses:

| | |
|--------|-----------------------------------|
| AC 221 | Princ of Financial Accounting (3) |
| AD 101 | Intro to Microcomp Appl (3) |
| AG 245 | Agricultural Economics (3) |
| AG 250 | Agribusiness Management (3) |
| AG 334 | Agribusiness Finance (3) |
| AG 355 | Agriculture Seminar (1) |
| AG 433 | Agrucultural & Food Policy (3) |
| AG 465 | Agriculture Internship (3) |
| | OR |
| AG 466 | Agriculture Internship (6) |
| | OR |
| AG 469 | Undergrad Research (3) |
| AG 470 | Agriculture Sales (3) |
| AO 120 | Plant Science (4) |
| MA 223 | Elem Prob & Stats (3) |
| | OR |
| QM 257 | Business Stats (3) |

Additional Requirements (8 Hours):

| | |
|--------|------------------------------|
| CH 181 | Basic Princ of Chemistry (5) |
| | OR |
| CH 185 | General Chemistry I (5) |
| MA 134 | College Algebra (3) |

Choose One of the Following Options(17-28 Hours):

AGRIBUSINESS

| | |
|--------|-------------------------|
| AG 447 | Mktg Agric Products (3) |
| AY 101 | Animal Science (5) |
| EC 225 | Princ of Macroecon (3) |

Choose 6 Hours Electives (300-400 level)

ANIMAL SCIENCE

| | |
|-----------|-------------------------------|
| AG 447 | Mktg Agric Products (3) |
| AY 101 | Animal Science (5) |
| AY 204 | Animal Nutrition (3) |
| OR | |
| AY 304 | Princ of Animal Nutrition (3) |
| AY 311 | Animal Breeding (3) |
| AY 405 | Beef Production (3) |
| AY 406 | Swine Production (3) |
| EC 225 | Princ of Macroecon (3) |

HORTICULTURE

| | |
|--------|-------------------------------|
| AG 290 | Economic Entomology (3) |
| AO 215 | Soil Science (3) |
| AO 323 | Plant Pathology (2) |
| AO 325 | Agrichemical Mgt (2) |
| HO 130 | Ornamental Plants I (2) |
| HO 230 | Ornamental Plants II (2) |
| HO 330 | Landscape Planting Design (3) |
| HO 350 | Greenhouse Mgt (4) |
| HO 430 | Landscape & Turf Mgt (4) |
| MK 301 | Princ of Mktg (3) |

AGRICULTURE

47-57 Hour Major - No Minor Required

Required Courses:

| | |
|-----------|----------------------------|
| AG 355 | Agriculture Seminar (1) |
| AG 465 | Agriculture Internship (3) |
| OR | |
| AG 466 | Agriculture Internship (6) |
| OR | |
| AG 469 | Undergrad Research (3) |
| AO 120 | Plant Science (4) |
| AO 215 | Soils (3) |
| AY 101 | Animal Science (5) |
| OR | |
| BI 381 | Genetics (3) |
| BI 190 | Life Processes (4) |

| | |
|--------|-------------------------|
| BI 200 | Microbiology (3) |
| CH 234 | Organic & Biol Chem (3) |
| MA 223 | Elem Prob & Stats (3) |

Additional Requirements (8-11 Hours):

| | |
|------------|-------------------------|
| CH 181 | Basic Princ in Chem (5) |
| OR | |
| CH 185 | Gen Chem I (5) |
| AND | |
| CH 186 | Gen Chem II (3) |
| MA 134 | College Algebra (3) |

Choose One of the Following Options (18-25 Hours):

PLANT AND SOIL SCIENCE

| | |
|--------|-----------------------------------|
| AG 290 | Econ Entomology (3) |
| AO 322 | Weed Science (3) |
| AO 323 | Plant Pathology (2) |
| AO 325 | Agrichem Mgt (2) |
| AO 420 | Crop Physiology (3) |
| AO 427 | Soil Fertility & Plant Nutrtn (3) |

Choose 13 Hours From the Following (At Least 4 Hours At 300-500 Level):

| | |
|--------|--------------------------------|
| AO 230 | Princ Grain Crop Prod (3) |
| AO 321 | Cotton & Rice Culture (3) |
| AO 341 | Vegetable Prod (3) |
| AO 550 | Soil Conservation (3) |
| AO 555 | Soil Class & Res Mgt (3) |
| GO 445 | Geo Info Systems (3) |
| GO 455 | Clay Mineralogy (3) |
| HO 130 | Orn Plants I (2) |
| HO 230 | Orn Plants II (2) |
| HO 231 | Plant Propagation (3) |
| HO 342 | Fruit Production (3) |
| HO 350 | Greenhouse Mgt (4) |
| HO 430 | Landscape & Turf Mgt (4) |
| HO 431 | Nursery Prod & Silviculture(4) |

AGRISCIENCE

The Agriscience option is specifically designed for students who have earned accredited Associate of Applied Science degrees in fields related to agricultural science or technology and desire to complete a Bachelor of Science degree in Agriculture. Students will be awarded up to 33 hours for the approved agricultural science and technology transfer courses. To complete

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the BS degree, students must complete the University Studies requirements and the Agriculture core courses. In addition, students will select 18 credit hours of 300-500 level electives to build upon the skills gained through the AAS degree. Contact the Department of Agriculture or see <http://www4.semo.edu/agriculture/agriscience.htm> for further information.

BIOLOGY

40 Hour Major - Minor Required

Required Courses:

| | |
|---------------|------------------------------------|
| BI 003 | Biology Major Field Assessment (0) |
| BI 190 | Life Processes (4) |
| BI 200 | General Microbiology (3) |
| BI 225 | Research Methods in Biology (3) |
| BI 381 | Genetics (3) |
| BI 487 | Biology Seminar (1) |
| BI 300 | Intro to Evolutionary Biology (3) |
| BI 4xx or 5xx | Experiential Learning (2) |
| BO 200 | Plant Biology (3) |
| ZO 200 | Animal Biology (3) |

Choose 12 Hours BI, BO, or ZO courses, any level

Choose One Option:

BIOMEDICAL SCIENCES

| | |
|--------|-----------------------|
| ZO 331 | Animal Physiology (3) |
|--------|-----------------------|

Additional Requirements: 30-38 Hours

| | |
|------------|-------------------------------|
| CH 185 | General Chemistry I (5) |
| CH 186 | General Chemistry II (3) |
| CH 187 | Qualitative Analysis (2) |
| CH 341-342 | Organic Chemistry I (5) |
| OR | |
| CH 341-344 | Organic Chemistry I & II (10) |
| MA 134 | College Algebra (3) |
| MA 133 | Trigonometry (2) |
| OR | |
| MA 139 | Applied Calculus (3) |
| OR | |
| MA140 | Analyt Geom & Calc I (5) |
| OR | |
| MA 223 | Probability & Statistics (3) |
| PH 120 | Intro Physics I (5) |
| PH 121 | Intro Physics II (5) |

MICROBIOLOGY, CELL AND MOLECULAR BIOLOGY

| | |
|--------|-----------------------------------|
| BI 345 | Lab Methods in Biol Chemistry (3) |
|--------|-----------------------------------|

Additional Requirements: 24-26 Hours

| | |
|------------|------------------------------|
| CH 185 | General Chemistry I (5) |
| CH 186 | General Chemistry II (3) |
| CH 187 | Qualitative Analysis (2) |
| CH 341-342 | Organic Chemistry I (5) |
| CH 531 | Biochemistry I (3) |
| OR | |
| UI 331 | Biochemistry I (3) |
| MA 134 | College Algebra (3) |
| MA 139 | Applied Calculus (3) |
| OR | |
| MA140 | Analyt Geom & Calc I (5) |
| OR | |
| MA 223 | Probability & Statistics (3) |

ORGANISMAL, ECOLOGICAL, AND EVOLUTIONARY BIOLOGY

| | |
|--------|-------------|
| BI 332 | Ecology (3) |
|--------|-------------|

Additional Requirements: 14-16 Hours

| | |
|-----------|------------------------------|
| CH 185 | General Chemistry I (5) |
| GO 110 | Physical Geology (3) |
| MA 134 | College Algebra (3) |
| MA 139 | Applied Calculus (3) |
| OR | |
| MA 140 | Analyt Geom & Calc I (5) |
| OR | |
| MA 223 | Probability & Statistics (3) |

CHEMISTRY

38 Hour Major - No Minor 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 311 | Physical Chemistry I (4) |
| CH 312 | Physical Chemistry II (3) |
| CH 313 | Physical Chemistry Laboratory (3) |

| | |
|--------|---------------------------------------|
| CH 341 | Organic Chemistry I (4) |
| CH 342 | Organic Chemistry Lab I (1) |
| CH 343 | Organic Chemistry II (3) |
| CH 344 | Organic Chemistry Laboratory II (2) |
| CH 498 | Professional Presentation in Chem (1) |
| UI 443 | Professional Exp in Chemistry (3) |

Additional Requirements: 22 Hours

| | |
|------------|---|
| MA 140 | Analytic Geometry & Calculus I (5) |
| MA 145 | Analytic Geometry & Calculus II (4) |
| MA 240 | Analytic Geometry & Calculus III (3) |
| PH 120/121 | Introductory Physics I & II (10) OR |
| PH 230/231 | General Physics I & II (10) |

NOTE: Certification of program by the American Chemical Society may be obtained by taking a minimum of 12 additional hours. Consult an advisor for specific information.

COMMUNICATION DISORDERS
38-39 Hour Major - No Minor Required
(See Admission to Communication Disorders
Program criteria under Admissions, page 10)

Required Courses:

| | |
|------------|---|
| CD 211 | Anat & Physiology/Speech Mechanism (4) |
| CD 225 | Phonetics (4) |
| CD 230 | Intro to Communication Disorders (4) |
| CD 340 | Normal Speech/Language Development (3) |
| CD 371 | Anat & Physiology/Hearing Mechanism (3) |
| CD 401-402 | Clinical Practicum/Comm Disorders (1-2) |
| CD 406 | Diag/Clin Methods Spch/Lang Pathology (4) |
| CD 410 | Spch Disorders I: Phonol/Artic/Cleft Palate (3) |
| CD 426 | Hearing Disorders: Audiological Assmt (3) |

| | |
|--------|--|
| CD 430 | Speech Disorders II: Voice & Fluency (3) |
| CD 442 | Lang Disord/Preschl & School-aged Children (3) |
| CD 510 | Multicultural Issues in Comm Disorders (3) |

Additional Requirements:

| | |
|--------|--|
| BS 107 | Investigations in Biology (3) |
| EN 140 | Rhetoric & Critical Thinking (3) |
| MA 134 | College Algebra |
| MA xxx | Additional Math course (above MA 134) OR |
| xx xxx | Statistics course |
| PS 103 | U.S. Political Systems (3) |
| PY 101 | Psych Perspect on Human Behavior (3) |
| SC 105 | Fund of Oral Communication (3) |
| US 105 | American History I OR |
| US 107 | American History II (3) |

Choose One of the Following:

| | |
|--------|-----------------------------------|
| CH 180 | Chemistry in Our World (3) |
| CH 181 | Basic Principles of Chemistry (5) |
| CH 185 | General Chemistry I (5) |
| PH 106 | Physical Concepts (3) |

Choose One of the Following:

| | |
|--------|---|
| CD 110 | Language Culture of Deaf (3) |
| SO 102 | Society, Culture & Social Behavior (3) |
| SW 207 | Understanding Culture & Soc Diversity (3) |

NOTE: State and national certification in speech-language pathology (American Speech-Language-Hearing Association and Missouri Department of Elementary and Secondary Education) requires that applicants complete a core of courses in the humanities, professional education, biological/physical sciences, mathematics, behavioral and social sciences. Students should work closely with a departmental advisor in selecting appropriate University Studies and professional education courses which meet these certification requirements.

APPLIED COMPUTER SCIENCE

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56-83 Hour Major - No Minor Required*

Required Courses:

| | |
|-----------|----------------------------------|
| CS 003 | Computer Science Assessment (0) |
| CS 120 | Intro to Computer Science (3) |
| OR | |
| IS 130 | Visual Basic Programming I (3) |
| CS 155 | Computer Science I (5) |
| CS 265 | Computer Science II (5) |
| CS 300 | Computer Science III (3) |
| CS 315 | C & the Unix Environment (3) |
| CS 440 | Data Base (3) |
| CS 445 | Appl Syst Analysis & Design (3) |
| CS 450 | Software Engineering (3) |
| CS 455 | Topics in Applic Programming (3) |
| CS 480 | Data Communications (3) |
| CS 495 | Senior Seminar (1) |
| IS 175 | Information Systems I (3) |
| IS 275 | Information Systems II (3) |
| MA 138 | Discrete Mathematics I (3) |
| MA 139 | Applied Calculus (3) |
| OR | |
| MA 140 | Analytical Geom & Calc I (5) |

Choose One of the Following Options:

INTERDISCIPLINARY APPLICATIONS (9)

*Second major or minor required in a department other than Computer Science.

| | |
|--------|--------------------------------|
| IS 330 | Visual Basic Programming I (3) |
| MA 223 | Probability & Statistics (3) |

Choose 3 Hours From:

CS or IS Courses (300-400 level)

OR

related 300 or 400 level courses in second major with department approval

INFORMATION SYSTEMS (24 Hours)

| | |
|-----------|--------------------------------------|
| AC 221 | Principles/Financial Accounting (3) |
| AC 222 | Principles/Managerial Accounting (3) |
| CS 331 | Business Applic Programming (3) |
| EC 215 | Principles of Microeconomics (3) |
| MA 223 | Probability and Statistics (3) |
| OR | |
| QM 257 | Business Statistics (3) |

Choose 6 Hours From:

| | |
|-----------|------------------------------------|
| AC 330 | Accounting Information Systems (3) |
| AC 331 | Cost/Managerial Accounting (3) |
| AC 339 | Managerial Accounting (3) |
| FI 361 | Financial Management (3) |
| MG 358 | Production/Operations Mgt (3) |
| MK 301 | Principles of Marketing (3) |
| OR | |
| MG 301 | Management & Organiz Behav (3) |
| QM 352 | Quant Methods in Business (3) |

Choose 3 Hours From:

CS or IS Courses (300-400 level)

TECHNOLOGY (36 Hours)

| | |
|------------|--------------------------------------|
| CS 365 | Computer Organiz & Assembly Lang (5) |
| CS 380 | Operating Systems (3) |
| EP 305 | Digital & Analog System Design (3) |
| EP 310 | Microcomputer Interfacing (3) |
| ET 366 | Microcontrollers (3) |
| MA 223 | Probability & Statistics (3) |
| PH 120/121 | Introductory Physics I & II (10) |
| OR | |
| PH 230/231 | General Physics I & II (10) |

Choose One 6 Elective Sequence:

Sequence A

| | |
|--------|----------------------------|
| EP 342 | Electronic Circuits I (3) |
| EP 352 | Electronic Circuits II (3) |

Sequence B

| | |
|--------|-----------------------------------|
| ET 462 | Networking I (3) |
| ET 464 | Telecommunications & Ntwkg II (3) |

Sequence C

| | |
|--------|---------------------------------|
| ET 368 | Advanced Digital Principles (3) |
| ET 465 | Computer Peripherals (3) |

COMPUTER SCIENCE

66-87 Hour Major - No Minor Required

Required Courses:

| | |
|-----------|-------------------------------------|
| CS 003 | Computer Science Assessment (0) |
| CS 120 | Intro to Computer Science (3) |
| OR | |
| IS 130 | Visual Basic Programming I (3) |
| CS 155 | Computer Science I (5) |
| CS 265 | Computer Science II (3) |
| CS 300 | Computer Science III (3) |
| CS 315 | C & the Unix Environment (3) |
| CS 345 | Foundations of Computer Science (3) |
| CS 350 | Data Structures & Algorithms (3) |
| CS 380 | Operating Systems (3) |
| CS 445 | Appl Syst Analysis & Design (3) |
| CS 450 | Software Engineering (3) |
| CS 495 | Senior Seminar (1) |
| MA 138 | Discrete Mathematics I (3) |
| MA 140 | Analytic Geometry & Calculus I (5) |
| MA 145 | Analytic Geometry & Calculus II (4) |
| MA 345 | Linear Algebra (3) |

Choose One of the Following Options:

COMPUTATIONAL SYSTEMS (26)

Required Courses:

| | |
|--------|------------------------------------|
| CS 365 | Computer Org & Assembly Lang (5) |
| CS 390 | Programming Languages (3) |
| MA 223 | Probability & Statistics (3) |
| MA 240 | Analytical Geometry & Calc III (3) |
| MA 334 | Computer Programming (3) |
| MA 544 | Numerical Analysis (3) |

Choose 6 Hours From:

| | |
|--------|---------------------------------|
| MA 350 | Differential Equations I (3) |
| MA 445 | Modern Algebra (3) |
| MA 523 | Probability & Statistics I (3) |
| MA 524 | Probability & Statistics II (3) |
| MA 545 | Linear Algebra & Matrices (3) |
| MA 550 | Differential Equations II (3) |

COMPUTER SYSTEMS (36 Hours)

Required Courses:

| | |
|------------|---|
| CS 365 | Computer Org & Assembly Lang (5) |
| CS 390 | Programming Language (3) |
| EP 305 | Digital & Analog System Design (3) |
| MA 223 | Elementary Probability & Statistics (3) |
| PH 120/121 | Introductory Physics I & II (10) |
| OR | |
| PH 230/231 | General Physics I & II (10) |

Choose 9 Hours 300-400 level CS courses (except CS 331)

Choose 3 Hours Science/Quantitative Course Elective - See Department of Computer Science for approved courses

GRAPHICAL SYSTEMS (37 Hours)

Required Courses:

| | |
|------------|----------------------------------|
| AR 100 | Drawing I (3) |
| AR 112 | Perspectives in Art (3) |
| AR 201 | Color Composition (3) |
| AR 202 | Drawing II (3) |
| AR 325 | Painting (3) |
| AR 208 | Intro to Graphic Design (3) |
| OR | |
| AR 314 | Drawing III (3) |
| OR | |
| AW 8xx | Computer Art (3) |
| AR 375 | Art & New Technology (3) |
| AR 376 | 3-D Animation (3) |
| CS 375 | Computer Graphics (3) |
| PH 120/121 | Introductory Physics I & II (10) |
| OR | |
| PH 230/231 | General Physics I & II (10) |

**CORPORATE COMMUNICATION
48 Hour Major - Minor Required**

Required Courses:

| | |
|--------|--------------------------------------|
| MG 301 | Management & Organizational Behr (3) |
| MK 301 | Principles of Marketing (3) |
| MK 341 | Public Relations (3) |
| SC 155 | Fund of Interpersonal Comm (3) |

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| | |
|--------|-------------------------------------|
| SC 330 | Corporate & Professional Comm (3) |
| SC 335 | Interviewing: Princ & Practices (3) |
| SC 483 | Internship in Corporate Comm (3) |
| SC 560 | Organizational Comm (3) |
| UI 301 | Managerial Communication (3) |

Choose 9 hours from:

| | |
|--------|---|
| SC 215 | Intercultural Communication (3) |
| SC 310 | Speech Writing (3) |
| SC 314 | Argumentation & Problem Solving (3) |
| SC 320 | Group Comm & Decision-Making (3) |
| SC 355 | Relational Comm Strategies (3) |
| SC 406 | Comm Prin/Negotiation & Conflict Mgmt (3) |
| SC 510 | Group Dynamics (3) |
| SC 590 | Communication & Attitudes (3) |
| UI 425 | Persuasion (3) |

Choose 6 hours from the following:

| | |
|--------|------------------------------|
| MK 342 | Professional Selling (3) |
| MK 343 | Advertising & Promotion (3) |
| MK 344 | Consumer Behavior (3) |
| MK 349 | Retail Management (3) |
| MK 560 | International Marketing (30) |

Choose 6 hours from the following:

| | |
|--------|--------------------------------|
| MG 362 | Management Systems I (3) |
| MG 450 | Improving Team Performance (3) |
| MG 470 | Leadership in Management (3) |
| MG 560 | International Management (3) |

CRIMINAL JUSTICE 33 Hour Major - Minor Required

Required Courses:

| | |
|--------|-------------------------------------|
| CJ 100 | Intro to Criminal Justice (3) |
| CJ 110 | Intro to Law Enforcement (3) |
| CJ 125 | Intro to Corrections (3) |
| CJ 220 | Criminal Law (3) |
| CJ 370 | Juvenile Justice (3) |
| CJ 425 | Planning/Resrch in Crim Justice (3) |

| | |
|--------|---|
| CJ 526 | Stataistical Analysis in Crim Justice (3) |
| | OR |
| SO 240 | Interpretation of Data (3) |
| | OR |
| SO 242 | Statistics for Soc Scientists (3) |

Choose One 12 Hour Option:

CORRECTIONS

| | |
|--------|--|
| CJ 230 | Correctional Institutions (3) |
| CJ 355 | Constitutional Rights of Inmates (3) |
| CJ 365 | Community-Based Corrections (3) |
| CJ 440 | Theories/Methods of Offender Rehab (3) |

LAW ENFORCEMENT

| | |
|--------|------------------------------------|
| CJ 310 | Advanced Police Administration (3) |
| CJ 330 | Criminal Investigations (3) |
| CJ 422 | Criminal Procedure (3) |
| CJ xx | CJ Course (300-500 level) (3) |

SECURITY MANAGEMENT

| | |
|--------|--------------------------------|
| CJ 325 | Intro to Security Systems (3) |
| CJ 326 | Security & Loss Prevention (3) |
| CJ 327 | Security Management (3) |
| CJ 422 | Criminal Procedure (3) |

ECONOMICS

28 Hour Major - Minor Required

Required Courses:

| | |
|--------|----------------------------------|
| EC 215 | Principles of Microeconomics (3) |
| EC 225 | Principles of Macroeconomics (3) |
| EC 410 | Macroeconomic Theory (3) |
| EC 420 | Microeconomic Theory (3) |
| EC 498 | Senior Seminar (1) |

Any 3 hour college-level statistics course

Choose 12 Hours From:

| | |
|--------|-------------------------------------|
| EC xxx | EC course (235-500 level) |
| UI 322 | International Political Economy (3) |
| UI 349 | Comparative Economic Systems (3) |

UI 366 Law and Economics (3)
UI 371 Government and Business (3)

NOTE: No more than 6 hours of UI courses may be selected.

