

Degrees/Majors/Curricula



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)

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Southeast Missouri State University 2004-05

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
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 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
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	
Engineering Technology/BS.....	Industrial Technol-ogy/Polytech

Electrical & Control Manufacturing	
English/BA, BSED.....	English/Lib Arts
Literature	
Writing	
Environmental Science/BS.....	Environmental Sci/Sci&Math
Exceptional Child Educ/BSED....	Early, 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
French/BA, BSED.....	For Lang & Anthro/Lib Arts
General Studies/BGS.....	College Advising Center/Lib Arts
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 Art
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/Polytech
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
Marketing/ BSBA.....	Mgmt & Mktg/Bus
Integrated Marketing Communication	
Marketing Management	
Mass Communication.....	Communication/Lib Arts

Advertising/BS
 Journalism/BA
 Media Studies/BA
 Public Relations/BS
 Radio/BS
 Video Production/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
 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
 Spanish/BA, BSED.....or Lang & Anthropology/Lib Arts
 Speech & Theatre Education/BSED.....Theatre &
 Dance/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 Production.....(see Mass Communication)

The areas from which majors must be chosen are:

Anthropology	History
Art	Mass Communication
Chemistry	Options: Journalism, Media Studies
Communication Studies	Music
English	Philosophy
Options: Literature, Writing	Political Science
French	Spanish
German	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)
AN 317	Ethnographic Field Methods (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
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ART
36-56 Hour Major - Minor Required
 (see also Bachelor of Fine Arts degree)

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.

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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 6 Hours Additional Art History Courses (300-500 level)

Choose one 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)

COMMUNICATION STUDIES

30 Hour Major - Minor Required

Required Courses:

SC 105	Fund of Oral Communication (3)
	OR
SC 155	Fund of Interpers Communication (3)
SC 200	Advanced Public Speaking (3)
SC 320	Group Comm & Decision-Making (3)
UI 345	Nonverbal Communication (3)
UI 425	Persuasion (3)
	OR
SC 560	Organizational Communication (3)

Choose 15 Hours from the Following:

SC 160	Intercollegiate Debate (2)
SC 161	Intercollegiate Debate (2)
SC 215	Intercultural Communication (3)
SC 310	Speech Writing (3)
SC 314	Argumentation & Problem Solving (3)
SC 330	Corporate & Professional Comm (3)
SC 335	Interviewing (3)
SC 355	Relational Comm Strategies (3)
SC 400	Advanced Debate (3)
SC 406	Negotiation & Conflict Mgmt (3)
SC 483-486	Internship in Speech Comm (3)
SC 505	Semnr/Criticism Amer Pub Address (3)
SC 510	Group Dynamics (3)
SC 560	Organizational Communication (3)
UI 301	Managerial Communication (3)
UI 423	Political Communication (3)
UI 425	Persuasion (3)

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 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 578 Studies in Later English Lit (3)
- UI 341 Victorian Studies (3)

Choose 6 Hours From:

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

Choose 3 Hours From:

- LI 510 Literature & the Bible (3)
- LI 572 The Modern Essay (3)
- LI 574 Australian Literature (3)

- LI 587 Women and Madness (3)
- UI 332 Images of Women in Literature (3)

WRITING OPTION

Choose 3 Hours From:

- EN 376 Advanced 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 421 Cross-Cultural Amer Voices (3)
- LI 542 Literature for the Young Adult (3)
- LI 565 Southern Literature (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)

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

AND

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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 311	Survey of French Literature II (3)
FR 415	17th 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)

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

Additional Requirement:

Choose 3 Hours From:

FL 205	Art of French Cinema (3)
EH 366	Age of French Rev & Napoleon (3)
EH 370	Europe in the 20th Century (3)

EH 514	History of Modern France (3)
GG 170	European Peoples & Civilization (3)
UI 362	Contemporary French Culture (3)
UI 375	European Film (3)
WH 103	Modern European Civilization (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 390	European Prehistory (3)
GG 170	European Peoples & Civilization (3)
UI 375	European Film (3)
WH 103	Modern European Civ (3)
EH 370	Europe in the 20th Century (3)
EH 516	History of Modern Germany (3)
EH 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
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Choose one of the following options:

xx xxx	6 Hours in Foreign Language
PY 271	Research Design and Analysis I (3)
AND	
PY 370	Research Design and Analysis II (3)
MA 134	College Algebra (3)
AND	
MA 223	Elementary Prob & Statistics (3)
OR	
CS 120	Intro to Computer Science (3)

MASS COMMUNICATION

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

(A grade of 'C' or better is required for all courses within the major except MC 486 and MC 496 which are credit/no credit courses.)