ENGINEERING PHYSICS

EAC/ABET Accredited (see <http://www.abet.org>)

68-70 Hour Major - No Minor Required

Required Courses:

EP 100 Physics & Engineering Concepts (1)
EP 260 Circuit Analysis I (3)
EP 342 Electronic Circuits I (3)
EP 372 Signals and Systems (3)
EP 461 Computer Applications (3)
EP 480 Capstone Design I (1)
EP 481 Capstone Design II (3)
PH 230 General Physics I (5)
PH 231 General Physics II (5)
PH 341 Optics (3)
PH 345 Experimental Methods I (3)
OR
UI 330 Experimental Methods I (3)
PH 360 Modern Physics (3)
PH 370 Mechanics (3)
PH 371 Electromagnetics (3)
PH 445 Experimental Methods II (3)

Additional Requirements: 31 Hours

CH 185 General Chemistry I (5)
MA 140 Analytic Geometry & Calculus I (5)
MA 145 Analytic Geometry & Calculus II (4)
MA 240 Analytic Geometry & Calculus III (3)
MA 245 Vector Calculus (2)
MA 334 Computer Programming (3)
MA 350 Differential Equations (3)
MA 544 Numerical Analysis (3)
TG 120 Engineering Graphics (3)

Choose One of the Following Options (23-25 Hours):

APPLIED PHYSICS AND ENGINEERING

EP 265 Circuit Analysis II (3)
EP 352 Electronic Circuits II (3)
EP 361 Thermal Analysis (3)
EP 374 Control Systems (3)
EP 462 Material Science (3)
PH 473 Quantum Mechanics (3)

Choose 5 Hours Approved EP or PH Electives

COMPUTER APPLICATIONS IN PHYSICS AND ENGINEERING

CS 155 Computer Science I (5)
CS 265 Computer Science II (5)
CS 315 C & the Unix Environment (3)
OR
CS 365 Computer Org & Assemb Lang (5)
EP 305 Digital & Analog Syst Design (3)
EP 310 Microcomputer Interfcing (3)

Choose 4 Hours Approved EP or PH Electives

ENVIRONMENTAL SCIENCE

96-103 Hour Major - No Minor Required

Required Courses:

BI 200 General Microbiology (3)
BI 332 General Ecology (3)
BO 200 Plant Biology (3)
OR
ZO 200 Animal Biology (3)
BS 105 Environmental Biology (3)
CH 185 General Chemistry I (5)
CH 186 General Chemistry II (3)
CH 187 Qualitative Analysis (2)
CH 341 Organic Chemistry I (4)
CH 342 Organic Chemistry Lab I (1)
CS 180 Scientific Computing (3)
EV 201 Environmental Science Seminar I (1)
EV 401 Environmental Science Seminar II (1)
EV 454 Risk Assessment Applications (3)
EV 481-483 Internship (3)
OR
EV 491-493 Research (3)
EV xxx EV Course (300-500 level) (3)

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| | | | |
|--------|---|----------------------------|--|
| GO 110 | Physical Geology (3) | BI 440 | Ecology & Management of Wetlands (3) |
| GO 365 | Environmental Soil Science (4) | BI 441 | Virology (3) |
| GO 460 | Environmental Hydrology (3) | BI 442 | Immunology (3) |
| MA 140 | Analytical Geometry & Calculus I (5) | BI 443 | Epidemiology (3) |
| MA 223 | Elementary Probability & Statistics (3) | BI 445 | Microbial Physiology (3) |
| PH 120 | Introductory Physics I (5) | BI 452 | Limnology (3) |
| | AND | BI 453 | Occupational Health (3) |
| PH 121 | Introductory Physics II (5) | BI 454 | Risk Assessment (3) |
| | OR | BI 455 | Industrial Hygiene (3) |
| PH 230 | General Physics I (5) | BI 460 | Introduction to Toxicology (3) |
| | AND | BI 469 | Wildlife Toxicology (3) |
| PH 231 | General Physics II (5) | BI 471-473 | Internship in Biology (1-3) |
| UI 373 | Earth & Life Through Time (3) | BI 479 | Introduction to Aquatic Toxicology (3) |
| UI 429 | Environmental Ethics (3) | BI 543 | Pathogenic Microbiology (2) |
| | Choose 6 Hours From: | BI 544 | Pathogenic Microbiology Laboratory (1) |
| UI 301 | Managerial Communication Processes (UI 331 Biochemistry I)(3) | BI 589-591 | Biological Research (1-3) |
| UI 339 | North American Indians (3) | BO 361 | Systematic Botany (3) |
| UI 360 | Recycling & Waste Management (3) | BO 445 | Plant Physiology (3) |
| UI 372 | Earthquakes & Society (3) | BO 461 | Native Aquatic Plants (3) |
| UI 386 | Environmental Health (3) | BO 469 | Field Botany (3) |
| UI 387 | Environmental Law & Public Policy (3) | ZO 331 | Animal Physiology (3) |
| | | ZO 459 | Mammalogy (3) |
| | | ZO 460 | Herpetology (3) |
| | | ZO 466 | Ornithology (3) |
| | | ZO 469 | Vertebrate Adaptations (3) |
| | | ZO 478 | Ichthyology (3) |
| | | BUSINESS (21 Hours) | |
| | | AC 221 | Principles of Financial Accounting (3) |
| | | AC 222 | Principles of Managerial Accounting (3) |
| | | EC 225 | Principles of Macroeconomics (3) |
| | | FI 361 | Financial Management (3) |
| | | MG 301 | Management & Organizational Behavior (3) |
| | | MI 375 | Management Information Systems (3) |
| | | MK 301 | Principles of Marketing (3) |

CHEMISTRY (15 Hours)

| | |
|--------|--|
| CH 271 | Quantitative Analysis (4) |
| CH 310 | Introduction to Physical Chemistry (5) |
| UI 443 | Prof Experience in Chem (3) |

Choose 3 Hours From:

| | |
|-------------|--|
| CH 343 | Organic Chemistry II (3) |
| CH 344 | Organic Chemistry Lab II (2) |
| CH 350 | Environmental Chemistry (3) |
| CH 391 | Undergraduate Research (1-3) |
| CH 545 | Organic Preparations & Characterizations (3) |
| CH 575 | Chemical Instrumentation (4) |
| CH531/UI331 | Biochemistry I (3) |

ENVIRONMENTAL HEALTH (21 Hours)

| | |
|--------|---------------------------------------|
| EV 350 | Environmental Chemistry (3) |
| EV 443 | Epidemiology (3) |
| EV 453 | Occupational Health (3) |
| EV 455 | Industrial Hygiene (3) |
| EV 460 | Introduction to Toxicology (3) |
| UI 386 | Environmental Health (3) |
| UI 387 | Environmental Law & Public Policy (3) |

NOTE: One of the EV courses above will satisfy the 3 hours of elective credit in the Environmental Science core course requirements.

Choose 9 Hours From:

| | |
|--------------|--------------------------------------|
| BI 543 & 544 | Pathogenic Microbiology & Lab (3) |
| BS 332 | Human Physiology (3) |
| EN 301 | Writing for Science & Technology (3) |
| HL 210 | Health & Safety (2) |
| HL 320 | Community Health (3) |

GEOSCIENCES (15 Hours)

| | |
|--------|----------------------------------|
| GO 225 | Rocks & Minerals (3) |
| GO 310 | Field Methods (1) |
| GO 335 | Sedimentology & Stratigraphy (4) |

Choose 6 Hours From:

| | |
|--------|------------------------------|
| GO 305 | Environmental Geoscience (3) |
| GO 340 | Remote Sensing (3) |
| GO 345 | Mineralogy & Petrology (4) |

| | |
|--------|------------------------------------|
| GO 350 | Field Camp (4) |
| GO 360 | Structural Geology (3) |
| GO 400 | Geomorphology (3) |
| GO 416 | Applied Geophysics (3) |
| GO 420 | Global Environmental Change (3) |
| GO 435 | Predictive Stratigraphy (3) |
| GO 445 | Geographic Information Systems (3) |
| GO 465 | Low Temperature Geochemistry (3) |
| GO 495 | Senior Research & Seminar (2) |

INFORMATION SYSTEMS (20-22 Hours)

| | |
|-----------|----------------------------------|
| CS 155 | Computer Science I (5) |
| CS 265 | Computer Science II (5) |
| CS 315 | C & the Unix Environment (3) |
| IS 130 | Visual Basic (3) |
| OR | |
| IS 266 | Visual Basic for Programmers (1) |
| IS 275 | Information Systems II (3) |
| IS 330 | Visual Basic II (3) |

SOIL SCIENCE (15 Hours)

| | |
|--------|---|
| AO 427 | Soil Fertility & Plant Nutrition (3) |
| GO 400 | Geomorphology (3) |
| GO 555 | Soil Classification & Resource Management |

Choose 6 Hours From:

| | |
|--------|------------------------------------|
| AO 550 | Soil Conservation (3) |
| GO 340 | Remote Sensing (3) |
| GO 445 | Geographic Information Systems (3) |
| GO 455 | Clay Mineralogy (3) |

FOOD SERVICE & HOSPITALITY MANAGEMENT

32 Hour Major - Management Minor Required

Required Courses:

| | |
|--------|---|
| FN 150 | Perspect on Foodsvc & Hospitality Mgt (1) |
| FN 205 | Selection & Preparation of Foods (3) |
| FN 235 | Nutrition for Health (3) |

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| | |
|--------|--|
| FN 260 | Sanitation/Foodsvc & Hospitality Indus (3) |
| FN 320 | Advanced Food Preparation (4) |
| FN 406 | Hospitality & Institution Admin (3) |
| FN 416 | Quantity Food Production (4) |
| FN 440 | Procrmnt/Hospitality & Foodsvc Oper (3) |
| FN 473 | Intrnshp/Foodsvc & Hospitality Envir (8) |

Additional Requirements: 18 Hours

| | |
|--------|--------------------------------------|
| AC 200 | Survey of Accounting (3) |
| AD 101 | Intro to Microcomputer Appl (3) |
| BL 255 | Legal Environ of Business (3) |
| MA 134 | College Algebra (3) |
| MK 301 | Principles of Marketing (3) |
| UI 301 | Managerial Communication Process (3) |

GEOGRAPHY

33 Hour Major - Minor Required

Required Courses:

| | |
|-----------|------------------------------|
| GG 140 | The Physical Landscape (3) |
| GG 150 | People & Places of the World |
| GG 160 | American People & Civ (3) |
| OR | |
| GG 170 | European People & Civ (3) |
| GG 180 | Cultural Geography (3) |
| GG 320 | Political Geography (3) |
| UI 307 | Economic Geography (3)* |
| UI 401 | American Cultural Landscape |

Elective sequence approved by advisor – to include 6 hours upper level GG prefix (12)
*No more than 3 hours of upper level UI coursework the major may count toward University Studies requirements.

GEOSCIENCE

40-50 Hour Major - No Minor Required

Required Geoscience Courses:

| | |
|--------|----------------------|
| GO 110 | Physical Geology (3) |
| GO 225 | Rocks & Minerals (3) |
| GO 310 | Field Methods (1) |

| | |
|--------|-------------------------------|
| GO 495 | Senior Research & Seminar (2) |
| UI 373 | Earth/Life Thru Time (3) |

Required Math & Science Courses:

| | |
|-----------|-------------------------|
| CH 181 | Basic Prin of Chem (5) |
| OR | |
| CH 185 | General Chemistry I (5) |
| MA 133 | Plane Trigonometry (2) |
| MA 134 | College Algebra (3) |

Choose One Core Specialization:

Professiona Geologist – 28 Hours

| | |
|--------|-------------------------------------|
| GO 335 | Sedimentology/Stratigraphy (4) |
| GO 345 | Mineralogy/Petrology (4) |
| GO 350 | Field Camp (4) |
| GO 360 | Structural Geology (3) |
| GO xxx | Any 300-500 level GO prefix courses |

Environmental Geoscientist - 28 hours

| | |
|--------|-------------------------------------|
| EV 454 | Risk Assessment Applications (3) |
| GO 340 | Remote Sensing (3) |
| GO 365 | Environmental Soil Science (4) |
| GO 400 | Geomorphology (3) |
| GO 445 | Geographic Info Systems (3) |
| GO 460 | Environmental Hydrology (3) |
| GO xxx | Any 300-500 level GO prefix courses |

General Earth Science – 18 Hours

| | |
|--------|-------------------------------------|
| GO 220 | Meteorology (3) |
| GO 320 | Oceanography (3) |
| GO 305 | Environmental Geoscience (3) |
| UI 416 | Planetary Exploration (3) |
| GO xxx | Any 300-500 level GO prefix courses |

Additional Requirements: 22 Hours* - (including 6 hours of MA prefix courses)

| | |
|--------|-----------------------------|
| CH 186 | General Chemistry II (3) |
| CH 341 | Organic Chemistry I (4) |
| CH 342 | Organic Chemistry Lab 1 (1) |
| PH 120 | Introductory Physics I (5) |
| PH 121 | Introductory Physics II (5) |
| PH 230 | General Physics I (5) |
| PH 231 | General Physics II (5) |

| | |
|--------|----------------------------|
| MA 139 | Applied Calculus (3) |
| MA 140 | Analyt Geom & Calc I (5) |
| MA 145 | Analyt Geom & Calc II (4) |
| MA 223 | Elem Prob & Stats (3) |
| MA 240 | Analyt Geom & Calc III (3) |

***Students choosing the General Earth Science specialization may elect to substitute a minor for the 22 hour elective sequence.**

HEALTH MANAGEMENT

**61-72 Hour Major - No Minor Required
(See Admission to Health Management: Athletic Training Program criteria under Admissions, page xx.)**

Required Courses:

| | |
|------------|-----------------------------------|
| FN 235 | Nutrition for Health (3) |
| HL 111 | Intro to Health Management (3) |
| HL 120 | Health Perspectives (3) |
| HL 231 | Fitness Conditioning (3) |
| HL 312 | Contemporary Drug Use (3) |
| HL 331/031 | Exercise Physiology (3) |
| HL 431 | Fitness Assmt & Exercise Prog (4) |
| HL 460 | Exercise Leadership (3) |
| HL 498 | Health Internship (12) |

Choose One Option:

ATHLETIC TRAINING (35 Hours)

| | |
|--------|--|
| FN 530 | Pathophysiology (3) |
| HL 251 | Intro to Athletic Injuries (3) |
| HL 263 | Sports Injury Management (3) |
| HL 265 | Therapeutic Modalities (4) |
| HL 280 | Basic Skills in Athletic Training (1) |
| HL 281 | Practicum in Athletic Training I (1) |
| HL 282 | Practicum in Athletic Training II (1) |
| HL 321 | Advanced Injury Assessment I (3) |
| HL 322 | Advanced Injury Assessment II (3) |
| HL 383 | Practicum in Athletic Training III (1) |
| HL 384 | Practicum in Athletic Training IV (1) |
| HL 444 | Rehab of Sports Injuries (3) |

| | |
|--------|----------------------------------|
| HL 472 | Admin of Athletic Training (3) |
| HL 480 | Seminar in Athletic Training (2) |
| PE 464 | Kinesiology (3) |

EXERCISE SCIENCE (24 Hours)

| | |
|--------|--------------------------------------|
| HL 251 | Intro to Athletic Injuries (3) |
| HL 261 | Exercise Science Practicum (3) |
| HL 303 | Research Methods (3) |
| HL 332 | Lifestyle Disease Risk Reduction (3) |
| HL 471 | Fitness Facility Admin (3) |
| PE 464 | Kinesiology (3) |

Electives - 6 Hours:

| | |
|------------|-------------------------|
| FN 200-500 | approved by advisor (3) |
| HL 300-500 | approved by advisor (3) |

HEALTH PROMOTION (27 Hours)

| | |
|-----------|--------------------------------------|
| FN 255 | Nutrition I (3) |
| OR | |
| FN 355 | Lifespan Nutrition (3) |
| HL 260 | Health Promotion Practicum (3) |
| HL 303 | Research Methods (3) |
| HL 332 | Lifestyle Disease Risk Reduction (3) |
| HL 432 | Health Promotion Programs (3) |
| HL 490 | Program Planning & Evaluating (3) |
| MG 301 | Management & Organiz Behav (3) |
| OR | |
| MK 301 | Principles of Marketing (3) |
| MG 355 | Supervisory Management (3) |
| OR | |
| MK 343 | Advertising & Promotion (3) |
| UI 354 | Lifestyle Enhancement (3) |

Additional Requirements: 12-18 Hours

| | |
|------------|-----------------------------------|
| BS 113/013 | Anatomy & Physiology I (3) |
| BS 114/014 | Anatomy & Physiology II (3) |
| CH 180 | Chemistry in Our World (3) |
| OR | |
| CH 181 | Basic Principles of Chemistry (5) |
| MA 134 | College Algebra (3) |
| PH 106 | Physical Concepts (3)* |
| PY 101 | Psych Perspect/Human Behav (3)* |

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*Required for Athletic Training Option only

HISTORIC PRESERVATION 60 Hour Major – No Minor Required HISTORIC PRESERVATION REQUIREMENTS

Required Courses:

| | |
|--------|---|
| GH 315 | Historiography (3) |
| HP 007 | Professional Portfolio Review (0) |
| HP 100 | Intro to Historic Preservation (3) |
| HP 200 | Intro to Techniques of Local History (3) |
| HP 585 | History of American Architecture (3) |
| HP 588 | Legal & Econ Prin of Historic Preserv (3) |

Choose 9 Hours From: (3 Hours Must be a Problems Course)

| | |
|--------|---|
| HP 405 | Archives & Spec Collections Studies (3) |
| HP 407 | Problems in Archives & Spec Coll Mgt |
| HP 410 | Museum Studies (3) |
| HP 417 | Problems in Appl Museum Studies (3) |
| HP 420 | Historic Site Administration (3) |
| HP 425 | Problems in Historic Site Admin (3) |
| HP 450 | Problems in Historic Preservation (3) |

Choose 9 Hours From:

| | |
|--------|--|
| HP 500 | Historic Preservation Internship I (3) |
| HP 501 | Historic Preservation Internship II (6) |
| HP 502 | Historic Preservation Internship III (9) |

INTERDISCIPLINARY PRESERVATION REQUIREMENTS

Choose 6 Hours From:

Any EH, GH, US, or WH 200-500 level course

Choose 3 Hours From:

Any EH, GH, US, or WH 400-500 level course

Choose 9 Hours From:

| | |
|--------|-----------------------------------|
| AD 101 | Intro to Microcomputer Appl (3) |
| AM 200 | Intro to American Studies (3) |
| AR 207 | Practical Drawing (3) |
| BL 255 | Legal Environment of Business (3) |
| HI 104 | Housing & Interior Design (3) |
| UI 351 | Public Opinion (3) |
| UI 371 | Government & Business (3) |
| UI 400 | Business & Ethics (3) |
| UI 425 | Persuasion (3) |
| TG 100 | Intro to Drafting (3) |
| TG 126 | Computer Assisted Drafting (3) |
| TG 274 | Photography Fundamentals (3) |
| TH 101 | Acting for Non-Majors (3) |

Choose 6 Hours From:

| | |
|--------|--------------------------------------|
| AH 511 | American Art (3) |
| HI 532 | History of Furniture II (3) |
| UI 302 | Westward Movement (3) |
| UI 312 | Perspectives on the Present (3) |
| UI 313 | African-American Experience (3) |
| UI 337 | Issues in 20th Cent Architecture (3) |
| UI 338 | Rural Sociology (3) |
| UI 339 | North American Indian (3) |
| UI 340 | Housing Perspectives (3) |
| UI 341 | Victorian Studies (3) |
| UI 347 | Living in a Global Society (3) |
| UI 401 | American Cultural Landscapes (3) |
| UI 414 | The American Temper (3) |
| UI 417 | Images of Britain (3) |
| UI 44x | Civil Rights Movement (3) |

Choose 3 Hours From:

| | |
|--------|--|
| AN 321 | Midwestern Archaeology (3) |
| AN 381 | North American Archaeology (3) |
| AN 540 | Cultural Resource Mgt (3) |
| AN 550 | Historical Archaeology (3) |
| HP 552 | Historic Preservation Field School (3) |
| UI 373 | Historical Geology (3) |

Additional Requirements: 30 Hours

(Courses may also meet University Studies Requirements)

| | |
|--------|----------------------------------|
| BS 105 | Environmental Biology (3) |
| EC 101 | Economic Problems & Policies (3) |
| PS 103 | U.S. Political Systems (3) |
| US 105 | American History I (3) |
| US 107 | American History II (3) |

Any Logical Systems course

Choose 3 Hours From:

| | |
|--------|---------------------------|
| AR 112 | Perspectives in Art (3) |
| PL 203 | Aesthetics & the Arts (3) |

Choose 3 Hours From:

| | |
|--------|-----------------------------------|
| AN 100 | Found of Human Behavior (3) |
| PL 204 | Ethical Theory (3) |
| PY 101 | Psych Perspect on Human Behav (3) |
| PY 151 | Social Decision Making (3) |

Choose 3 Hours From:

| | |
|--------|------------------------------------|
| GG 140 | The Physical Landscape (3) |
| GO 150 | Earth Science: Environ Hazards (3) |

Choose 3 Hours From:

| | |
|--------|-------------------------------------|
| GG 180 | Cultural Geography (3) |
| PL 245 | Social Philosophy (3) |
| SO 102 | Society, Culture & Soc Behavior (3) |
| SO 120 | Cities & Society (3) |
| SW 207 | Understanding Soc/Cul Diversity (3) |

**HUMAN ENVIRONMENTAL STUDIES:
CHILD DEVELOPMENT OPTION
50 Hour Major - No Minor Required**

Required Courses:

| | |
|--------|---|
| CF 102 | Personal & Family Relationships (2) |
| CF 120 | The Child: Devel/Conception to Adolsc (3) |
| CF 126 | Facilitating Devel in Young Children (3) |
| CF 200 | Guiding Alternatives/Young Children (3) |
| CF 290 | Preschool Participation (2) |

| | |
|--------|---|
| CF 291 | Preschool Participation Lab (1) |
| CF 300 | Working With Parents (2) |
| CF 301 | Working With Parents Lab (1) |
| CF 316 | Prenatl/Infnt Growth & Stimulation (2) |
| CF 317 | Prenatl/Infnt Grwth & Stimulation Lab (1) |
| CF 403 | Child & Family Practicum (3) |
| CF 430 | Parnt Chld Intractns: Systems Appr (3) |
| CF 450 | Teaching Young Children, Ages 3-5 (3) |
| CF 501 | Preschool Practicum (3) |
| CF 512 | Utiliz Family/Community Resources (3) |
| EX 390 | Psych & Educ of the Exceptional Child (3) |
| FN 425 | Hlth/Nutrition/Safety of Young Child (3) |

Choose 9 Hours From:

| | |
|--------|---|
| CF 312 | Organizn & Mgt of Childcare Centers (3) |
| CF 409 | School Age Child Care (3) |
| CF 502 | Preschool Children/Comptr Techn (3) |
| CF 506 | Theories & Issues in Child Dvlpment (3) |
| CF 509 | Child Life Services (3) |
| CF 530 | Research & Issues in Child Dvlpment (3) |

**HUMAN ENVIRONMENTAL STUDIES:
DIETETICS OPTION**

47 Hour Major - No Minor Required

Required Courses:

| | |
|--------|-------------------------------------|
| FN 205 | Food Selection & Preparation (3) |
| FN 255 | Nutrition I (3) |
| FN 320 | Advanced Food Preparation (4) |
| FN 340 | Professional Dietetic Seminar (1) |
| FN 355 | Lifespan Nutrition (3) |
| FN 370 | Nutrition Assessment (3) |
| FN 406 | Hospitality & Institution Admin (3) |
| FN 416 | Quantity Food Production (4) |
| FN 440 | Procurement (3) |

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| | |
|--------|---|
| FN 502 | Nutrition II (3) |
| FN 503 | Medical Nutrition Therapy I (4) |
| FN 504 | Medical Nutrition Therapy II (4) |
| FN 525 | Nutrition Counseling (3) |
| FN 540 | Community Nutrition (3) |
| HE 520 | Tech/Teaching Nutrition & Health Ed (3) |

Additional Requirements: 53 Hours
(Some courses may fulfill University Studies requirements)

| | |
|------------|--|
| AC 221 | Prin of Financial Accounting (3) |
| AD 101 | Intro to Microcomputer Appl (3) |
| AG 201 | World Food & Society (3) |
| BS 113 | Anatomy & Physiology I (3) |
| BS 114 | Anatomy & Physiology II (3) |
| BS 340 | Microorganisms/Human Host (3) |
| CH 181 | Basic Prin of Chemistry (5) |
| CH 234 | Organic & Biol Chemistry (3) |
| EN 140 | Rhetoric & Critical Thinking (3) |
| FN 235 | Nutrition for Health (3) |
| HL 331/031 | Exercise Physiology (3) |
| MA 134 | College Algebra (3) |
| MK 301 | Principles of Marketing (3) |
| PY 101 | Psych Perspectives/Human Behavior (3) |
| PY 271 | Research Methods (3) |
| SC 105 | Fundamentals of Oral Communication (3) |
| SO 102 | Society, Culture & Social Behavior (3) |

HUMAN ENVIRONMENTAL STUDIES: FAMILY LIFE OPTION
50 Hour Major - Minor Required

Required Courses:

| | |
|--------|---|
| CF 102 | Personal & Family Relationships (2) |
| CF 120 | The Child: Devel/Conception to Adolsc (3) |
| CF 206 | Intro to Gerontology (3) |
| CF 207 | Eldercare Experiences (3) |
| CF 208 | Intimate Environment (3) |
| CF 300 | Working with Parents (2) |
| CF 301 | Working with Parents Lab (1) |

| | |
|--------|---|
| CF 402 | Marriage Interaction (3) |
| CF 403 | Child & Family Practicum (3) |
| CF 512 | Utiliz Family & Community Resources (3) |
| CT 518 | Social Psych Aspects of Clothing (3) |
| FE 514 | Family Financial Management (3) |
| FN 235 | Nutrition for Health (3) |
| HI 518 | Environ Design/Spec Populations (3) |
| SC 155 | Fund of Interpers Communication (3) |
| SO 385 | Family Violence (3) |
| UI 317 | Human Sexuality (3) |
| UI 355 | Consumer & the Market (3) |

HUMAN ENVIRONMENTAL STUDIES: FASHION MERCHANDISING OPTION
38 Hour Major - Retail Management Minor Required

Required Courses:

| | |
|--------|------------------------------------|
| CT 110 | Intro to Fashion Merchandising (3) |
| CT 207 | Textiles (3) |
| CT 230 | Apparel Analysis (3) |
| CT 300 | Professional Image & Behavior (2) |
| CT 350 | Apparel Aesthetics (3) |
| CT 410 | Internship (6) |
| CT 415 | Fashion Retailing (3) |
| CT 420 | Specialty Markets (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) |

Additional Requirements: 15 Hours

| | |
|--------|----------------------------------|
| AD 101 | Intro to Microcomp Appl (3) |
| AR 104 | Design Foundations (3) |
| EC 101 | Economic Problems & Policies (3) |
| MG 301 | Management & Organiz Behav (3) |
| MG 356 | Human Resources Management I (3) |

**HUMAN ENVIRONMENTAL STUDIES:
HOUSING & INTERIOR DESIGN
OPTION**

45 Hour Major - No Minor Required

Required Courses:

| | |
|--------|------------------------------------|
| CT 207 | Textiles I (3) |
| HI 104 | Housing & Interior Design I (3) |
| HI 220 | Lighting & Interior Design (3) |
| HI 224 | Design Illustration (3) |
| HI 230 | Residential Interior Design I (3) |
| HI 370 | Materials & Cost Estimating (3) |
| HI 420 | Prof Practice/Interior Design (3) |
| HI 430 | Residential Interior Design II (3) |
| HI 440 | Contract Interior Design I (3) |
| HI 442 | Contract Interior Design II (3) |
| HI 470 | Interior Design Practicum (3) |
| HI 530 | History of Furniture I (3) |
| HI 532 | History of Furniture II (3) |
| UI 340 | Housing Perspectives (3) |

Choose 3 Hours From:

| | |
|--------|--|
| HI 214 | Display Design (3) |
| HI 400 | Arch Rendering/Interior Design (3) |
| HI 411 | Internship in Housing & Int Design (3) |
| HI 518 | Environ Design/Spec Populations (3) |

Additional Requirements: 20-21 Hours

| | |
|-----------|--------------------------------|
| AR 104 | Design Foundations (3) |
| MK 301 | Principles of Marketing (3) |
| TG 100 | Intro to Drafting (3) |
| OR | |
| TG 120 | Engineering Graphics (3) |
| TG 126 | Computer Assisted Drafting (3) |
| TG 320 | Architectural Drawing I (3) |
| TG 322 | Architectural Drawing II (3) |

Choose One of the Following Courses:

| | |
|--------|-----------------------------------|
| HO 330 | Landscape Planting Design (3) |
| HO 355 | Foliage Plants (3) |
| HO 530 | Home Horticulture (2) |
| HP 585 | History/American Architecture (3) |

INDUSTRIAL TECHNOLOGY

**78 Hour Major - No Minor Required
Required Courses:**

| | |
|-----------|-------------------------------------|
| IM 102 | Technical Communication (3) |
| IM 211 | Industrial Safety Supervision (3) |
| IM 311 | Statistical Process Control (3) |
| IM 419 | Industrial Supervision (3) |
| MA 133 | Plane Trigonometry (2) |
| MA 134 | College Algebra (3) |
| MA 139 | Applied Calculus (3) |
| MN 260 | Tech Computer Programming Appl (3) |
| PH 120 | Introductory Physics I (5) |
| PH 121 | Introductory Physics II (5) |
| OR | |
| CH 181 | Basic Principles of Chemistry (5)* |
| UI 319 | Technology & Society (3) |
| UI 410 | Manufac Research/Global Society (3) |

***Construction Management and Design and Industrial Management options must take CH181.**

Choose One Option:

**CONSTRUCTION MANAGEMENT &
DESIGN (39 Hours)**

| | |
|--------|---|
| CM 310 | Construction Contracts & Bldg Codes (3) |
| CM 320 | Construction Cost Estimating (3) |
| CM 330 | Construction Planning Scheduling (3) |
| CM 342 | Construction Technology (3) |
| CM 410 | Construction Project Administration (3) |
| ET 261 | Residential Wiring (3) |
| IM 317 | Internship (6) |
| MN 319 | Statics & Strength of Materials (3) |
| TG 100 | Introduction to Drafting (3) |
| TG 126 | Computer Aided Drafting (3) |
| TG 320 | Architectural Drafting I (3) |
| TG 322 | Architectural Drafting II (3) |

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ELECTRONICS & COMPUTER TECHNOLOGY (39 Hours)

| | |
|-----------|--|
| ET 162 | DC/AC Principles & Circuits I (3) |
| ET 164 | DC/AC Principles & Circuits II (3) |
| ET 194 | Intro to PLC's (3) |
| ET 260 | Electronic Circ Design & Analysis I (3) |
| ET 262 | Electronic Circ Design & Analysis II (3) |
| ET 364 | Logic Circuits (3) |
| OR | |
| EP 305 | Digital & Analog System Design (3) |
| ET 365 | Industrial Electrical Power (3) |
| ET 366 | Microcontrollers (3) |
| ET 368 | Advanced Digital Principles (3) |
| ET 462 | Networking I (3) |
| ET 464 | Telecommunications & Networking II (3) |
| ET 465 | Computer Peripherals (3) |
| ET 468 | Industrial Controls (3) |

INDUSTRIAL MANAGEMENT (39 Hours)

| | |
|--------|---|
| ET 160 | Basic Electricity & Electronics (3) |
| ET 194 | Intro to PLC's (3) |
| IM 313 | Facilities Planning (3) |
| IM 315 | Work Measurement (3) |
| IM 411 | Total Quality Assurance (3) |
| IM 417 | Manufacturing Resource Analysis (3) |
| MG 301 | Management & Org Behavior (3) |
| MN 170 | Industrial Materials & Testing (3) |
| MN 203 | Industrial Materials & Process I (3) |
| MN 204 | Industrial Materials & Processes II (3) |
| QM 352 | Quantitative Methods (3) |
| TG 120 | Computer Aided Eng. Graphics (3) |
| TG 125 | Print Reading for Industry (3) |

TECHNICAL GRAPHICS (39 Hours)

| | |
|-----------|--|
| TG 120 | Computer Aided Eng. Graphics (3) |
| TG 125 | Print Reading for Industry (3) |
| TG 170 | Intro to Graphics (3) |
| TG 220 | Solid Modeling & Rapid Prototyping (3) |
| TG 272 | Electronic Publishing (3) |
| TG 320 | Architectural Design I (3) |
| TG 322 | Architectural Design II (3) |
| OR | |
| TG 274 | Photography Fundamentals (3) |
| TG 324 | Design Modeling & Processes (3) |
| TG 326 | Industrial Production Drafting (3) |
| TG 374 | Digital Imaging & Editing (3) |
| TG 376 | Multimedia & Animation (3) |
| TG 422 | Multicolor Print Processes (3) |
| TG 472 | Advanced Graphics Projects (3) |

TECHNOLOGY (34 Hours)

The Technology option is specifically designed for students who have earned accredited Associate of Applied Science degrees in technically-oriented programs and desire to complete a Bachelor of Science degree in Industrial Technology. Students will be awarded up to 34 hours for the approved technical transfer courses. To complete the BS degree, students must complete the University Studies requirements and the Industrial Technology core courses. In addition, students will select 18 credit hours of technical electives (at least 15 hours at the senior division level) to build upon the skills gained through the AAS degree. Contact the Department of Industrial and Engineering Technology or see <http://www4.semo.edu/iet/technology.htm> for further information.

INTERDISCIPLINARY STUDIES

76 Hour Major - No Minor Required

For details about the Interdisciplinary Studies major, students contact the School of University Studies or visit the School of University Studies web page at <http://ustudies.semo.edu/content/>. Students must complete the contract prior to the junior year. A cumulative GPA of 2.5 is required for graduation.

MANUFACTURING ENGINEERING TECHNOLOGY

87-89 Hour Major - No Minor Required

Math and Science Requirements:

| | |
|-----------|---|
| CH 181 | Basic Principles of Chemistry (5) |
| MA 133 | Plane Trigonometry (2) |
| MA 134 | College Algebra (3) |
| MA 139 | Applied Calculus (3) |
| OR | |
| MA 140 | Analytic Geometry & Calculus I (5) |
| MA 223 | Elementary Probability & Statistics (3) |
| MN 260 | Techncl Computer Programng Appl (3) |
| PH 120 | Introductory Physics I (5) |
| PH 121 | Introductory Physics II (5) |

Technical Requirements:

| | |
|--------|---|
| ET 160 | Basic Electricity & Electronics (3) |
| ET 194 | Intro to PLC's (3) |
| IM 102 | Technical Communications (3) |
| IM 211 | Industrial Safety Supervision (3) |
| IM 311 | Statistical Process Control (3) |
| IM 417 | Manufacturing Resource Analysis (3) |
| MN 170 | Industrial Materials & Testing (3) |
| MN 203 | Industrial Materials & Processes I (3) |
| MN 204 | Industrial Materials & Processes II (3) |
| MN 220 | Engineering Economic Analysis (3) |
| MN 319 | Statics & Strengths of Materials (3) |
| MN 354 | Computer Aided Manufacturing (CAM) (3) |
| MN 356 | Robotics (3) |
| MN 383 | Fluid Power (3) |
| MN 402 | Plastics & Processes (3) |
| MN 412 | Advanced Manufacturing Systems (3) |
| MN 416 | Manufacturing Seminar (1) |
| TG 120 | Computer Aided Eng. Graphics (3) |
| TG 220 | Solid Modeling & Rapid Prototyping (3) |
| UI 410 | Manufacturing Research (3) |

(Internship is recommended)

MASS COMMUNICATION

34 Hour Major - Minor to be chosen from list of approved minors.

A grade of 'C' or better is required in all courses within the major except MC 486 which is a credit/no credit course.)

Required Courses:

| | |
|------------|--------------------------------------|
| MC 101 | Mass Communication & Society (3) |
| MC 201 | Writing for the Mass Media (3) |
| MC 301 | Mass Comm Theory & Resrch (3) |
| MC 401 | Communication Law (3) |
| MC 402 | Seminar in Mass Communication (1) |
| MC 486 | Internship in Mass Communication (3) |
| OR | |
| MC 491-496 | Practicum (3) |

Additional Requirement:

| | |
|--------|---|
| MA 155 | Statistical Reasoning (3)* |
| UI 382 | Hist & Phil of American Mass Media (3)* |

A grade of 'C' or better is required in MA 155 and UI 382.

Choose One 15 Hour Option:

ADVERTISING

| | |
|--------|------------------------------------|
| MC 310 | Advertising Principles (3) |
| MC 312 | Advertising Techniques I (3) |
| MC 314 | Advertising Tech: Copy Writing (3) |
| MC 416 | Advertising Media (3) |
| MC 418 | Advertising Campaigns (3) |

Choose a minor in: Art, Communication for Legal Professionals, Foreign Language, Graphic Communication Technology, Psychology: General, Retail Management, Sales Management, Sociology, or Writing.

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PUBLIC RELATIONS

| | |
|--------|--------------------------------------|
| MC 322 | Publication Editing & Production (3) |
| MC 330 | Public Relations Principles (3) |
| MC 332 | Publicity Techniques (3) |
| MC 434 | Public Relations Case Studies (3) |
| MC 4xx | Public Relations Campaign (3) |

Choose a minor in: Art, Communication for Legal Professionals, Foreign Language, Graphic Communication Technology, International Studies, Political Science, Psychology, Sales Management, or Writing.

RADIO

| | |
|--------|------------------------------------|
| MC 340 | Basic Radio (3) |
| MC 342 | Radio Programming Strategies (3) |
| MC 344 | Audio Production & Performance (3) |
| MC 346 | Electronic News Gathering (3) |
| MC 448 | Radio Station Administration (3) |

Choose a minor in: Communication for Legal Professionals, Foreign Language, Electronic Technology, Information Systems, Management, Sales Management, or Political Science.