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 496	Practicum in Mass Comm (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)

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)

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Choose a minor in: Communication Studies, 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)
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Additional Requirement for all BA Music majors:

xx xxx	6 Hours in ONE Foreign Language
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PHILOSOPHY

31 Hour Major - Minor Required

Required Courses:

PL 120	Symbolic Logic I (3)
OR	
PL 330	Symbolic Logic II (3)
PL 203	Aesthetics and The Arts (3)
OR	
PL 204	Ethical Theory (3)
OR	
PL 245	Social & Political Philosophy (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 001	Senior Assessment (0)
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 335 American Foreign Policy (3)
- PS 360 Political Parties & Voting Behavior (3)
- PS 365 Legislative Process (3)
- PS 387-389 Independent Study in Poli Sci (1-3)
- PS 390 American Judicial System (3)
- PS 418 Public Policy Analysis (3)
- PS 490 Constitutional Law (3)
- UI 320 Modern Presidency (3)

Comparative Governments & Politics

- PS 355 Third World Politics (3)
- PS 387-389 Independent Study in Poli Sci (1-3)
- 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 in Poli Sci (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 in Poli Sci (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 425 Administrative Law & Procedure (3)

Political Theory

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

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)

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Choose 3 Hours From:

SN 403	Survey of Spanish Literature I (3)
SN 404	Survey of Spanish Literature II (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)

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

Additional Requirement:

Choose 3 Hours From:

AN101	Observing Other Cultures (3)
AN 181	Intro to Cultural Anthropology (3)
AN 241	Intro to Linguistic Anthropology (3)
AN 360	Ancient Civ of Meso-America (3)
GH 125	Islamic Civilization (3)
GH 130	Latin American Civilization (3)
UI 375	European Film (3)
EH 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)

THEATRE

45 Hour Major - Minor Required

Required Courses:

TH/DA 105	Rehearsal & Production (1)
TH 155	Makeup (3)
TH 218	Acting I (3)
TH 231	Stagecraft I (3)
TH 251	Costume Construction (3)
TH 285	Script Analysis (3)
TH/DA 305	Rehearsal & Production (3)
TH 385	Directing I (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 265	Drawing for the Theatre (3)
TH 316	Acting II (3)

Choose 12 Hours From:

TH 331	Stagecraft II (3)
TH 350	Stage Lighting I (3)
TH 351	Costume Design I (3)
TH 361	Scene Painting (3)
TH 371	Scenic Design I (3)
TH 375	Theatre Management (3)
TH 395	Period & Style (3)
TH 416	Acting III (3)
TH 431	Stage Combat II (3)
TH 450	Stage Lighting II (3)
TH 451	Costume Design II (3)
TH 471	Scenic Design II (3)
TH 485	Directing II (3)

Bachelor Of Fine Arts Degree

BACHELOR OF FINE ARTS DEGREE

See Admission to Bachelor of Fine Arts-Art major criteria under Admissions, page 17.

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 Graphic Design 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

61 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:

DA 280	Movement Analysis (3)
DA 330	Choreography I (3)
TH/DA 105	Rehearsal & Production (2)
TH 155	Makeup (3)
TH 218	Acting I (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:

ACTING/DIRECTING (30 Hours)

TH 316	Acting II (3)
TH 317	Voice for Actors (3)
TH 321	Stage Combat I (3)
TH 385	Directing I (3)
TH 416	Acting III (3)
TH 485	Directing II (3)
TH 490	Theatre History I (3)
TH 495	Theatre History II (3)

Choose 4 Hours From:

DA 211	Ballet I (2)
DA 221	Contemporary Dance I (2)
DA 226	Jazz Dance I (2)
DA 236	Tap Dance I (2)

Choose 2 Hours From:

DA 311	Ballet II (2)
DA 321	Contemporary Dance II (2)
DA 326	Jazz Dance II (2)
DA 336	Tap Dance II (2)
DA 485	Choreography II (3)
TH 431	Stage Combat II (3)

Additional Requirements: 6 Hours

UI 384	Musical Theatre: Origins to Present (3)
UI 433	Aesthetics of Movement (3)

DANCE (32 Hours)

DA211	Ballet I (2)
DA 221	Contemporary Dance I (2)
DA 226	Jazz Dance I (2)
DA 236	Tap Dance I (2)
DA 311	Ballet II (2)
DA 321	Contemporary Dance II (2)
DA 326	Jazz Dance II (2)
DA 336	Tap Dance II (2)
DA 485	Choreography II (3)
DA 490	Dance History (3)
TH 350	Stage Lighting I (3)
TH 351	Costume Lighting I (3)