VIDEO PRODUCTION

| | |
|--------|-------------------------------|
| MC 351 | Basic Video Production (3) |
| MC 352 | Video Post Production (3) |
| MC 458 | Advanced Video Production (3) |
| MC 466 | TV Directing (3) |
| MC 467 | Television Systems (3) |

Choose a minor in: Art, Business Communication, Electronic Technology, Graphic Communication Technology, Human Resource Management, Sales Management, Technical Theatre, or Writing.

NOTE: Mass Communication majors are limited to 34 hours in MC prefix courses. Of the 90 hours required outside of the major, 65 hours must be from traditional Arts and Science courses.

MATHEMATICS

43 Hour Major - No Minor Required

Required Courses:

| | |
|--------|--------------------------------------|
| MA 138 | Discrete Mathematics I (3) |
| MA 140 | Analytic Geometry & Calculus I (5) |
| MA 145 | Analytic Geometry & Calculus II (4) |
| MA 240 | Analytic Geometry & Calculus III (3) |
| MA 250 | Foundations of Mathematics (3) |
| MA 448 | Mathematics Seminar (1) |

Choose one option:

PURE MATHEMATICS (24 Hours)

| | |
|--------|---------------------------|
| MA 345 | Linear Algebra (3) |
| MA 445 | Modern Algebra (3) |
| MA 523 | Probability & Stats I (3) |
| MA 546 | Advanced Calculus I (3) |

Choose 12 Hours MA courses higher than MA 250

One course must be chosen from MA 524, MA 540, MA 544, MA 545, MA 547, MA 550

APPLIED MATHEMATICS & STATISTICS (24 Hours)

| | |
|--------|-----------------------------------|
| MA 223 | Elem Probability & Statistics (3) |
|--------|-----------------------------------|

Choose 3 Hours From:

| | |
|--------|---------------------------|
| MA 445 | Modern Algebra (3) |
| MA 523 | Probability & Stats I (3) |
| MA 546 | Advanced Calculus I (3) |

Choose 15 Hours From (include at least 3 MA courses):

| | |
|--------|-------------------------------|
| MA 245 | Vector Calculus (2) |
| MA 334 | Computer Programming (3) |
| MA 338 | Discrete Math II (3) |
| MA 345 | Linear Algebra (3) |
| MA 350 | Differential Equations I (3) |
| MA 464 | Math Cryptography (3) |
| MA 523 | Probability & Stats I (3) |
| MA 524 | Probability & Stats II (3) |
| MA 544 | Numerical Analysis (3) |
| MA 545 | Linear Algebra & Matrices (3) |
| MA 546 | Advanced Calculus I (3) |

| | |
|--------|------------------------------------|
| MA 547 | Advanced Calculus II (3) |
| MA 550 | Differential Equations II (3) |
| MA 580 | Exp Design & Anlys of Variance (3) |
| UI 388 | Mathematical Modeling (3) |
| CH 311 | Physical Chemistry I (4) |
| CH 312 | Physical Chemistry II (3) |
| CS 345 | Found of Computer Sci (3) |
| EP 261 | Eng Mech Statics (3) |
| EP 262 | Eng Mech Dynamics (3) |
| EP 361 | Thermal Analysis (3) |
| EP 372 | Signals & Systems (3) |
| EP 374 | Control Systems (3) |
| PH 341 | Optics (3) |
| PH 370 | Mechanics (3) |
| PH 371 | Electromagnetics (3) |
| PH 570 | Mathematical Physics (3) |

Choose 3 Hours From:

| | |
|--------|-------------------------------|
| MA 524 | Probability & Stats II (3) |
| MA 544 | Numerical Analysis (3) |
| MA 545 | Linear Algebra & Matrices (3) |
| MA 547 | Advanced Calculus II (3) |
| MA 550 | Differential Equations II (3) |

MEDICAL TECHNOLOGY

73-77 Hour Major - No Minor Required

Required Courses:

| | |
|--------|--|
| BI 200 | General Microbiology (3) |
| BI 381 | Genetics (3) |
| BI 442 | Immunology (3) |
| BI 543 | Pathogenic Microbiology (2) |
| BI 544 | Pathogenic Microbiology Laboratory (1) |
| BS 103 | Human Biology (3) |
| | OR |
| BS 108 | Biology for Living (3) |
| | OR |
| BI 190 | Life Processes (4) |
| 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) |

| | |
|--------|-------------------------------------|
| MA 134 | College Algebra or H.S. equiv (0-3) |
| MA 223 | Elem Probability & Statistics (3) |
| ZO 331 | Animal Physiology (3) |

OR

| | |
|--------|----------------------|
| BS 332 | Human Physiology (3) |
| UI 331 | Biochemistry I (3) |

Clinical Year Program Off Campus (30 Hours)

PHYSICS

56 Hour Major - No Minor Required

Required Courses:

| | |
|--------|------------------------------------|
| EP 100 | Physics & Engineering Concepts (1) |
| EP 342 | Electronic Circuits I (3) |
| EP 361 | Thermal Analysis (3) |
| EP 462 | Materials Science (3) |
| PH 230 | General Physics I (5) |
| PH 231 | General Physics II (5) |
| PH 341 | Optics (3) |
| PH 345 | Experimental Methods I (3) |
| | OR |
| UI 330 | Experimental Methods I (3) |
| PH 360 | Modern Physics (3) |
| PH 370 | Mechanics (3) |
| PH 371 | Electromagnetics (3) |
| PH 445 | Experimental Methods II (3) |
| PH 473 | Quantum Mechanics (3) |
| PH 570 | Mathematical Physics (3) |

Choose 12 Hours Approved EP or PH Electives

Additional Requirements: 25 Hours

| | |
|--------|--------------------------------------|
| CH 185 | General Chemistry I (5) |
| MA 140 | Analytic Geometry & Calculus I (5) |
| MA 145 | Analytic Geometry & Calculus II (4) |
| MA 240 | Analytic Geometry & Calculus III (3) |
| MA 245 | Vector Calculus (2) |
| MA 334 | Computer Programming (3) |
| MA 350 | Differential Equations (3) |

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POLITICAL SCIENCE

36 Hour Major - Minor 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 21 Hours From the Following Categories:
(Select 3 Hours from Each of the Five Categories, plus 6 Additional Hours From One Category)

American Government & Politics

| | |
|------------|---|
| PS 230 | American Public Policy (3) |
| PS 310 | Govt & Politics in American States (3) |
| PS 330 | American Presidency (3) |
| PS 335 | American Foreign Policy (3) |
| PS 360 | Political Parties & Voting Behavior (3) |
| PS 365 | Legislative Process (3) |
| PS 387-389 | Independent Study (1-3) |
| PS 390 | American Judicial System (3) |
| PS 418 | Public Policy Analysis (3) |
| PS 420 | Food & Rural Policy in the U.S. (3) |
| PS 490 | Constitutional Law (3) |
| UI 320 | Modern Presidency (3) |
| UI 4xx | Contemp Political/Social Issues (3) |

Comparative Government & Politics

| | |
|------------|------------------------------------|
| PS 355 | Third World Politics (3) |
| PS 387-389 | Independent Study (1-3) |
| PS 450 | Govt & Pol East/Central Europe (3) |
| PS 460 | Govt & Politics West Europe (3) |
| PS 570 | Comparative Government (3) |
| UI 350 | Middle East Politics (3) |

International Politics

| | |
|--------|-----------------------------|
| PS 280 | Intro to Global Issues (3) |
| PS 335 | American Foreign Policy (3) |

| | |
|------------|-------------------------------------|
| PS 380 | International Organizations (3) |
| PS 387-389 | Independent Study (1-3) |
| PS 580 | International Politics (3) |
| PS 595 | International Law (3) |
| UI 322 | International Political Economy (3) |
| UI 350 | Middle East Politics (3) |

Public Administration

| | |
|------------|---------------------------------------|
| PI 381-383 | Internship in Political Science (1-3) |
| PS 230 | American Public Policy (3) |
| PS 384-386 | Internship in Political Science (3) |
| PS 387-389 | Independent Study (1-3) |
| PS 402 | Fund of Public Administration (3) |
| PS 403 | Public Personnel Administration (3) |
| PS 415 | Government Budgeting Process (3) |
| PS 418 | Public Policy Analysis (3) |
| PS 420 | Food & Rural Policy in the U.S. (3) |
| PS 425 | Administrative Law & Procedure (3) |

Political Theory

| | |
|------------|--------------------------------------|
| PS 387-389 | Independent Study (1-3) |
| PS 440 | Political Theory (3) |
| UI 342 | Modern Political Thought (3) |
| UI 357 | Early American Political Thought (3) |
| UI 358 | Foundations of Political Thought (3) |
| UI 361 | Contemporary Political Theory (3) |
| UI 440 | The Holocaust (3) |

Choose 6 Hours PS Electives

Additional Requirements: 8-11 Hours

| | |
|--------|--|
| AD 101 | Intro to Microcomp Appl (3) |
| MA xxx | 5 Hours MA 133 or above (5) (except MA 230, 318, 418) |

Choose 3 Hours From:

| | |
|--------|------------------------------------|
| MA 223 | Elem Probability & Statistics (3) |
| PY 271 | Research Design & Analysis I (3) |
| PY 571 | Intro to Behavioral Statistics (3) |

QM 257 Business Statistics (3)
SO 242 Statistics for Social Scientists (3)

PSYCHOLOGY

36 Hour Major - Minor Required

Required Core Courses:

PY 102 Intro to Psychology (3)
PY 271 Research Design & Analysis I (3)
PY 370 Research Design & Analysis II (3)
PY 484 Advanced Research in Psychology (3)
PY 497 Historical Development of Psychology (3)

Extended Core Courses:

(Choose One Course From Each of the Following Five Areas) (15 hours)

Basic Processes

PY 362 Learning & Memory (3)
PY 366 Intro to Sensation & Perception (3)
PY 466 Intro to Physiological Psychology (3)

Clinical/Personality

PY 432 Intro to Personality (3)
PY 440 Abnormal Psychology (3)
PY 441 Intro to Clinical Psychology (3)
Cognition
PY 353 Social Cognition (3)
PY 364 Comparative Cognition (3)
PY 460 Cognitive Processes (3)

Developmental Psychology

PY 120 The Child: Devel/Concept to Adolsc (3)
PY 220 Psychological Devel Across Life Span (3)
PY 222 Development of the Adolescent (3)
PY 525 Maturity & Aging (3)

Social/Applied Psychology

PY 250 Applied Psychology (3)

PY 251 Industrial/Organizational Psychology (3)
PY 358 Social Psychology (3)

Elective Courses:

(Choose Two Additional Courses From One of the Following Five Areas). PY 495 may be taken only once to satisfy this option requirement (6 hours)

Basic Processes

PY 362 Learning & Memory (3)
PY 366 Intro to Sensation & Perception (3)
PY 465 Motivation & Emotion (3)
PY 466 Intro to Physiological Psychology (3)

Clinical/Personality

PY 432 Intro to Personality (3)
PY 440 Abnormal Psychology (3)
PY 441 Intro to Clinical Psychology (3)
PY 442 Psychotherapy (3)
PY 444 Childhood Psychopathology (3)
PY 495 Internship in Psychology (3)
PY 531 Psychological Testing (3)
PY 543 Clinical Psychopharmacology (3)

Cognition

PY 353 Social Cognition (3)
PY 460 Cognitive Processes (3)
PY 364 Comparative Cognition (3)

Developmental Psychology

PY 325 Psychological Devel of the Family (3)
PY 444 Childhood Psychopathology (3)
PY 495 Internship in Psychology (3)
PY 521 Advanced Child Development (3)
PY 525 Maturity & Aging (3)
PY 529 Psychology of Death & Dying (3)

Social/Applied Psychology

PY 250 Applied Psychology (3)
PY 251 Industrial/Organizational Psychology (3)
PY 358 Social Psychology (3)

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| | |
|--------|-----------------------------------|
| PY 359 | Psychology & the Law (3) |
| PY 450 | Organizations as Open Systems (3) |
| PY 495 | Internship in Psychology (3) |
| PY 553 | Perspectives on Stress (3) |

| | |
|--------|--|
| RC 324 | Independent Study/Therapeutic Rec (3) |
| RC 345 | Youth Development Through Leisure (3) |
| RC 360 | Therapeutic & Adapted Rec Srvcs (3) |
| RC 450 | Outdoor Adventure Therapy (3) |
| RC 460 | Problems & Issues in Therapeutic Rec (3) |
| UI 354 | Lifestyle Enhancement (3) |
| UI 387 | Environ Law & Public Policy (3) |
| UI 427 | Service & Community (3) |
| UI 429 | Environmental Ethics (3) |

RECREATION 57 Hour Major - No Minor Required

Required Courses:

| | |
|--------|---|
| RC 100 | Leisure in a Diverse Culture (3) |
| RC 140 | Intro to Recreation Services (3) |
| RC 220 | Leadership and Group Dynamics (3) |
| RC 260 | Intro to Therapeutic Recreation (3) |
| RC 288 | Practicum in Recreation Services (3) |
| RC 303 | Research Methods (3) |
| RC 380 | Programming for Recreation Services (3) |
| RC 385 | Rec Facilities Planning & Mgmt (3) |
| RC 405 | Trends & Issues in Rec & Leisure (3) |
| RC 420 | Organization & Admin of Rec Svcs (3) |
| RC 440 | Facilitation of Group Development (3) |
| RC 497 | Recreation Internship (12) |

Choose 12 Hours From:

| | |
|--------|--|
| RC 112 | Music as Therapy (3) |
| RC 116 | Special Topics in Health & Leisure (1-3) |
| RC 119 | Outdoor Adventure Special Topics (1-3) |
| RC 210 | Camp Leadership (3) |
| RC 230 | Recreational Sports (3) |
| RC 245 | Mentoring Principles & Practices (3) |
| RC 250 | Foundations of Outdoor Recreation (3) |
| RC 270 | Commercial Recreation (3) |
| RC 300 | Leisure Education (3) |
| RC 316 | Special Topics in Health & Leisure (1-3) |

NOTE: Therapeutic Recreation is a specific area in which professional certification can be earned. Inquire at the Department of Health, Human Performance and Recreation for specific information to prepare for certification. First Aid/CPR certification is strongly encouraged for all Recreation majors.

SOCIAL WORK

54 Hour Major - No Minor Required
(See Admission to Social Work Program criteria under Admissions, page xx. A grade of 'C' or better is required in all courses within the major including additional requirements.)

Required Courses:

| | |
|-------------|--|
| SW 110 | Intro to Social Work (3) |
| SW 207 | Undrstndg Cultrl & Soc Diversity (3) |
| SW 2xx | Social & Economic Justice (3) |
| SW 2xx | Interviewing Skills for Generalist Pract (3) |
| SW/SO/AN242 | Statistics for Social Scientists (3) |
| OR | |
| PY 271 | Research Design & Analysis I (3) |
| SW 307 | Human Behav/Social Environment I (3) |
| SW 308 | Human Behav/Social Environment II (3) |
| SW 310 | Social Welfare Policies & Services (3) |
| SW 321/021 | Social Work Practice I (3) |
| SW 322/022 | Social Work Practice II (3) |
| SW 323 | Social Work Practice III (3) |

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| | |
|--------|--|
| SW 342 | Meth of Soc Resrch/Soc Work Practc (3) |
| SW 449 | Social Work Integrative Seminar (3) |
| SW 450 | Practicum in Social Work (6) |
| SW 451 | Practicum in Social Work (6) |

Choose 6 Hours From:

| | |
|------------|---|
| HS 551 | Case Management (3) |
| SO 455 | Group Dynamics (3) |
| SW 351 | Child Welfare Services (3) |
| SW 352 | Social Welfare Services to the Aged (3) |
| SW 355 | Special Topics in Social Work (3) |
| SW 387-389 | Independent Study in Social Work (1-3) |
| SW 550 | Management Supervision (2) |

(With approval from advisor, one other 300 or 400 level course may be substituted for a Social Work elective.)

Additional Requirements: 9 Hours

| | |
|-----------|--|
| SW/BS 103 | Human Biology (3) |
| PY 101 | Psych Perspectives/Human Behavior (3) |
| SO 102 | Society, Culture & Social Behavior (3) |

SOCIOLOGY

30-33 Hour Major - Minor Required

Required Courses:

| | |
|--------|--|
| SO 200 | Intro to Social Organization (3) |
| SO 242 | Statistics for Social Scientists (3) |
| SO 345 | Methods of Social Research (3) |
| SO 490 | Development of Sociological Theory (3) |
| SO 495 | Senior Seminar (3) |

OR

| | |
|--------|----------------------------|
| SI 496 | Sociology Internship (3-6) |
|--------|----------------------------|

Choose a 15 Hours Elective Sequence
Approved by Advisor

SPORT MANAGEMENT

40 Hour Major - Business Administration
Minor Required

Required Core Courses:

| | |
|--------|---|
| PE 201 | Sport & Society (3) |
| PE 235 | Psychology of Coaching & Human Performance (3) |
| PE 238 | Foundatns, History, Philosophy of Phys Educ & Sport Mgt (3) |
| PE 460 | Sports Administration I (3) |
| SM 360 | Sport Governance & Event Management (3) |
| SM 370 | Sport Management Practicum (3) |
| SM 455 | Sport Related Venue Design & Operation (3) |
| SM 465 | Sport Management Senior Seminar (1) |
| SM 470 | Sport Management Internship (12) |
| SM 540 | Legal Aspects of Sport & Physical Activity (3) |
| SM 570 | Mgnt & Leadrshp in Sport Orgs (3) |

Required Support Courses:

| | |
|--------|---|
| MC 101 | Mass Communication & Society (3) |
| PL 204 | Ethical Theory (3) |
| SC 105 | Fund of Oral Communication (3) |
| SC 155 | Fund of Interpersonal Communication (3) |

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For students planning careers in business. See Admission to Business Administration Programs criteria under Admissions, page 10. The areas from which majors must be chosen are:

| |
|-----------------------------------|
| Accounting |
| Administrative Systems Management |
| Economics |
| Options: |
| Business Economics |
| Financial Economics |
| Finance |
| International Business Management |

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Options:

Human Resource Management
Operations Management
Organizational Leadership

Management Information Systems

Marketing

Options:

Integrated Marketing Communica-
tions

Marketing Management

Organizational Administration

Fifty percent of an individual's business degree program (62 hours) must be comprised of non-business courses. Fifty percent of the business hours counted toward a business degree must be taken at Southeast Missouri State University.

BUSINESS ADMINISTRATION CORE

Business students must be admitted to the College of Business prior to enrolling in upper division (300 level or above) business courses.

33 Hours Required

(A grade of 'C' is required in each core course.)

Required Courses:

| | |
|--------|---|
| AC 221 | Principles of Financial Accounting (3) |
| AC 222 | Principles of Managerial Accounting (3) |
| BA 490 | Business Policies & Strategies (3) |
| BL 255 | Legal Environment of Business (3) |
| FI 361 | Financial Management (3) |
| MG 301 | Management & Organiz Behav (3) |
| MG 358 | Production/Operations Management (3) |
| MI 375 | Management Information Systems (3) |
| MK 301 | Principles of Marketing (3) |
| QM 352 | Quantitative Methods in Business (3) |

Choose 3 Hours From:*

| | |
|--------|--|
| AC 540 | International Perspectives of Accounting (3) |
| BA 560 | International Business Study Tour (3) |
| EC 580 | International Economics (3) |
| FI 540 | International Finance (3) |

MG 560 International Management (3)

MK 560 International Marketing (3)

* International Course taken to meet Business Administration Core requirement may not be counted on a major.

Support Courses

29-30 Hours Required

(Some courses may fulfill University Studies requirements. A grade of 'C' or better is required in each support course.)

| | |
|--------|--|
| AD 101 | Intro to Microcomputer Applications (3)* |
| EC 215 | Principles of Microeconomics (3) |
| EC 225 | Principles of Macroeconomics (3) |
| EN 140 | Rhetoric & Critical Thinking (3) |
| MA 134 | College Algebra (3) |
| MA 139 | Applied Calculus (3) |
| MG 252 | Business Communication (3) |
| QM 257 | Business Statistics (3) |
| SC 105 | Fundamentals of Oral Communication (3) |
| UI 400 | Business & Ethics (3) |

NOTE: All 100 and 200 level core and support courses are prerequisite to all 300 level business core and business major courses.

ACCOUNTING

27 Hour Major - No Minor Required

Required Courses:

| | |
|--------|------------------------------------|
| AC 321 | Intermediate Accounting I (3) |
| AC 330 | Accounting Information Systems (3) |
| AC 331 | Cost/Managerial Accounting (3) |
| AC 332 | Intermediate Accounting II (3) |
| AC 435 | Income Tax Accounting (3) |
| AC 437 | Auditing (3) |

Choose 9 Hours From:

| | |
|--------|--|
| AC 339 | Managerial Accounting (3) |
| AC 375 | Financial Statement Analysis (3) |
| AC 473 | Internship in Accounting (3) |
| AC 493 | Independent Study in Accounting (3) |
| AC 531 | Strategic/Cost Managerial Accounting (3) |

| | | | |
|--------|---|--------|--|
| AC 540 | International Perspectives in Acctg (3) | AD 337 | Admin Systems Mgmnt Internship (3) |
| AC 545 | Advanced Income Tax Accounting (3) | AD 422 | Training in Admin Systems (3) |
| AC 548 | Not-For-Profit Accounting (3) | IS 130 | Visual Basic Programming I (3) |
| BL 455 | Contracts (3) | MG 356 | Human Resources Management I (3) |
| FI 363 | Small Business Finance (3) | UI 301 | Managerial Communication Processes (3) |
| FI 368 | Investments (3) | | |
| FI 468 | Portfolio Seminar (3) | | |
| FI 475 | Futures Seminar (3) | | |

NOTE: Students expecting to sit initially for the CPA examination in November 1999 or later must have 150 hours of college credit (undergraduate or undergraduate and graduate combined) and comply with the requirements of the Missouri State Board of Accountancy. Students completing the B.S. B.A. with an accounting major and a total of 150 undergraduate hours should meet the academic requirements to sit for the CPA in Missouri, provided 27 hours have been completed in accounting (AC prefix) beyond AC 221 and AC 222 and including at least one course in auditing. BL 455 may also be considered for inclusion in the 27. Although the State of Missouri does not mandate a graduate degree, Southeast offers an accounting track in the MBA program to assist in preparing for the CPA examination and the accounting profession. It should be noted that other professional certification, e.g., CMA, CFM and CIA do not require 150 college credit hours of their candidates at this time. The curricula in accounting/finance assists students in preparing for these professional certifications.

ADMINISTRATIVE SYSTEMS MANAGEMENT

21 Hour Major - No Minor Required

Required Courses:

| | |
|--------|-------------------------------------|
| AD 222 | Microcomputer Appl for Business (3) |
| AD 331 | Advanced Word Processing (3) |
| AD 339 | Network Support Systems (3) |
| AD 341 | Information Systems Procedures (3) |
| AD 353 | Admin Systems Management (3) |

Choose 6 Hours From:

| | |
|--------|------------------------------------|
| AC 330 | Accounting Information Systems (3) |
| AD 323 | Admin Information Systems (3) |

ECONOMICS

25 Hour Major - No Minor Required

Choose One Option:

BUSINESS ECONOMICS

| | |
|--------|--------------------------|
| EC 360 | Managerial Economics (3) |
| EC 410 | Macroeconomic Theory (3) |
| EC 420 | Microeconomic Theory (3) |
| EC 498 | Economics Seminar (1) |

Choose 6 Hours From:

| | |
|--------|---------------------------------|
| EC 351 | Applied Economic Models (3) |
| EC 380 | Labor Economics (3) |
| EC 490 | Business & Econ Forecasting (3) |
| UI 371 | Government & Business (3) |

Choose 9 Hours From:

| | |
|--------|----------------------------------|
| EC xxx | EC course, (235-500 level) |
| UI 349 | Comparative Economic Systems (3) |
| UI 366 | Law and Economics (3) |

FINANCIAL ECONOMICS

| | |
|--------|-----------------------------------|
| EC 335 | Monetary Economics (3) |
| EC 410 | Macroeconomic Theory (3) |
| EC 420 | Microeconomic Theory (3) |
| FI 364 | Modern Financial Institutions (3) |
| EC 498 | Economics Seminar (1) |

Choose 6 Hours From:

| | |
|--------|-----------------------------|
| EC 351 | Applied Economic Models (3) |
| EC 470 | Public Sector Economics (3) |
| EC 580 | International Economics (3) |
| FI 368 | Investments (3) |

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Choose 6 Hours From:

| | |
|--------|-------------------------------------|
| EC xxx | EC course (235-500 level) |
| UI 322 | International Political Economy (3) |
| UI 349 | Comparative Economic Systems (3) |
| UI 366 | Law & Economics (3) |
| UI 371 | Government & Business (3) |

NOTE: No more than 6 hours of UI courses may be selected.

FINANCE

24 Hour Major - No Minor Required

Required Courses:

| | |
|--------|-----------------------------------|
| FI 362 | Advanced Financial Management (3) |
| FI 364 | Modern Financial Institutions (3) |
| FI 368 | Investments (3) |
| FI 480 | Financial Policy (3) |

Choose 12 Hours From:

| | |
|------------|--|
| FI 351 | Principles of Insurance (3) |
| FI 363 | Small Business Finance (3) |
| FI 365 | Real Estate Principles & Practices (3) |
| FI 540 | International Finance (3) |
| FI 468 | Portfolio Seminar (3) |
| FI 473 | Internship in Finance (3) |
| FI 475 | Futures Seminar (3) |
| FI 491-493 | Independent Study in Finance (1-3) |

One of the following courses:

| | |
|--------|----------------------------------|
| AC 339 | Managerial Accounting (3) |
| AC 548 | Not-For-Profit Accounting (3) |
| AC 375 | Financial Statement Analysis (3) |
| AC 435 | Income Tax Accounting (3) |
| EC 335 | Money & Banking (3) |

INTERNATIONAL BUSINESS

18 Hour Major - Required Minor to be selected by any department in the Harrison College of Business (except "Business Administration" minor).

INTERNATIONAL CORE COURSES:

Choose 9 Hours From:

| | |
|--------|---------------------------------------|
| AC 540 | International Accounting (3) |
| BA 458 | International Business Internship (3) |
| BA 560 | International Business (3) |
| EC 580 | International Economics (3) |
| FI 540 | International Finance (3) |
| MG 560 | International Management (3) |
| MK 560 | International Marketing (3) |

Choose 9-18 Hours From:

FOREIGN LANGUAGE/ CULTURAL SUPPORT

Minor in one area of foreign language (18)
OR

For students with demonstrated proficiency in a foreign language, choose 9 hours from:

| | |
|--------|--|
| AN 383 | Cultures of the Third World (3) |
| PS 335 | American Foreign Policy (3) |
| PS 376 | Latin American International Relations (3) |
| PS 380 | International Organizations (3) |
| PS 450 | Govt & Politics of East & Central Europe (3) |
| PS 460 | Govt & Politics of Western Europe(3) |
| PS 570 | Comparative Government (3) |
| PS 580 | International Politics (3) |
| PS 595 | International Law (3) |

(or other course(s) approved by Director or International Business Programs)

Additional Requirement:

Student must complete an international experience (international study, internship, etc.) which is approved by the Director of International Business Programs.

MANAGEMENT

21 Hour Major - No Minor Required
(A grade of 'C' or better is required in all required courses in the major.)

Required Management Core Courses:

| | |
|--------|---------------------------|
| MG 362 | Management Systems I (3) |
| MG 462 | Management Systems II (3) |

Choose One 15 Hour Option:

ORGANIZATIONAL LEADERSHIP

Required Courses:

| | |
|--------|---------------------------------------|
| MG 457 | Issues in Organizational Behavior (3) |
| MG 470 | Leadership in Management (3) |
| MG 550 | Improving Team Performance (3) |

Choose 6 Hours MG courses (300-500 level) except MG 300, 301, 352, 355, 358, 375, and MG 560.

HUMAN RESOURCE MANAGEMENT

Required Courses:

| | |
|--------|---------------------------------------|
| MG 356 | Human Resource Management I (3) |
| MG 446 | Human Resource Management II (3) |
| MG 457 | Issues in Organizational Behavior (3) |

Choose 6 Hours From the Following:

| | |
|--------|----------------------------------|
| MG 456 | Topics in Human Resource Mgt (3) |
| MG 470 | Leadership in Management (3) |
| MG 473 | Internship in Management (3) |
| MG 548 | Project Management (3) |
| MG 550 | Improving Team Performance (3) |
| MI 410 | Business Database Systems (3) |

OPERATIONS MANAGEMENT

Required Courses:

| | |
|--------|------------------------------------|
| MG 478 | Global Logistics Management (3) |
| MG 451 | Materials & Supply Management (3) |
| MG 452 | Production Resource Management (3) |
| MI 410 | Business Database Systems (3) |

Choose 3 Hours From:

| | |
|--------|--------------------------------------|
| AC 330 | Accounting Information Systems (3) |
| IM 315 | Production Time & Motion Study (3) |
| MG 421 | Quality Management (3) |
| MI 430 | Knowledge Based Dec Support Syst (3) |

| | |
|--------|------------------------------|
| MG 473 | Internship in Management (3) |
| MG 548 | Project Management (3) |

MANAGEMENT INFORMATION SYSTEMS

24 Hour Major – No Minor Required

Required Courses:

| | |
|--------|---------------------------------------|
| IS 130 | Visual Basic Programming I (3) |
| IS 235 | Introduction to COBOL (3) |
| MI 410 | Bus Database Systems (3) |
| MI 420 | Telecommunications Mgmt (3) |
| MI 445 | Systems Analysis & Design (3) |
| MI 464 | Systems Implementation & Practice (3) |

Choose 6 Hours From:

| | |
|-----------|--|
| AC 330 | Acctg Info Systems (3) |
| AD 339 | Network Support Systems (3) |
| OR | |
| ET 462 | Networking I (3) |
| CS 265 | Computer Science II (5) |
| OR | |
| IS 330 | Visual Basic Prgmg II (3) |
| MI 430 | Knowl-bsd Dec Sprt Syst for Mgmt (3) |
| MI 439 | Electronic Commerce (3) |
| MI 440 | Web Design for Electronic Commerce (3) |

MARKETING

24 Hour Major - No Minor Required

Required Marketing Core:

| | |
|--------|--------------------------------|
| MK 343 | Advertising & Promotion (3) |
| MK 344 | Consumer Behavior (3) |
| MK 345 | Intro to Business Research (3) |
| MK 449 | Marketing Management (3) |

Choose 3 Hours MK Courses (300-500 level) (except MK 301, MK 560)

Choose One Option:

MARKETING MANAGEMENT

| | |
|--------|--------------------------------|
| MK 346 | Distribution Management (3) |
| MK 348 | Product & Pricing Strategy (3) |
| MK 473 | Marketing Internship (3) |

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OR
 MK 483 Pract in Strategic Marketing (3)
INTEGRATED MARKETING COMMUNICATIONS

- MK 341 Public Relations (3)
- MK 342 Professional Selling (3)
- MK 443 Integrated Mktg Comm Pract (3)

ORGANIZATIONAL ADMINISTRATION
 24 Hour Major - No Minor Required

Required Courses:

- AC 375 Financial Statement Analysis (3)
- EC 360 Fundamentals of Managerial Economics (3)
- MG 354 Topics in Management Communication (3)
- MG 362 Management Systems I (3)
- MG 462 Management Systems II (3)
- MK 343 Advertising and Promotion (3)

Choose 6 Hours From Business Courses (300-500 Level)

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For students planning to teach in elementary and secondary schools. Five curricula are offered:

- Early Childhood Education (pre-school-grade 3)
- Elementary Education (grades 1-6)
- Exceptional Child Education (grades K-12)
- Middle School Education (grades 5-9)
- Secondary Education (grades 9-12)

All majors in education must meet requirements for admission to Teacher Education as listed on page 13. Regardless of printed program requirements, any changes or additions mandated by the State of Missouri will be come effective on the date cited by the regulations. Students transferring into education programs must complete six semester hours of English Composition with grades of 'C' or better to meet certification requirements.

EARLY CHILDHOOD EDUCATION

Professional Education Requirements: 69 Hours

BLOCK I: 6 Hours

- PY/CF 120 TheChild:Devel/Conceptionto Adolsc (3)
- EL 120 Elementary Field Experience I (2)
- EM 102 Technology & the Teacher's Role (1)

BLOCK II: 15 Hours

- ED 255 Children & the Arts (3)
- EF 200 School & Society (2)
- EL 260 Elementary Field Experience (3)
- EL 261 Theories of Learning & Management (2)
- EL 262 Foundations of Reading Techniques (3)
- EL 263 Foundations of Lang Arts Techniques (2)

BLOCK III: 16 Hours

- EL 350 Elementary Field Experience (3)
- EL 351 Tech of Teaching Elem Science (2)
- EL 352 Tech of Teaching Elem Social Studies (1)
- EL 353 Tech of Teaching Elem Mathematics (2)
- EL 354 Corrective Reading Instruction (3)
- EL 355 Reading Study Strategies & Skills (2)
- EX 390 Psych & Educ of the Except Child (3)

EARLY CHILDHOOD BLOCK: 19 Hours

- CE 340 Parent/School Collaborations (3)
- CE 365 Connctg Assmt & Curric in Early Yrs (2)
- CE 366 Devel Curric in Early Chldhd Educ (4)
- CE 368 Early Childhood Field Experience (3)
- CE 370 Lang Dvlpmnt of Young Child (2)
- CF 300 Working with Parents (2)

CF 301 Working with Parents Lab (1)
PE 308 Perceptual Motor Development (2)

BLOCK IV: 13 Hours

CE 433 Student Teaching Early Childhood (1st) (6)
CE 434 Student Teaching Early Childhood (2nd) (6)
EF 400 Seminar/Educ Issues for Student Teachers (1)

Special Early Childhood Requirements: 14 Hours

BS 118 Intro Process Science Elem Teachers (1)
CF 200 Guiding Alternatives (3)
OR
CE 330 Classroom Management (3)
CF 290 Preschool Participation (2)
CF 291 Preschool Participation Laboratory (1)
CF 316 Prenatal & Infant Growth (2)
CF 317 Prenatal & Infant Growth Laboratory (1)
FN 425 Health, Safety & Nutrition (3)
MU 356 Music Skills/Classroom Teacher (1)

Additional Requirements: 39 Hours

(Some courses may fulfill University Studies requirements)

XX xxx Any Artistic Expression course (3)
BS 218 Biological Science: A Process Approach (3)
EC 101 Economic Problems & Policies (3)
OR
EC 215 Principles of Microeconomics (3)
OR
AG 201 World Food & Society (3)
EL 274 Diversity in American Schools (3)
EN 100 English Composition (3)
EN 140 Rhetoric & Critical Thinking (3)
LI 243 Children's Literature (3)
MA 118 Mathematics I (3)
PH 218 Physical Science: A Process Approach (3)

PS 103 U.S. Political Systems (3)
SC 105 Fundamentals of Oral Communication (3)
UI 318 Earth Science: A Process Approach (3)
US 105 American History I (3)
OR
US 107 American History II (3)

ELEMENTARY EDUCATION

In addition to other requirements, an Area of Concentration must be chosen from:

Art
Early Childhood
Exceptional Child(BD)
Exceptional Child(CC)
Exceptional Child(LD)
Exceptional Child(MH)
Foreign Languages TESOL
Language & Literature
Mathematics
Music
Physical Education
Science
Social Studies

Professional Education Requirements: 42-44 Hours

BLOCK I: 6 Hours

PY/CF 120 The Child: Development/Conception to Adolsc (3)
EL 120 Elementary Field Experience (2)
EM 102 Technology & the Teacher's Role (1)

BLOCK II: 15 Hours

ED 255 Children & the Arts (3)
EF 200 School & Society (2)
EL 260 Elementary Field Experience (3)
EL 261 Theories of Learning & Management (2)
EL 262 Foundations of Reading Techniques (3)
EL 263 Foundations of Lang Arts Techniques (2)

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BLOCK III: 17 Hours

| | |
|--------|---|
| EL 350 | Elementary Field Experience (3) |
| EL 351 | Tech of Teaching Elem Science (2) |
| EL 352 | Tech of Teaching Elem Social Studies (1) |
| EL 353 | Tech of Teaching Elem Mathematics (2) |
| EL 354 | Corrective Reading Instruction (3) |
| EL 355 | Reading: Study Strategies & Skills (2) |
| EX 390 | Psych & Educ of the Except Child (3) |
| PE 309 | Physical Education in the Elem Curric (1) |

BLOCK IV: 13 Hours

| | |
|--------|---|
| EF 400 | Seminar/Educ Issues for Student Teachers. (1) |
| EL 453 | Student Teaching Elementary (1st) (6) |
| EL 454 | Student Teaching Elementary (2nd) (6) |

Special Elementary Requirements: 10 Hours

| | |
|--------|---|
| BS 118 | Intro Process Science Elem Teachers (1) |
| HL 210 | Health & Safety (2) |
| MA 318 | Math for Elementary Teachers II (3) |
| MA 418 | Geometry for Teachers. (3) |
| MU 356 | Music Skills/Classroom Teacher (1) |

Additional Requirements: 42 Hours

(These courses may also meet University Studies requirements)

| | |
|--------|--|
| XX xxx | Any Artistic Expression course (3) |
| BS 218 | Biological Science: A Process Apprch (3) |
| EC xxx | Economics course (3) |
| EL 274 | Diversity in American Schools (3) |
| EN 100 | English Composition (3) |
| EN 140 | Rhetoric & Critical Thinking (3) |
| LI 243 | Children's Literature (3) |
| MA 118 | Mathematics I (3) |

| | |
|--------|---|
| PH 218 | Physical Science: A Process Approach (3) |
| PS 103 | U.S. Political Systems (3) |
| SC 105 | Fundamentals of Oral Communication (3) |
| UI 308 | Physical/Cultural Landscapes of the World (3) |
| UI 318 | Earth Science: A Process Approach (3) |
| US 105 | American History I (3) |
| | OR |
| US 107 | American History II (3) |

EXCEPTIONAL CHILD EDUCATION Professional Education Requirements: 80 Hours

BLOCK I: 13 Hours

| | |
|-----------|---|
| EM 102 | Technology & the Teacher's Role (1) |
| EL 120 | Elementary Field Experience (2) |
| EX 200 | Intro to the Exceptional Child (3) |
| PY/CF 120 | The Child: Devel/Conception to Adolsc (3) |

Choose Two of the Following Courses:

| | |
|--------|------------------------------------|
| EX 220 | Intro to Mental Retardation (2) |
| EX 230 | Intro to Learning Disabilities (2) |
| EX 240 | Intro to Behavior Disorders (2) |
| EX 273 | Intro to Cross Categorical (3) |

BLOCK II: 17 Hours

| | |
|--------|---|
| EF 200 | School & Society (2) |
| EL 260 | Elementary Field Experience (3) |
| EL 261 | Theories of Learning & Management (2) |
| EL 262 | Foundations of Reading Techniques (3) |
| EL 263 | Foundations of Lang Arts Techniques (2) |
| EX 201 | Assessment of the Exceptional Child (3) |
| EX 202 | Tech of Teaching the Excep Child I (2) |

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BLOCK III: 17 Hours

| | |
|--------|---|
| EL 308 | Diag & Remed of L D in Math (3) |
| EL 350 | Elementary Field Experience (3) |
| EL 351 | Tech of Teaching Elem Science (2) |
| EL 352 | Tech of Teaching Elem Social Studies (1) |
| EL 353 | Tech of Teaching Elem Mathematics (2) |
| EL 354 | Corrective Reading Instruction (3) |
| EL 355 | Reading Study Strategies & Skills (2) |
| PE 309 | Physical Education in the Elem Curric (1) |

BLOCK IIIa: 18 Hours

| | |
|--------|--|
| EX 302 | Language Devel of the Except Child (2) |
| EX 304 | Behavior Management (3) |
| EX 305 | Teach Strat/Career Dev for MH Adoles (3) |
| EX 307 | Parents & the Exception Child (3) |
| EX 309 | Except Child Educ Field Experience (3) |
| EX 323 | Techniques of Teaching MH (2)* |
| EX 333 | Techniques of Teaching LD (2)* |
| EX 343 | Techniques of Teaching BD (2)* |
| EX 373 | Techniques of Cross Categorical (3)* |

*Majors in Exceptional Child Education will enroll in at least two of these techniques courses.