Choose 2 Hours From:

DA 411	Ballet III (2)
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DA 421	Contemporary Dance III (2)
DA 426	Jazz Dance III (2)

Additional Requirements: 9 Hours

UI 390	The Film as Musical (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

UI 384	Musical Theatre: Origins to Present (3)
UI 433	Aesthetics of Movement (3)

Bachelor Of General Studies Degree

Allows individual 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

Chemistry

Communication Disorders

Computer Science

Computer Science, Applied

Corporate Communication

Criminal Justice

Options: Corrections
Law Enforcement
Security Management

Economics

Engineering Technology

Options: Electrical & Control
Manufacturing

Engineering Physics

Options: Applied Physics and Engineering
Computer Applications in Physics & Engineering

Environmental Science

Health Management

Options: Athletic Training
Exercise Science
Health Promotion

Historic Preservation

Hospitality Management

Human Environmental Studies

Options: Child Development

Dietetics

Family Life

Fashion Merchandising

Housing & Interior Design

Industrial Technology

Options: Construction Management & Design

Electronics & Computer Technology

Options: Industrial Management
Technology (AAS transfers)
Technical Graphics

Interdisciplinary Studies

Mass Communication

Options: Advertising
Public Relations
Radio
Video Production

Mathematics:

Options: Pure Mathematics
Applied Mathematics & Statistics

Medical Technology

Physics

Political Science

Psychology

Recreation

Social Work

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 (3-6)

OR

AG 469 Undergrad Research (3)
AG 470 Agriculture Sales (3)
AO 120 Plant Science (4)
MA 223 Elem Prob & Statistics (3)

OR

QM 257 Business Statistics (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 (3-6)

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 & Statistics (3)

Additional Requirements (8-11 Hours):

CH 181 Basic Princ in Chem (5)

OR

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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 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 300	Intro to Evolutionary Biology (3)
BI 381	Genetics (3)
BI 487	Biology Seminar (1)
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 Area of Concentration:

BIOMEDICAL SCIENCES

ZO 331	Animal Physiology (3)
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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)
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Additional Requirements: 24-26 Hours

CH 185	General Chemistry I (5)
CH 186	General Chemistry II (3)
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)
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Additional Requirements: 14-16 Hours

CH 185	General Chemistry I (3)
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 185/005/085	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 Laboratory I (1)
CH 343	Organic Chemistry II (3)
CH 344	Organic Chemistry Laboratory II (2)

CH 498	Professional Presentation in Chemistry (1)
UI 443	Professional Experience in Chemistry (3)

Additional Requirements: 22 Hours

MA 140	Analytical Geometry and Calculus I (5)
MA 145	Analytical Geometry and Calculus II (4)
MA 240	Analytical Geometry and Calculus III (3)
PH 120/020	Introductory Physics I (5)
AND	
PH 121/021	Introductory Physics II (5)
OR	
PH 230/030	General Physics I (5)
AND	
PH 231/031	General Physics II (5)

Choose One Of The Following Concentration Areas:

CHEMISTRY

no additional major courses required beyond the core and additional requirements.

ACS CERTIFIED CHEMISTRY (12-14 Hours)

CH 531	Biochemistry I (3)
OR	
UI 331	Biochemistry I (3)
CH 563	Inorganic Chemistry (4)
CH 575	Chemical Instrumentation (4)

Additional Requirements:

One additional hour, to include a one credit-hour lab component, chosen from the following:

CH 391	Undergraduate Research (1)
CH 392	Undergraduate Research (2)
CH 447	Advanced NMR Techniques (2)
CH 533	Biochemistry Laboratory (2)
CH 545	Organic Preps and Characterization (3)

BIOCHEMISTRY (20 Hours)

BI 190	Life Processes (4)
BI 200	General Microbiology (3)

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BI 381	Genetics (3)
BI 404	Cell Biology (3)
CH 531	Biochemistry I (3)
	OR
UI 331	Biochemistry I (3)
CH 532	Biochemistry II (2)
CH 533	Biochemistry Laboratory (2)
BUSINESS* (30 Hours)	
AC 221	Principles of Financial Management (3)
AC 222	Principles of Managerial Accounting (3)
EC 215	Principles of Microeconomics (3)
EC 225	Principles of Macroeconomics (3)
FI 361	Financial Management (3)
IS 175	Information Systems I (3)
MA 223	Elementary Probability and Statistics (3)
	OR
QM 257	Business Statistics (3)
MG 301	Management and Organizational Behavior (3)
MI 375	Management Information Systems (3)
MK 301	Principles of Marketing (3)

*Upon completion of the B.S. in Chemistry (Business Concentration) degree program, students may apply directly to the MBA program at Southeast. For more information about the MBA degree program, contact the MBA office in the Robert A. Dempster Hall at Southeast Missouri State University.