BLOCK IV: 15 Hours

| | |
|--------|--|
| EF 400 | Seminar/Educ Issues for Student Teachers (1) |
|--------|--|

Choose One of the Following Courses:

| | |
|--------|--------------------------------------|
| EX 428 | Student Teaching with MH (1st) (8)** |
| EX 438 | Student Teaching with LD (1st) (8)** |
| EX 448 | Student Teaching with BD (1st) (8)** |
| EX 478 | Student Teaching CC (1st) (8)** |

Choose One of the Following Courses:

| | |
|--------|--------------------------------------|
| EX 422 | Student Teaching with MH (2nd) (6)** |
| EX 432 | Student Teaching with LD (2nd) (6)** |
| EX 442 | Student Teaching with BD (2nd) (6)** |
| EX 472 | Student Teaching CC (2nd)(6)** |

**Majors in Exceptional Child will student teach in two categorical areas of exceptionality.

Special Exceptional Child Requirement: 10 Hours

| | |
|--------|---|
| BS 118 | Intro Process Science Elem Teachers (1) |
| ED 255 | Children & the Arts (3) |
| HL 210 | Health & Safety (2) |
| MU 356 | Music Skills/Classroom Teacher (1) |
| PY 222 | Development of the Adolescent (3) |

Additional Requirements: 39 Hours

(These courses may also meet University Studies requirements)

| | |
|--------|--|
| XX xxx | Any Artistic Expression course (3) |
| BS 218 | Biological Science: A Process Approach (3) |
| EC xxx | Economics course (3) |
| EL 274 | Diversity in American Schools (3) |
| EN 100 | English Composition (3) |
| EN 140 | Rhetoric & Critical Thinking (3) |
| LI 243 | Children's Literature (3) |
| MA 118 | Mathematics I (3) |
| PH 218 | Physical Science: A Process Approach (3) |
| PS 103 | U.S. Political Systems (3) |
| SC 105 | Fundamentals of Oral Communication (3) |
| UI 318 | Earth Science: A Process Approach (3) |
| US 105 | American History I (3) |
| | OR |
| US 107 | American History II (3) |

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MIDDLE AND SECONDARY EDUCATION

Majors must be chosen from the following:

- Art
- Business Education
- English
- French
- German
- Industrial Education
- Mathematics
- Middle School Education
- Physical Education
- Social Studies
- Spanish
- Speech Education
- Unified Science: Biology
- Unified Science: Chemistry
- Unified Science: Earth Science
- Unified Science: Physics

Certification programs are available in Speech and Language Specialist (K-12), and Teaching English as a Second Language (K-12). Additionally, a Music Education major is available on the Bachelor of Music Education degree and a major in Family and Consumer Sciences Education is available on the Bachelor of Science in Family and Consumer Sciences Education degree.

Professional Education Requirements: 37-43 Hours

BLOCK I: 5 Hours

- | | |
|--------|--|
| EM 102 | Technology & the Teacher's Role (1) |
| PY 222 | Development of the Adolescent (3) |
| SE 222 | Secondary Block I Field Experience (1) |

BLOCK II: 12-15 Hours

- | | |
|--------|---|
| EF 200 | School & Society (2) |
| SE 250 | Fundamentals of Middle School Education (3)* |
| SE 251 | Teaching Reading & Writing in Mid School (3)* |
| SE 270 | Secondary Block II Field Experience (3) |
| SE 271 | Theories of Learning & Management (2) |

- | | |
|--------|---------------------------------------|
| SE 272 | Teaching Reading/Secondary School (2) |
| SE 273 | Fund of High School Education (3)** |

BLOCK III: 7-10 Hours

- | | |
|--------|--|
| EX 390 | Psychology & Educ of Except Child (3) |
| SE xxx | Special Subject Techniques Course (3)*** |
| SE 370 | Secondary Block III Field Experience (1) |

BLOCK IV: 13 Hours

- | | |
|--------|--|
| EF 400 | Seminar/Educ Issues for Student Teachers (1) |
| SE 463 | Student Teaching Secondary (1st) (6) |
| SE 464 | Student Teaching Secondary (2nd) (6) |

Additional Requirements: 33-39 Hours

(Some courses may also meet University Studies requirements)

- | | |
|-----------------------------------|--|
| BS 107 | Investigations in Biology (3)* |
| OR | |
| BS 218 | Bio Science: A Process Approach (3)* |
| EN 100 | English Composition (3) |
| EN 140 | Rhetoric & Critical Thinking (3) |
| LI xxx | Literature course (200-500 level) (3) |
| MA 118 | Mathematics I (3)* |
| MA 318 | Mathematics II (3)* |
| MA 123 | Survey of Mathematics (3) |
| OR | |
| MA 134 | College Algebra (3) |
| OR | |
| MA 155 | Statistical Reasoning (3) |
| PL xxx | Any Philosophy course (3) |
| PS 103 | U.S. Political Systems (3) |
| SC 105 | Fundamentals of Oral Communication (3) |
| US 105 OR US 107 | American History I or II (3) |
| BS xxx, BI xxx, BO xxx, or ZO xxx | (3)** |

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EC xxx, GG xxx, or SO xxx (3)
Any Physical Systems course (3)
* Middle School Education requirement only.
** Secondary Education requirement only.
*** 6 hours of SE required for Middle School, if the student chooses two areas of concentration or an area of concentration and an area of endorsement, and 3 hours of SE required for Secondary Education.

ART EDUCATION

42-44 Hour Major - No Minor Required

Required Courses:

| | |
|--------|------------------------------------|
| AH 110 | Art History Survey I (3) |
| AH 210 | Art History Survey II (3) |
| AR 001 | Freshman Core Review (0) |
| AR 100 | Drawing I (3) |
| AR 104 | Design Foundations (3) |
| AR 106 | 3D Foundations (3) |
| AR 202 | Drawing II: Human Figure (3) |
| AR 201 | Color Composition (3) |
| AR 270 | Art for the Elementary Teacher (3) |
| AR 330 | Fibers I (3) |
| AR 332 | Sculpture I (3) |
| AR 342 | Ceramics I (3) |

Choose 3 Hours From:

| | |
|--------|---------------------|
| AR 320 | Watercolor I (3) |
| AR 325 | Painting (3) |
| AR 530 | Figure Painting (3) |

Choose 3 Hours From:

| | |
|--------|--------------------------|
| AR 302 | Printmaking (3) |
| AR 303 | Screenprinting (3) |
| AR 501 | Intaglio Printmaking (3) |
| AR 502 | Litho Printmaking (3) |

Choose 3 Hours Art Elective (300-500 level)

BIOLOGY EDUCATION

(Unified Science Certification)

67 Hour Major - No Minor Required

Required Courses:

| | |
|--------|------------------------------------|
| BI 003 | Biology Major Field Assessment (0) |
| BI 190 | Life Processes (4) |
| BI 200 | General Microbiology (3) |
| BI 225 | Research Methods in Biology (3) |

| | |
|----------|-----------------------------------|
| BI 300 | Intro to Evolutionary Biology (3) |
| BI 332 | General Ecology (3) |
| BI 487 | Biology Seminar (1) |
| BI/BO/ZO | 3xx or higher (3) |
| BO 200 | Plant Biology (3) |
| BS 113 | Anatomy & Physiology I (3) |
| BS 114 | Anatomy & Physiology II (3) |
| CH 185 | General Chemistry I (5) |
| CH 186 | General Chemistry II (3) |
| MA 133 | Plane Trigonometry (2) |
| MA 134 | College Algebra (3) |
| GO 110 | Physical Geology (3) |
| GO 220 | Meteorology (3) |
| GO 320 | Oceanography (3) |
| PH 120 | Intro Physics I (5) |
| PH 121 | Intro Physics II (5) |
| ZO 200 | Animal Biology (3) |
| UI 422 | Philosophy of Science (3) |

BUSINESS EDUCATION

45-48 Hour Major - No Minor Required

Required Courses:

| | |
|--------|-------------------------------------|
| AC 221 | Princ of Financial Accounting (3) |
| AC 222 | Princ of Managerial Accounting (3) |
| AD 101 | Intro to Microcomputer Appl (3) |
| AD 222 | Microcomputer Appl for Business (3) |
| AD 323 | Admin Information Systems (3) |
| AD 331 | Advanced Word Processing (3) |
| AD 339 | Network Support Systems (3) |
| AD 341 | Information Systems Procedures (3) |
| | OR |
| AD 353 | Admin Systems Management (3) |
| BL 255 | Legal Environment of Business (3) |
| IS 130 | Visual Basic Programming I (3) |
| MG 252 | Business Communication (3) |
| MG 301 | Management & Organiz Behav (3) |
| MK 301 | Principles of Marketing (3) |

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Choose 6-9 Hours From:

| | |
|--------|---|
| AD 224 | Transcription Skills (3) |
| AD 341 | Information Systems Procedures (3) |
| AD 353 | Admin Systems Management (3) |
| AD 422 | Training in Administrative Systems (3) |
| BA 361 | Small Bus Mgmt/New Venture Creation (3) |
| MI 375 | Management Information Systems (3) |
| UI 301 | Managerial Communication Processes (3) |

CHEMISTRY EDUCATION (Unified Science Certification) 64-65 Hour Major - No Minor Required

Required Courses:

| | |
|--------|-----------------------------------|
| BO 200 | Plant Biology (3) |
| CH 185 | General Chemistry I (5) |
| CH 186 | General Chemistry II (3) |
| CH 187 | Qualitative Analysis (2) |
| CH 271 | Quantitative Analysis (4) |
| CH 310 | Intro to Physical Chemistry (5) |
| CH 341 | Organic Chemistry I (4) |
| CH 342 | Organic Chemistry Lab I (1) |
| UI 443 | Professional Exp in Chemistry (3) |
| GO 110 | Physical Geology (3) |
| GO 220 | Meteorology (3) |
| GO 320 | Oceanography (3) |
| PH 120 | Introductory Physics I (5) |
| | AND |
| PH 121 | Introductory Physics II (5) |
| | OR |
| PH 230 | General Physics I (5) |
| | AND |
| PH 231 | General Physics II (5) |
| UI 331 | Biochemistry I (3) |
| UI 422 | Scientific Reasoning (3) |
| ZO 200 | Animal Biology (3) |

Choose 3-4 Hours From:

| | |
|--------|--------------------|
| BI 190 | Life Processes (4) |
|--------|--------------------|

| | |
|--------|-------------------------------------|
| BS 108 | Biology for Living (3) |
| BS 218 | Bio Science: A Process Approach (3) |

Choose 3 Hours From:

| | |
|---------------|----------------------------------|
| BI 332 | General Ecology (3) |
| BS 105 | Environmental Biology (3) |
| CH 350/EV 350 | Environmental Chem (3) |
| GO 305 | Environmental Geoscience (3) |
| UI 360 | Recycling & Waste Management (3) |
| UI 372 | Earthquakes & Society (3) |

Additional Requirements: 3-8 Hours

| | |
|--------|--------------------------------------|
| MA 133 | Plane Trigonometry (2) or H.S. equiv |
| MA 134 | College Algebra (3) or H.S. equiv |
| MA 139 | Applied Calculus (3) |

EARTH SCIENCE EDUCATION (Unified Science Certification) 62-63 Hour Major - No Minor Required

Required Courses:

| | |
|--------|-------------------------------|
| BO 200 | Plant Biology (3) |
| CH 185 | General Chemistry I (5) |
| CH 186 | General Chemistry II (3) |
| GO 110 | Physical Geology (3) |
| GO 220 | Meteorology (3) |
| GO 225 | Rocks & Minerals (3) |
| GO 295 | Intro Geoscience Research (1) |
| GO 310 | Field Methods (1) |
| GO 320 | Oceanography (3) |
| GO 400 | Geomorphology (3) |
| GO 495 | Senior Research & Seminar (2) |
| GO xxx | Elective (3) |
| PH 109 | Exploring the Universe (3) |
| | OR |
| UI 416 | Planetary Exploration (3) |
| PH 120 | Intro Physics I (5) |
| | AND |
| PH 121 | Intro Physics II (5) |
| | OR |
| PH 230 | General Physics I (5) |
| | AND |
| PH 231 | General Physics II (5) |

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UI 373 Earth/Life Thru Time (3)
UI 422 Scientific Reasoning (3)

OR

UI 364 Experimental Knowledge (3)
ZO 200 Animal Biology (3)

Choose 3-4 Hours From:

BI 190 Life Processes (4)
BS 108 Biology for Living (3)
BS 218 Bio Sci: A Process Approach (3)

Choose 3 Hours From:

BI 332 General Ecology (3)
BS 105 Environmental Biology (3)
GO 305 Environmental Geoscience (3)
UI 360 Recycling & Waster Mgt (3)
UI 372 Earthquakes & Society (3)

Additional Requirements - Math: 5 Hours

MA 133 Plane Trigonometry (2)

AND

MA 134 College Algebra (3)

OR

MA 140 Analyt Geom & Calculus I (5)

Additional Requirements – Biology:

BS 105 Environmental Biology (3)

OR

BS 108 Biology for Living (3)

OR

BS 218 Bio Sci: A Process Approach (3)

ENGLISH EDUCATION

36 Hour Major - No Minor Required

Required Courses:

EN 201 Writing About Literature (3)
EN 378 Grammars of English (3)
EN 379 Composition in the Secondary School (3)
EN 385 Literature in the Secondary School (3)
LI 260 English Lit I (3)
OR
LI 261 English Lit II (3)
LI 270 American Lit I (3)

OR

LI 271 American Lit II (3)
LI 311 World Literature I (3)

OR

LI 312 World Literature II (3)
LI 542 Literature for Young Adults (3)

Choose 3 Hours From:

EN 486 Sociolinguistics (3)
UI 500 History of English Language (3)
UI 501 Principles of Language (3)

Choose 3 Hours From:

EN 275 Intro to Creative Writing (3)
EN 376 Advanced Composition (3)

Choose 6 Hours From:

EN 300-EN 599 English elective
LI 300-LI 599 Literature elective
UI 332 Images of Women in Literature (3)
UI 341 Victorian Studies (3)
UI 431 Shakespeare Trag/Hum Cond (3)
UI 432 Shakespeare Hist/Com & Hum Cond (3)

Additional Requirement:

LI 256 Variety of Literature (3)

FRENCH EDUCATION

36 Hour Major - No Minor Required

Required Courses:

FR 001 French Exit Exam (0)
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)
FR 306 Contemporary France (3)
FR 320 French Pronunciation & Phonetics (3)

Choose 6 Hours From:

FR 310 Survey of French Literature I (3)
FR 311 Survey of French Literature II (3)
FR 410 Intro to the French Novel (3)
FR 415 17th Century French Literature (3)
FR 420 18th Century French Literature (3)

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FR 425 19th Century French Literature (3)
FR 430 20th Century French Literature (3)

Choose 6 Hours From:

(Only one course may be selected from each of the areas of composition, conversation, commercial, grammar)

FR 301 Intermediate French Composition (3)
FR 305 Intermediate French Conversation (3)
FR 315 Commercial French (3)
FR 330 French Grammar (3)
FR 405 French Advanced Conversation (3)
FR 530 French Adv Comp & Conversation (3)

Choose 6 Hours FR Electives (300-500 level)

Additional Requirement:

Choose 3 Hours From:

FL 205 Art of French Cinema (3)
GG 170 European Peoples & Civilization (3)
UI 362 Contemporary French Culture (3)
UI 375 European Film (3)
WH 103 European Civilization (3)
WH 366 Age of French Rev & Napoleon (3)
WH 370 Europe in the 20th Century (3)
WH 514 History of Modern France (3)

GERMAN EDUCATION

36 Hour Major - No Minor Required

Required Courses:

GN 001 German Exit Exam (0)
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)
GN 320 German Culture & Civilization (3)

Choose 6 Hours From:

GN 310 Survey of German Literature I (3)
GN 311 Survey of German Literature II (3)

GN 424 Twentieth-Century German Literature (3)
GN 440 Special Topics: German (3)

Choose 6 Hours From:

(Only one course may be selected from each of the areas of composition, conversation, commercial, grammar)

GN 301 Intermediate German Composition (3)
GN 305 Conversational German (3)
GN 315 Commercial German (3)
GN 330 German Grammar (3)
GN 340 German Phonetics & Pronunciation (3)

Choose 9 Hours of GN Electives (300-500 level)

Additional Requirement:

Choose 3 Hours From:

AN 101 Observing Other Cultures (3)
AN 181 Intro to Cultural Anthropology (3)
AN 241 Intro to Linguistic Anthropology (3)
AN 260 World Cultures (3)
AN 390 European Prehistory (3)
GG 170 European Peoples & Civilization (3)
UI 375 European Film (3)
WH 103 European Civilization (3)
WH 370 Europe in the 20th Century (3)
WH 516 History of Modern Germany (3)
WH 527 Intellectual History of Europe (3)

INDUSTRIAL EDUCATION

45 Hour Major - No Minor Required

Required Courses:

ET 162 DC/AC Principles & Circuits I (3)
ET 164 DC/AC Principles & Circuits II (3)
IE 401 Technology Education Mgt (3)
IM 102 Technical Communications (3)
MN 170 Industrial Materials & Testing (3)
MN 203 Industrial Materials & Process I (3)

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MN 204 Industrial Materials & Processes II (3)
TG 120 Computer Aided Eng. Graphics (3)
TG 170 Intro to Graphics (3)

Choose 6 Hours From:

TG 220 Solid Modeling & Rapid Prototyping (3)
TG 272 Electronic Publishing (3)
TG 274 Photography Fundamentals (3)
TG 320 Architectural Drawing I (3)
TG 376 Multimedia & Animation (3)

Choose 6 Hours From:

ET 100 Ntwkg Fund & Router Tech (3)
ET 101 Ntwkg Design & Advanced Routing (3)
ET 365 Industrial Electrical Power (3)
MN 383 Fluid Power (3)

Choose 6 Hours From:

CM 342 Construction Technology (3)
MN 354 Computer Aided Manuf (3)
MN 356 Robotics Fundamentals (3)

MATHEMATICS EDUCATION 43 Hour Major - No Minor Required

Required Courses:

MA 138 Discrete Mathematics I (3)
MA 140 Analytic Geometry & Calculus I (5)
MA 145 Analytic Geometry & Calculus II (4)
MA 223 Elem Probability & Statistics (3)
OR
MA 523 Probability & Statistics I (3)
MA 240 Analytic Geometry & Calculus III (3)
MA 250 Foundations of Mathematics (3)
MA 334 Computer Programming (3)
MA 340 Concepts of Geometry (3)
MA 345 Linear Algebra (3)
MA 443 Elementary Number Theory (3)
MA 445 Modern Algebra (3)

MA 448 Mathematics Seminar (1)
UI 438 Nature & Growth of Mathematical Thought (3)

Choose 3 Hours From:

MA 523 Probability & Statistics I (3)
MA 540 Projective Geometry (3)
MA 546 Advanced Calculus I (3)

MIDDLE SCHOOL EDUCATION (5-9 CERTIFICATE)

40-43 Hour Major - No Minor Required
(See advisor for specific courses required in each option.)

Choose One Option

OPTION I: Two Areas of Concentration (42-43 Hours)

| | |
|----------------|------|
| Language Arts | (21) |
| Mathematics | (21) |
| Science | (22) |
| Social Studies | (21) |

OPTION II: One Area of Concentration (24-25 Hours) & One Endorsement Area (21-23 Hours)

| | |
|-----------------------|------|
| Agriculture Educ | (21) |
| Industrial Technology | (23) |
| Family & Consumer | |
| Language Arts (| 24) |
| Mathematics | (24) |
| Science | (25) |
| Sciences Education | (23) |
| Social Studies | (24) |

OPTION III: One Area of Concentration (30-31 Hours)

| | |
|----------------|------|
| Language Arts | (30) |
| Mathematics | (30) |
| Science | (33) |
| Social Studies | (30) |

PHYSICAL EDUCATION (PK-12 CERTIFICATE)

48 Hour Major - No Minor Required
(A grade of 'C' or better is required in all courses within the major.)

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Required Courses:

| | |
|--------|---|
| AT 140 | SEMO Wellness (3) |
| BS 113 | Anatomy & Physiology I (3) |
| PE 201 | Sport & Society (3) |
| PE 216 | Theory & Practice of Team Sports (2) |
| PE 217 | Theory /Pract of Individ/Dual Leis Act (4) |
| PE 219 | Theory & Practice of Dance (3) |
| PE 220 | First Aid (2) |
| PE 235 | Psych of Coaching & Human Perf (3) |
| PE 238 | Foundations, Hist, Phil of PE & Sport Mgt (3) |
| PE 239 | Teaching Children Physical Education (3) |
| PE 270 | Teaching PE to Middle School Learner (3) |
| PE 305 | Motor Devel, Learning & Behavior (3) |
| PE 310 | Tests & Measrmnts in Phys Act/Sport (2) |
| PE 341 | Physiology of Conditioning (3) |
| PE 408 | Phys Educ for Individuals with Disabilities (2) |
| PE 464 | Kinesiology (3) |
| PE 465 | Seminar in Physical Education (1) |

Choose One Hour From the Following:

| | |
|--------|---------------------------------|
| AT 101 | Aqua-Aerobics (1) |
| AT 130 | Aerobics (1) |
| AT 132 | Body Building (1) |
| AT 136 | Jogging/Walking for Fitness (1) |
| AT 138 | Low Impact Aerobics (1) |

Choose One Hour From the Following:

| | |
|--------|---------------------------|
| DA 110 | Ballet I (2) |
| DA 120 | Contemporary Dance I (1) |
| DA 125 | Jazz Dance I (2) |
| DA 130 | Ballroom Dance I (1) |
| DA 135 | Tap Dance I (2) |
| DA 145 | Line Dance (1) |
| DA 210 | Ballet II (2) |
| DA 220 | Contemporary Dance II (1) |

PHYSICS EDUCATION

(Unified Science Certification)

77-78 Hour Major - No Minor Required

Required Courses:

| | |
|--------|-----------------------------|
| BO 200 | Plant Biology (3) |
| CH 185 | General Chemistry I (5) |
| CH 186 | General Chemistry II (3) |
| EP 100 | Physics & Engr Concepts (1) |
| EP 361 | Thermal Analysis (3) |
| GO 110 | Physical Geology (3) |
| GO 220 | Meteorology (3) |
| GO 320 | Oceanography (3) |
| MA 140 | Calculus I (5) |
| MA 145 | Calculus II (4) |
| MA 240 | Calculus III (3) |
| MA 245 | Vector Calculus (2) |
| PH 230 | General Physics I (5) |
| PH 231 | General Physics II (5) |
| PH 341 | Optics (3) |
| PH 345 | Experimental Methods I (3) |

OR

| | |
|--------|-----------------------------|
| UI 330 | Experimental Methods I (3) |
| PH 445 | Experimental Methods II (3) |

OR

| | |
|--------|-------------------------------|
| PH 550 | National Physics Programs (3) |
| PH 360 | Modern Physics (3) |
| PH 370 | Mechanics (3) |
| PH 371 | Electromagnetics (3) |
| UI 422 | Scientific Reasoning (3) |
| ZO 200 | Animal Biology (3) |

Choose 3-4 Hours From:

| | |
|--------|-------------------------------------|
| BI 190 | Life Processes (4) |
| BS 108 | Biology for Living (3) |
| BS 218 | Bio Science: A Process Approach (3) |

Choose 3 Hours From:

| | |
|--------|------------------------------|
| BI 332 | General Ecology (3) |
| BS 105 | Environmental Biology (3) |
| GO 305 | Environmental Geoscience (3) |
| UI 360 | Recycling & Waste Mgt (3) |
| UI 372 | Earthquakes & Society (3) |

SOCIAL STUDIES

56 Hour Major - No Minor Required

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Required Courses:

| | |
|--------|-----------------------------------|
| EC 215 | Principles of Microeconomics (3) |
| EC 225 | Principles of Macroeconomics (3) |
| GG 150 | People & Places of the World (3) |
| GH 315 | Historiography (3) |
| PS 103 | U.S. Political Systems (3) |
| PY 101 | Psych Perspective/Human Behav (3) |

OR

| | |
|--------|---------------------------------|
| PY 102 | Introduction to Psychology (3) |
| SO 102 | Soc, Culture & Social Behav (3) |

OR

| | |
|--------|----------------------------------|
| SO 200 | Intro to Social Organization (3) |
| US 105 | American History I (3) |
| US 107 | American History II (3) |
| WH 101 | Early European History (3) |
| WH 103 | Modern European Civ (3) |

Choose 3 Hours From:

| | |
|--------|------------------------------------|
| AN 100 | Found of Human Behav (3) |
| AN 181 | Intro to Cultural Anthropology (3) |
| UI 339 | North Am Indians (3) |

Choose 3 Hours From:

| | |
|--------|-----------------------------------|
| PS 355 | Third World Politics (3) |
| PS 570 | Comparative Political Systems (3) |
| UI 350 | Middle East Politics (3) |

Choose 3 Hours From:

| | |
|--------|--------------------------------------|
| WH 424 | South America (3) |
| WH 430 | History of China & Japan (3) |
| WH 440 | Modern Middle East (3) |
| WH 520 | Latin American Colonial History (3) |
| WH 524 | History of Mexico (3) |
| WH 550 | The Atlantic World (3) |
| UI 304 | History & Culture of West Africa (3) |
| UI 503 | Alexander the Great (3) |

Choose 3 Hours From:

| | |
|--------|---------------------------------|
| SO 305 | American Minority Relations (3) |
| SO 360 | Criminology (3) |
| SO 365 | Juvenile Delinquency (3) |
| SO 370 | The Family (3) |

| | |
|--------|----------------------------|
| SO 570 | Sociology of the Child (3) |
| UI 338 | Rural Sociology (3) |

Choose 3 Hours From:

| | |
|--------|----------------------------------|
| UI 302 | Westward Movement (3) |
| UI 401 | American Cultural Landscapes (3) |

Choose 3 Hours From:

| | |
|--------|---|
| PS 330 | The American Presidency (3) |
| PS 335 | American Foreign Policy (3) |
| PS 360 | Political Parties & Voting Behavior (3) |
| PS 365 | Legislative Process in the U.S. (3) |
| PS 390 | The American Judicial System (3) |
| PS 490 | Constitutional Law (3) |
| UI 357 | Early Am Political Thought (3) |

Choose 6 Hours From: US History Courses (300-500 level)

SPANISH EDUCATION

36 Hour Major - No Minor Required

Required Courses:

| | |
|--------|------------------------------------|
| SN 001 | Spanish Exit Exam (0) |
| 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) |
| SN 300 | Spanish American Culture (3) |
| SN 306 | Civilization of Spain (3) |

Choose 3 Hours From:

| | |
|--------|------------------------------------|
| SN 430 | Spanish American Literature I (3) |
| SN 435 | Spanish American Literature II (3) |

Choose 3 Hours From:

| | |
|--------|-------------------------------------|
| SN 403 | Survey of Spanish Literature I (3) |
| SN 404 | Survey of Spanish Literature II (3) |
| SN 410 | Novel of the Golden Age (3) |
| SN 425 | Contemporary Spanish Literature (3) |

Choose 6 Hours From:

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(Only one course may be selected from each of the areas of composition, conversation, commercial, grammar)

| | |
|--------|---------------------------------------|
| SN 301 | Intermediate Spanish Composition (3) |
| SN 305 | Intermediate Spanish Conversation (3) |
| SN 316 | Commercial Spanish (3) |
| SN 330 | Spanish Grammar (3) |
| SN 335 | Crit Rdgs in Hispanic Literature (3) |
| SN 530 | Adv Spnsh Conversation/Comp (3) |
| SN 541 | Spanish Writing Skills (3) |

Choose 6 Hours SN Electives (300-500 level)

Additional Requirement:

Choose 3 Hours From:

| | |
|--------|--------------------------------------|
| AN 101 | Observing Other Cultures (3) |
| AN 181 | Intro to Cultural Anthropology (3) |
| AN 241 | Intro to Linguistic Anthropology (3) |
| AN 260 | World Cultures (3) |
| AN 360 | Ancient Civ of Meso-America (3) |
| GH 125 | Islamic Civilization (3) |
| GH 130 | Latin American Civilization (3) |
| GG 160 | American Peoples & Civilization (3) |
| UI 375 | European Film (3) |
| WH 370 | Europe in the 20th Century (3) |
| WH 424 | South Americas (3) |
| WH 520 | Latin America Colonial History (3) |
| WH 524 | Hist of Mexico Since 1810 (3) |

SPEECH EDUCATION

34-35 Hour Major - No Minor Required

Required Courses:

| | |
|---------------|-------------------------------------|
| SC 155 | Fund of Interpers Communication (3) |
| SC 200 | Advanced Public Speaking (3) |
| OR | |
| SC 310 | Speech Writing (3) |
| SC 240/TH 140 | Oral Interpretation (3) |
| SC 305 | Theories of Communication (3) |

| | |
|--------|-------------------------------------|
| SC 314 | Argumentation & Problem Solving (3) |
| TH 100 | Theatre Appreciation (3) |
| TH 101 | Acting for Non-Majors (3) |
| TH 231 | Stagecraft I (3) |
| TH 385 | Directing (3) |

Choose 1-2 Hours From:

| | |
|--------|-------------------------------------|
| SC 160 | Intercollegiate Debate (2) |
| SC 161 | Intercollegiate Debate (2) |
| TH 241 | Practicum in Acting & Directing (1) |
| TH 243 | Practicum in Technical Theatre (1) |

Choose 6 Hours From One of the Following Categories:

SPEECH COMMUNICATION

Choose 3 Hours From:

| | |
|--------|----------------------------------|
| SC 215 | Intercultural Communication (3) |
| SC 320 | Group Comm & Decision-Making (3) |
| SC 335 | Interviewing: Princ & Prac (3) |
| SC 355 | Relational Comm Strategies (3) |

Choose 3 Hours From:

| | |
|--------|------------------------------|
| SC 200 | Advanced Public Speaking (3) |
| SC 310 | Speech Writing (3) |
| SC 401 | Political Communication (3) |
| UI 320 | The Modern Presidency (3) |
| UI 425 | Persuasion (3) |

THEATRE

Choose 3 Hours From:

| | |
|--------|---------------------|
| TH 315 | Stage Movement (3) |
| TH 350 | Stage Lighting (3) |
| TH 371 | Scenic Design (3) |
| TH 420 | Advanced Acting (3) |

Choose 3 Hours From:

| | |
|--------|------------------------|
| TH 285 | Script Analysis (3) |
| TH 490 | Theatre History I (3) |
| TH 495 | Theatre History II (3) |

Bachelor of Science in Family and Consumer Sciences Education Degree

For students planning to teach occupational family and consumer sciences or consumer homemaking in junior high or secondary schools.

FAMILY AND CONSUMER SCIENCES EDUCATION

44 Hour Major - No Minor Required

Required Courses:

| | |
|--------|---|
| CF 102 | Personal & Family Relationships (2) |
| CF 120 | The Child: Devel/Conception to Adolsc (3) |
| CF 430 | Parent Child Interaction (3) |
| CT 230 | Apparel Analysis (3) |
| FE 303 | Management of Family Resources (3) |
| FE 514 | Family Financial Counseling (3) |
| FN 205 | Selection & preparation of Foods (3) |
| FN 235 | Nutrition for Health (3) |
| HE 520 | Tech of Teaching Nutrition & Health (3) |
| HL 310 | Health Instruction (3) |
| | OR |
| HL 312 | Contemporary Drug Use (3) |
| UI 340 | Housing Perspectives (3) |
| UI 355 | Consumer & the Market (3) |

Choose 3 Hours From:

| | |
|--------|---------------------------|
| CF 208 | Intimate Environment (3) |
| CF 402 | Marriage Interactions (3) |

Choose 3 Hours From:

| | |
|--------|----------------------------------|
| PY 325 | Psych Devlpmnt of the Family (3) |
| SO 370 | The Family (3) |

Additional Elective Hours Approved by Advisor (3)

Professional Education Requirements: 37 Hours

Block I: 5 Hours

| | |
|--------|--|
| EM 102 | Technology & the Teacher's Role (1) |
| PY 222 | Development of the Adolescent (3) |
| SE 222 | Secondary Block I Field Experience (1) |

Block II: 12 Hours

| | |
|--------|---|
| EF 200 | School & Society (2) |
| SE 270 | Secondary Block II Field Experience (3) |
| SE 271 | Theories of Learning & Management (2) |
| SE 272 | Teaching Reading/Secondary School (2) |
| SE 273 | Fund of High School Education (3) |

Block III: 7 Hours

| | |
|--------|--|
| EX 390 | Psych & Education of Excep Child (3) |
| SE 312 | Tech of Tchng Vocational Home Econ (3) |
| SE 370 | Secondary Block III Field Experience (1) |

Block IV: 13 Hours

| | |
|--------|--|
| EF 400 | Seminar/Educ Issues for Student Teachers (1) |
| SE 463 | Student Teaching Secondary (1st) (6) |
| SE 464 | Student Teaching Secondary (2nd) (6) |

Additional Requirements: 33 Hours

| | |
|--------|--|
| BS 107 | Investigation sin Biology (3) |
| EL 274 | Diversity in American Schools (3) |
| | OR |
| SO 102 | Society, Culture and Social Behavior (3) |
| EN 100 | English Composition (3) |
| EN 140 | Rhetoric & Critical Thinking (3) |
| LI xxx | Literature course (200-500 level) (3) |
| MA 134 | College Algebra (3) |

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Physical Systems course (3-5)

| | |
|------------------|--|
| PL xxx | Any Philosophy course (3) |
| PS 103 | U. S. Political Systems (3) |
| SC 105 | Fundamentals of Oral Communication (3) |
| US 105 or US 107 | American History I or II (3) |

Bachelor of Music Education Degree

For students planning to teach elementary or secondary school music.

MUSIC EDUCATION

68-69 Hour Major - No Minor Required
(A grade of 'C' or better is required for all courses within the major.)

Required Courses:

| | |
|--------|---|
| ME 001 | Senior Recital (0) |
| ME 450 | Synth of Mus Ed Method (3) |
| MM 101 | Theories of Music in Culture (3) |
| MM 102 | Basic Harmony & Form (3) |
| MM 105 | Aural Skills I (1) |
| MM 106 | Aural Skills II (1) |
| MM 203 | Adv Harmony, Form & Counterpoint (3) |
| MM 204 | Twentieth Century Techniques (3) |
| MM 207 | Aural Skills III (1) |
| MM 208 | Aural Skills IV (1) |
| MH 251 | History & Lit of Music to 1827 (3) |
| MH 252 | Evolution of Musical Style Since 1827 (3) |
| MP 1xx | Applied Music (2) |
| MP 2xx | Applied Music (2) |
| MP 3xx | Applied Music (2) |
| MP 4xx | Applied Music (1) |
| MU 001 | Piano Proficiency (0) |
| MU 002 | Sophomore Review (0) |
| MU 110 | Recitals & Concerts (seven semesters) (0) |

| | |
|--------|---------------------------------|
| MU 151 | Functional Piano I (1) |
| MU 152 | Functional Piano II (1) |
| MU 253 | Functional Piano III (1) |
| MU 254 | Functional Piano IV (1) |
| MU 341 | Basic Conducting (2) |
| UI 310 | American Musical Experience (3) |
| UI 402 | Music in World Cultures (3) |

Choose three hours from:

| | |
|--------|---|
| UI 315 | Electronics & Computers in Music (3) |
| UI 392 | The Age of Romanticism (3) |
| UI 393 | The Age of Modernism (3) |
| UI 394 | Music & Culture: 1600-1750 (3) |
| UI 396 | The Age of Beethoven (3) |
| UI 397 | Music in Medieval & Renaissance Culture (3) |

Choose One Option:

INSTRUMENTAL (21 Hours)

| | |
|--------|------------------------------------|
| ME 250 | Trumpet & Horn Techniques (1) |
| ME 251 | Trombone/Euphonium/Tuba Tech (1) |
| ME 252 | Flute & Double Reed Techniques (1) |
| ME 253 | Single Reed Techniques (1) |
| ME 260 | String Techniques (2) |
| ME 261 | Percussion Techniques (2) |
| ME 300 | Marching Band Techniques I (.5) |
| ME 400 | Marching Band Techniques II (.5) |
| MU 220 | Voice Class (2) |
| MU 344 | Conducting/ Wind Lit (2) |
| MU 3xx | Choral Ensemble (1) |
| MU 3xx | Instrumental Ensemble (7) |

VOCAL (20 Hours)

| | |
|--------|---------------------------------|
| ME 281 | Instr Fundamentals (2) |
| ME 443 | Choral Literature (2) |
| ME 473 | Tech of Teaching Choral Lit (2) |
| MP xxx | Applied Piano (2) |
| MU 114 | Singer's Diction (2) |
| MU 343 | Conducting/Choral Lit (2) |
| MU 3xx | Choral Ensemble (7) |
| MU 424 | Vocal Pedagogy (2) |

Professional Music Education Requirements:

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Instrumental & Vocal - 39 Hours

Block I: 6 Hours

| | |
|--------|-------------------------------------|
| EM 102 | Technology & the Teacher's Role (1) |
| ME 222 | Principles of Teaching Music (2) |
| PY 222 | Development of the Adolescent (3) |

Block II: 13 Hours

| | |
|--------|--|
| EF 200 | School & Society (2) |
| ME 270 | Field Experience Block II (3) |
| ME 271 | Theories/Learning & Management (2) |
| ME 272 | Techniques/Teaching Reading in Music (2) |
| ME 371 | General Music Methods: Elem & Sec (4) |

Block III: 7 Hours

| | |
|-----------|--|
| EX 390 | Psychology & Educ of the Excep Child (3) |
| ME 370 | Field Experience Block III (1) |
| ME 372 | Instrumental Techniques: Elem & Sec (3) |
| OR | |
| ME 373 | Choral Techniques: Elem & Sec (3) |

Block IV: 13 Hours

| | |
|--------|--|
| EF 400 | Seminar/Educ Issues for Student Teachers (1) |
| SE 463 | Student Teaching Experience I (6) |
| SE 464 | Student Teaching Experience II (6) |

Additional Requirements: 27 Hours

(Courses may also meet University Studies requirements)

| | |
|-----------|---|
| EN 100 | English Composition (3) |
| EN 140 | Rhetoric & Critical Thinking (3) |
| US 105 | American History I (3) |
| OR | |
| US 107 | American History II (3) |
| MA 134 | College Algebra or more advanced course (3) |
| PL 245 | Social Philosophy (3) |

| | |
|--------|--|
| PS 103 | U.S. Political Systems (3) |
| SC 105 | Fundamentals of Oral Communication (3) |
| BS 1xx | BS prefix course with lab (3) |
| EC xxx | Economics course (3) |

Bachelor of Music Degree

Designed for students with an interest in professional careers in music. Options are available in performance or composition.

MUSIC

79-85 Hour Major - No Minor Required
(A grade of 'C' or better is required for all courses within the major.)