COMMUNICATION DISORDERS 35 Hour Major - No Minor Required (See Admission to Communication Disorders Program criteria under Admissions, page 17)

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 402	Clinical Practicum/Comm Disorders (3)
CD 406	Service Delivery in Comm Disorders (4)
CD 411	Nature Assmt/Intrvntn Spch/Lang Disorders (4)
CD 426	Hearing Disorders: Audiological Assmt (3)

Choose one of the following:

CD 510	Multicultural Issues in Comm Disorders (3)
CD 525	Aural Rehabilitation (3)
CD 541	Fluency 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 Perspective 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)
PH 106	Physical Concepts (3)

Choose One of the Following:

CD 110	Language Culture of Deaf (3)
SO 102	Society, Culture & Social Behavior (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
56-83 Hour Major - No Minor Required*

Required Courses:

CS 003	Computer Science Assessment (0)
CS 155	Computer Science I (4)
CS 245	Discrete Structures I (3)
CS 265	Computer Science II (4)
CS 280	Computer Systems (3)
CS 300	Computer Science III (4)
CS 315	C & the Unix Environment (3)
CS 331	Applications Programming (3)
CS 440	Data Base (3)
CS 445	Software Engineering I (3)
CS 480	Data Communications (3)
CS 495	Senior Seminar (1)
IS 130	Visual Basic Programming I (3)
IS 175	Information Systems I (3)
IS 275	Information Systems II (3)
MA 139	Applied Calculus (3)
OR	
MA 140	Analytical Geom & Calc I (5)
MA 223	Probability & Statistics (3)
UI 450	Capstone Experience (3)

Choose 6 hours CS or IS prefix courses (300-500 level)

COMPUTER SCIENCE
79 Hour Major - No Minor Required

Required Courses:

CS 003	Computer Science Assessment (0)
CS 155	Computer Science I (4)
CS 245	Discrete Structures (3)
CS 265	Computer Science II (4)
CS 280	Computer Systems (3)
CS 300	Computer Science III (4)
CS 315	C & the Unix Environment (3)
CS 331	Applications Programming (3)
CS 345	Discrete Structures II (3)
CS 350	Analysis of Algorithms (3)
CS 380	Operating Systems (3)

CS 390	Programming Languages (3)
CS 440	Database (3)
CS 445	Software Engineering I (3)
CS 480	Data Communications (3)
CS 495	Senior Seminar (1)
MA 140	Analytic Geometry & Calculus I (5)
MA 145	Analytic Geometry & Calculus II (4)
MA 223	Probability & Statistics (3)
MA 345	Linear Algebra (3)
UI 450	Capstone Experience (3)

Choose 3 hours CS or IS prefix courses (300-500 level)

Choose 12 hours in one science, suitable for science majors.

At least two courses must have lab component. Choose from Biology, Chemistry, Geoscience, or Physics/Engineering Physics.

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)
SC 330	Corporate & Professional Comm (3)
SC 335	Interviewing (3)
SC 481	Practicum in Corporate Comm (3)
OR	
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)

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SC 406	Comm Prin/Negotiation & Conflict Mgmt (3)
UI 345	Nonverbal Communication (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 345	Intro to Business Research (3)
MK 349	Retail Management (3)
MK 447	Sales Management (3)
MK 560	International Marketing (3)

Choose 6 hours from the following:

MG 362	Management Systems I (3)
MG 470	Leadership in Management (3)
MG 550	Improving Team Performance (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	Statistical 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 xxx	CJ Course (300-500 level) (3)

SECURITY MANAGEMENT

CJ 325	Intro to Security Systems (3)
CJ326	Security & Loss Prevention (3)
CJ327	Security Management (3)
CJ422	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 TECHNOLOGY

90 Hour Major - No Minor Required

CH 181	Basic Principles of Chemistry (5)
ET 194	Intro to PLCs (3)
IM 102	Technical Communications (3)
IM 211	Industrial Safety Supervision (3)
IM 311	Statistical Process Control (3)
MA 133	Plane Trigonometry (2)
MA 134	College Algebra (3)
MA 139	Applied Calculus (3)