Required Courses:

| | |
|--------|--------------------------------------|
| MH 251 | Hist & Lit of Music to 1827 (3) |
| MH 252 | Hist & Lit of Music from 1827 (3) |
| MM 101 | Theories of Music in Culture (3) |
| MM 102 | Basic Harmony & Form (3) |
| MM 105 | Aural Skills I (1) |
| MM 106 | Aural Skills II (1) |
| MM 203 | Adv Harmony, Form & Counterpoint (3) |
| MM 204 | Twentieth Century Techniques (3) |
| MM 207 | Aural Skills III (1) |
| MM 208 | Aural Skills IV (1) |
| MM 503 | Seminar in Music Theory (3) |
| MU 001 | Piano Proficiency (0) |
| MU 002 | Sophomore Review (0) |
| MU 110 | Recitals & Concerts (0) |
| MU 151 | Functional Piano I (1) |
| MU 152 | Functional Piano II (1) |
| MU 253 | Functional Piano III (1) |
| MU 254 | Functional Piano IV (1) |
| MU 300 | Junior Recital (1) |
| MU 341 | Basic Conducting (2) |
| MU 400 | Senior Recital (2) |
| UI 310 | American Musical Experience (3) |
| UI 315 | Electronics & Computers in Music (3) |
| UI 402 | Music in World Cultures (3) |

Choose One Option:

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INSTRUMENTAL PERFORMANCE (36 Hours)*

| | |
|--------|-------------------------------------|
| MP 1xx | Applied Music: Instrumental (2) |
| MP 2xx | Applied Music: Instrumental (4) |
| MP 3xx | Applied Music: Instrumental (6) |
| MP 4xx | Applied Music: Instrumental (6) |
| MU 299 | Chamber Music (4) |
| MU 3xx | Instrumental Ensemble (8) |
| MU 430 | Pedagogy: Applied Area (2) |
| MU 432 | Literature: Applied Area (2) |
| MU xxx | Music Electives MU 300 or above (2) |

*Guitar Performance option listed below due to specialized courses for that option.

GUITAR PERFORMANCE (34 Hours)*

| | |
|--------|---|
| MP 1xx | Applied Music: Guitar (2) |
| MP 2xx | Applied Music: Guitar (4) |
| MP 3xx | Applied Music: Guitar (6) |
| MP 4xx | Applied Music: Guitar (6) |
| MU 338 | Lute & Guitar Tablature (2) |
| MU 384 | Guitar Ensemble (6) |
| MU 3xx | Instrumental Ensemble (not including Guitar Ensemble) (2) |
| MU 430 | Pedagogy: Applied Area (2) |
| MU 432 | Literature: Applied Area (2) |
| MU xxx | Music Electives MU 300 or above (2) |

VOCAL PERFORMANCE (38 Hours)

| | |
|--------|------------------------------------|
| MP 101 | Applied Music: Voice (2) |
| MP 202 | Applied Music: Voice (4) |
| MP 303 | Applied Music: Voice (6) |
| MP 403 | Applied Music: Voice (6) |
| MU 114 | Singer's Diction (2) |
| MU 3xx | Vocal Ensemble (8) |
| MU 424 | Vocal Pedagogy (2) |
| | OR |
| MU 430 | Pedagogy: Applied Area (2) |
| MU 432 | Literature: Applied Area (2) |
| | OR |
| MU 540 | Vocal Literature (2) |
| MU xxx | Music Elective MU 299 or above (6) |

COMPOSITION (40 Hours)

| | |
|--------|-------------------------------------|
| MP 197 | Applied Music: Composition (2) |
| MP 298 | Applied Music: Composition (4) |
| MP 399 | Applied Music: Composition (6) |
| MP 499 | Applied Music: Composition (6) |
| MP xxx | Applied Music: Piano (2) |
| MU 430 | Pedagogy: Applied Area (2) |
| MU 432 | Literature: Applied Area (2) |
| MU xxx | Major Ensemble (8) |
| MU xxx | Music Electives MU 299 or above (8) |

Bachelor of Science in Nursing

The Bachelor of Science in Nursing (BSN) degree may be taken as a (1) professional program in nursing that prepares graduates to meet all requirements for making application to the Missouri State (or other state) Board of Nursing to write the national examination for licensure as a registered nurse (RN) in Missouri, and (2) baccalaureate completion (RN to BSN) program in nursing after licensure as a registered nurse. See Admission to Nursing Programs criteria under Admissions, page 12. To be retained in the nursing program students must maintain at least a cumulative GPA of 2.0 in academic work at the University. Students who receive a grade below a 'C' in any nursing course or any required support course are not eligible to continue in the program, and must apply for readmission to the Department of Nursing Student Affairs Committee.

NURSING

58 Hour Major - No Minor Required Required Nursing Courses (BSN):

| | |
|--------|---|
| NS 009 | Comprehensive Exam (2) |
| NS 180 | The Nursing Profession (2) |
| NS 181 | Pro Practice: Clinical Skills (2) |
| NS 182 | Pro Practice: Rural Nursing (1) |
| NS 183 | Phys Aspects of Well Client (3) |
| NS 184 | Emotional/Spiritual Aspects Well Client (3) |
| NS 281 | Pro Practice: Family Nursing I (3) |
| NS 282 | Pro Practice: Family Nursing II (3) |

| | |
|--------|---|
| NS 283 | Pro Practice: Med-Surg Nursing I (6) |
| NS 383 | Pro Practice: Med-Surg Nursing II (6) |
| NS 384 | Pro Practice: Mental Health Nursing (3) |
| NS 385 | Research in Pro Practice (2) |
| NS 386 | Pro Practice: Comm Health Nursing (6) |
| NS 480 | Pro Practice: Leadership and Mgt (6) |
| NS 481 | Advanced Assessment (1) |
| NS 482 | Professional Seminar (1) |
| NS 483 | Pro Practice: Care of the Frail Elderly (2) |
| NS 484 | Comprehensive Pro Practice (6) |

| | |
|--------|--|
| NS 390 | Framework for Professional Nursing (4) |
| NS 480 | Professional Practice: Leadership & Management (6) |

For required support courses and advanced placement credit information contact the Department of Nursing.

Associate Degrees

The following statements pertain to all associate degrees:

- A minimum of 20 hours must be completed in residence at Southeast.
- The student's last term must be completed in residence at Southeast, except that, in the case where six or fewer hours are needed to meet the total number of hours required for graduation, they may be taken from another accredited college or university, or by correspondence or extension, subject to the rules governing extension courses and transfer of credit.
- A minimum cumulative GPA of 2.0 is required for graduation.
- A minimum 2.0 GPA for all of the degree credit attempted at Southeast is required in the major and overall.
- The student must pass EN 099 or EN 110; and MA 095; or score at the appropriate levels on placement tests to have the courses waived. Additionally, the following statements pertain to all associate of arts degrees:
- The University Studies Program, consisting of 21 hours, is required.
- A minimum of 64 hours of degree credit (courses numbered 100-599) is required for graduation.

Required Support Courses (BSN):

| | |
|------------|---|
| BS 113/013 | Anatomy & Physiology I (3) |
| BS 114/014 | Anatomy & Physiology II (3) |
| CH 180 | Chemistry in Our World (3) |
| BS 340 | Microorganisms & Their Human Hosts (3) |
| OR | |
| BI 200 | General Microbiology (3) |
| EN 140 | Rhetoric & Critical Thinking (3) |
| FN 235 | Nutrition for Health (3) |
| NS 232 | Altrd Hlth & Pharm Mgt I (3) |
| NS 234 | Altrd Hlth & Pharm Mgt II (3) |
| NS 236 | Altrd Hlth & Pharm Mgt II Lab (1) |
| PY 220 | Psych Devel Across the Life Span (3) |
| UI 412 | Amer Health Care Systems & Issues (3) |
| xx xxx | Statistics course approved by advisor (3) |

Required Nursing Courses (RN to BSN):

| | |
|--------|---|
| NS 380 | Holistic Assessment & Diagnosis (4) |
| NS 385 | Research in Professional Practice (2) |
| NS 386 | Professional Practice: Community Health Nursing (6) |

ASSOCIATE OF APPLIED SCIENCE IN CHILD CARE AND GUIDANCE

Granted upon completion of a two-year program in human environmental studies and related disciplines.

| | |
|---------------------------------|----------|
| Minimum Degree requirements | 65 Hours |
| University Studies requirements | 21 Hours |
| Required Courses | 37 Hours |
| Additional Requirements | 7 Hours |

Required Courses:

| | |
|--------|--------------------------------------|
| CF 102 | Personal & Family Relations (2) |
| CF 120 | The Child: Dev/Concept to Adolsc (3) |

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| | |
|--------|--|
| CF 126 | Facilitating Development/Young Children (3) |
| CF 200 | Guiding Alternatives (3) |
| CF 210 | Field Experience in Early Child Programs (2) (waived for documented work experience in day care center) |
| CF 290 | Preschool Participation I (2) |
| CF 291 | Preschool Participation Lab (1) |
| CF 300 | Working With Parents (2) |
| CF 301 | Working With Parents Lab (1) |
| CF 312 | Org & Mgt of Child Care Centers (3) |
| CF 316 | Prenatal/Infant Grwth & Stimulation (2) |
| CF 317 | Prenatal/Infant Growth & Stimulation Lab (1) |
| FN 425 | Health, Nutrition & Safety of Young Child (3) |
| CF 450 | Teaching Young Children, Ages 3-5 (3) |
| xx xxx | Electives approved by advisor (6) |

Additional Requirements:

| | |
|--------|------------------------------------|
| AR 270 | Art for the Elementary Teacher (3) |
| AT 119 | Children's Rhythms (1) |
| EN 100 | English Composition I (3) |
| EN 140 | Rhetoric & Critical Thinking (3) |
| LI 243 | Children's Literature (3) |
| PS 103 | U.S. Political Systems (3) |
| | OR |
| PS 104 | Comparative Political Systems (3) |
| PY 101 | Psych Persp on Human Behavior (3) |

CPR CERTIFICATION IS REQUIRED FOR DEGREE

NOTE: MA 095 Intermediate Algebra is required unless waived by appropriate score on ACT Math sub-test.

ASSOCIATE OF APPLIED SCIENCE IN COMPUTER TECHNOLOGY

The purpose of the program is to prepare individuals for entry-level positions in industry.

69 Hours Required

Core Requirements: 36 Hours

| | |
|--------|------------------------------------|
| EN 100 | English Composition I (3) |
| | OR |
| EN 140 | Rhetoric & Critical Thinking (3) |
| IM 102 | Technical Communications (3) |
| IS 175 | Information Systems I (3) |
| | OR |
| AD 101 | Intro Micro Applications (3) |
| IS 275 | Information Systems II (3) |
| | OR |
| AD 339 | Network Support Sys (3) |
| MA 133 | Plane Trigonometry (2) |
| MA 134 | College Algebra (3) |
| MN 260 | Tech Computer Programming (3) |
| PH 120 | Introductory Physics I (5) |
| PH 121 | Introductory Physics II (5) |
| | OR |
| CH 181 | Basic Principles of Chemistry (5)* |
| PS 103 | U.S. Political Systems (3) |
| SC 105 | Fund of Oral Communications (3) |

*CH 181 required for Automated Manufacturing Option

Choose One 33 Hour Option:

AUTOMATED MANUFACTURING

| | |
|--------|---|
| ET 160 | Basic Electricity & Electronics (3) |
| ET 194 | Intro to PLC's (3) |
| IM 311 | Statistical Process Control (3) |
| MN 170 | Industrial Materials & Testing (3) |
| MN 203 | Industrial Materials & Processes I (3) |
| MN 204 | Industrial Materials & Processes II (3) |
| MN 354 | Computer Aided Mfg (3) |
| MN 356 | Robotics (3) |
| MN 412 | Advanced Manufacturing System (3) |
| TG 120 | Computer Aided Eng. Graphics (3) |
| TG 220 | Solid Modeling & Rapid Prototyping (3) |

MICROCOMPUTER SYSTEMS

- ET 162 DC/AC Principles & Circuits I (3)
- ET 164 DC/AC Principles & Circuits II (3)
- ET 194 Intro to PLC's (3)
- ET 260 Electronic Circ Design/Analysis I (3)
- ET 262 Electronic Circ Design/Analysis II (3)
- ET 364 Logic Circuits (3)
- OR**
- EP 305 Digital & Analog Sys (3)
- ET 366 Microcontrollers (3)
- ET 368 Advanced Digital Principles (3)
- ET 462 Networking I (3)
- ET 464 Telecommunications & Networking II (3)
- ET 465 Computer Peripherals (3)

TECHNICAL COMPUTER GRAPHICS

- TG 120 Computer Aided Eng. Graphics (3)
- TG 170 Intro to Graphics (3)
- TG 220 Solid Modeling & Rapid Prototyping (3)
- TG 272 Electronic Publishing (3)
- TG 320 Architectural Drawing I (3)
- TG 322 Architectural Drawing II (3)
- TG 324 Design Modeling & Processes (3)
- TG 374 Digital Imaging & Editing (3)
- TG 376 Multimedia & Animation (3)
- TG 422 Multicolor Print Processes (3)
- TG 472 Advanced Graphic Projects (3)

Pre-Professional Programs

Pre-professional programs available at the University include pre-architecture, pre-chiropractic, pre-dental, pre-engineering, pre-law, pre-medical, pre-optometry, pre-pharmaceutical, pre-physical therapy, pre-veterinary, and pre-vocational agriculture education.

PRE-ARCHITECTURE CURRICULUM

Students should complete a prescribed program of 34-45 credit hours at the University to apply toward a degree in architecture from Kansas State University. Students planning to transfer to another architecture school should consult with an advisor from that institution. All students must consult with the pre-architecture advisor in the Department of Industrial and Engineering Technology prior to the beginning of their program of study.

PRE-CHIROPRACTIC CURRICULUM

Schools of chiropractic medicine usually require the completion of at least 90 credits prior to admission. The specific required courses usually include biology (8-10 credits), chemistry (18-20 credits), English (6 credits), physics (8-10 credits), psychology, and social sciences/humanities (15-20 credits). If you enter without a degree, many professional schools will grant a bachelor's degree when you have completed one-half of their curriculum.

There are not a large number of chiropractic schools in the United States and students should obtain the admission requirements from the schools to which they plan to apply. This information should then be used to plan the student's academic program. This planning is done in consultation with the pre-chiropractic advisor in the Department of Biology.

PRE-DENTAL CURRICULUM

Dental schools will admit students after they have earned 90 credits. These students, however, must have very strong academic credentials. Most admitted students will have completed a bachelor's degree (120+credits) prior to entrance. Specific subject requirements are very similar to those required for admission to medical schools. Strong letters of reference, good admission test (DAT) scores, and a demonstrated motivation for dentistry are also necessary. Students should be prepared to apply to several professional schools and should plan their academic programs accordingly. This planning is done in consultation with the pre-dental advisor in the Department of Biology.

PRE-ENGINEERING CURRICULUM

The two-year pre-engineering curriculum is designed so that students can receive a degree from an engineering school after an additional two years of study. The curriculum is closely articulated with programs at the University of Missouri-Rolla and the University of Missouri-Columbia. Transfer brochures have been prepared in cooperation with both universities and are available to students. Students planning to attend another engineering school should consult the catalog from that institution and arrange their programs with a pre-engineering advisor. Students expecting to enroll in

the pre-engineering program should have a mathematics background in high school of at least one year of geometry, two years of algebra, and one year of pre-calculus mathematics which includes trigonometry. If these requirements are not met it will be necessary to correct any deficiencies upon entering the University. Generally, this necessitates attending an additional summer term prior to transferring. Provisions have been made to accommodate students in this category. Students should complete from 64 to 68 credit hours prior to transferring if they expect to complete an engineering degree in four years. This includes not only required courses in mathematics, physics, and engineering, but also courses in the humanities and the social sciences. Students who maintain a high academic standing will be eligible for transfer scholarships. A preengineering advisor in the Department of Physics and Engineering Physics should be consulted for details regarding the preengineering program.

PRE-LAW CURRICULUM

Students interested in attending law school after graduation should understand that there is no single pre-law curriculum. Rigidly structured "pre-law majors" are in fact strongly discouraged by schools of law. A wide variety of undergraduate majors are suitable as law school preparation, provided that they have a strong academic content. Courses that develop a student's ability to think logically and to express thoughts lucidly in written form are strongly suggested. While there is no specific "pre-law major", the Department of Political Science, Philosophy, and Religion provides pre-law advising to those students, regardless of actual major, who are considering a career in law. Such advising includes recommending to students various schools of law which may be most appropriate for them, assisting students with the law school application process (including the Law School Admission Test), and recommending undergraduate preparation for the subsequent law school experience.

PRE-MEDICAL CURRICULUM

Most medical schools require a bachelor's degree (120+ credits) to be earned before entrance. There are a few schools that will allow entrance after having earned 90 credits, but only students with very strong academic credentials will be considered for acceptance. Specific subject requirements include English (6-9 credits), biology (15-20 credits), chemistry (18-20 credits), physics (10 credits), and mathematics (courses essential for the chemistry and physics courses, college algebra/trigonometry; a few professional schools require calculus). In addition to good course grades, strong letters of refer-

ence, good admission test (MCAT) scores, and a demonstrated motivation for medicine are necessary. Students should consult the catalogs of the professional schools to which they plan to apply and plan their course programs accordingly. This planning is done with advice from the pre-medical advisors in the Department of Biology.

PRE-OPTOMETRY CURRICULUM

Optometry schools have admission requirements that are very similar to those for dental schools. They will admit students who have completed 90 credits, but most admitted students have completed a bachelor's degree. Course requirements are similar to dental schools, but most also have mathematics requirements that include one or two semesters of calculus. Other admission requirements will also be similar to those for dentistry, except the admission test (OAT) is different. There are only 17 optometry schools in the United States. Students should plan their course programs in a way that will allow them to apply to more than one school. This planning is done in consultation with the pre-optometry advisor in the Department of Biology.

PRE-PHARMACY CURRICULUM

Since there are more than 70 schools of pharmacy in the United States, pre-pharmacy should be advised according to the bulletin(s) of the school(s) to which the student is considering transfer. While each program is unique, most programs are either one or two years in length, and usually require chemistry, biology, physics, mathematics, and English, in addition to certain specified courses in other fields. Students interested in pre-pharmacy should contact Dr. Bruce Hathaway, the pre-pharmacy advisor in the Department of Chemistry as early as possible in the enrollment process.

PRE-PHYSICAL THERAPY CURRICULUM

Most physical therapy programs require completion of a bachelor's degree prior to admission (e.g., Southwest Missouri State University). Students preparing for application to such programs must declare a major at Southeast in addition to enrolling in the pre-physical therapy program. Health Management, Biology, Chemistry and Human Environmental Studies/Dietetics option majors are particularly complementary to physical therapy preparation as they include many of the prerequisite courses. Prerequisite courses commonly include biology, chemistry, mathematics, psychology and English. Some physical therapy programs accept transfer students after completion of 60 hours of prerequisite courses, after which students continue as juniors in a combined BS/MS program (e.g., University of Mis-

souri-Columbia). Students planning to apply to such programs do not need to declare a major at Southeast but should enroll in the pre-physical therapy program. Because each physical therapy program designates its own requirements for admission, students should pay close attention to the prerequisites of schools where they plan to apply. Students pursuing prephysical therapy should contact the Department of Health, Human Performance and Recreation as early as possible in the enrollment process.

PRE-VETERINARY CURRICULUM

Students preparing for application to a professional Veterinary Medicine Program for completion of a Doctor of Veterinary Medicine (D.V.M.) degree must enroll in a pre-professional program. The minimum requirements for admission to most professional programs include 64 hours of course work (the pre-professional program), completion of the Graduate Record Exam (GRE), and acceptance by the College of Veterinary Medicine to which the student makes application. Specific subjects required in the pre-professional program include English, college algebra, biology, chemistry (inorganic, organic and biochemistry), physics, and certain University Studies courses. Courses in animal science are also recommended. Students should consult the current catalog of the College of Veterinary Medicine they plan to attend and develop their program in conference with the Pre-Veterinary Medicine advisor. Students enrolled in the pre-professional program should plan a four-year degree program along with the Pre-Veterinary Medicine program. Students enrolling at Southeast Missouri State University will find majors in Agriculture, Chemistry, or Biology particularly complementary to the D.V.M. program. For more information, contact the School of Polytechnic Studies Advising Center.

PRE-VOCATIONAL AGRICULTURE EDUCATION CURRICULUM

Students interested in certification to teach Vocational Agriculture enroll in a three-year pre-agriculture education program and complete the fourth year at a certifying institution. University Studies, core courses in agriculture, and agricultural mechanization may be completed prior to transfer. Students will apply for admission to a teacher education program after transferring. Agricultural education prepares students to be instructors of vocational agriculture in public high schools and area vocational technical schools. It can also prepare students for careers in many other areas such as agricultural business and industry. Students may specialize in particular fields such as mechanization, economics, agronomy or horticulture. It is an exciting field that provides the opportunity to guide and develop, through

instruction, the future leaders of our nation's agricultural industry.