OR

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MA 140	Analytic Geometry & Calculus I (5)
MA 223	Elementary Probability & Statistics (3)
MN 220	Engineering Economic Analysis (3)
MN 260	Technol Computer Programng Appl (3)
MN 356	Robotics (3)
MN 383	Fluid Power (3)
MN 412	Advanced Manufacturing Systems (3)
MN 416	Manufacturing Seminar (1)
PH 120	Introductory Physics I (5)
PH 121	Introductory Physics II (5)
UI 410	Manufacturing Research (3)

Choose One 33 Hour Option:

ELECTRICAL AND CONTROL:

ET 162	DC Principles & Circuits (3)
ET 164	AC Principles & Circuits (3)
ET 260	Electronic Circ Design/Analysis I (3)
ET 264	Industrial Electronics (3)
ET 364	Logic Circuits (3)
ET 365	Industrial Electrical Power (3)
ET 366	Microcontrollers (3)
ET 367	Motor Control and Drive Systems (3)
ET 462	Networking I (3)
ET 468	Industrial Control (3)
ET 470	Energy Management (3)

MANUFACTURING:

ET 160	Basic Electricity & Electronics (3)
IM 313	Facilities Planning (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 319	Statics & Strengths of Materials (3)

MN 354	Computer Aided Manufacturing (CAM) (3)
MN 402	Plastics & Processes (3)
TG 120	Computer Aided Eng. Graphics (3)
TG 220	Solid Modeling & Rapid Prototyping (3)

ENGINEERING PHYSICS

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

www.abet.org)

61 Hour Major - No Minor Required

Required Courses:

EP 100	Physics & Engineering Concepts (1)
EP 240	Circuit Analysis (4)
EP 305	Digital & Analog Syst Design (3)
EP 340	Electronic Circuits (4)
EP 372	Signals and Systems (3)
EP 480	Capstone Design I (1)
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)
UI 450	Capstone Experience (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)

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Choose One of the Following Options (14 Hours):

APPLIED PHYSICS AND ENGINEERING

EP 361	Thermal Analysis (3)
EP 374	Control Systems (3)
EP 462	Material Science (3)
PH 473	Quantum Mechanics (3)

Choose 2 Hours Approved EP or PH Electives

COMPUTER APPLICATIONS IN PHYSICS AND ENGINEERING

CS 155	Computer Science I (4)
CS 265	Computer Science II (4)
CS 315	C & the Unix Environment (3)
EP 310	Microcomputer Interfcing (3)

ENVIRONMENTAL SCIENCE

96-94 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)
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)
GO 110	Physical Geology (3)
GO 365	Environmental Soil Science (4)
GO 460	Environmental Hydrology (3)
IS 175	Information Systems I (3)

MA 140	Analytical Geometry & Calculus I (5)
MA 223	Elementary Probability & Statistics (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 373	Earth & Life Through Time (3)
UI 429	Environmental Ethics (3)

Choose 6 Hours From:

UI 331	Biochemistry I (3)
UI 339	North American Indians (3)
UI 360	Recycling & Waste Management (3)
UI 372	Earthquakes & Society (3)
UI 386	Environmental Health (3)
UI 387	Environmental Law & Public Policy (3)

Choose One Concentration Area

BIOLOGY (16 Hours)

BI 190	Life Processes (4)
BI 225	Research Methods in Biology (3)
BO 200	Plant Biology (3)
OR	
ZO 200	Animal Biology (3)
(whichever was not completed in the core)	
Choose 6 Hours From:	
BI 381	Genetics (3)
BI 420	Principles of Wildlife Management (3)
BI 430	Management of Wildlife Habitat (3)
BI 432	Advanced Ecology (3)
BI 435	Conservation Biology (3)
BI 440	Ecology & Management of Wetlands (3)
BI 441	Virology (3)
BI 442	Immunology (3)
BI 443	Epidemiology (3)

BI 445	Microbial Physiology (3)
BI 452	Limnology (3)
BI 453	Occupational Health (3)
BI 454	Risk Assessment (3)
BI 455	Industrial Hygiene (3)
BI 460	Introduction to Toxicology (3)
BI 469	Wildlife Toxicology (3)
BI 471-473	Internship in Biology (1-3)
BI 543	Pathogenic Microbiology (2)
BI 544	Pathogenic Microbiology Laboratory (1)
BI 589-591	Biological Research (1-3)
BO 361	Systematic Botany (3)
BO 445	Plant Physiology (3)
BO 461	Native Aquatic Plants (3)
BO 469	Field Botany (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)

NOTE: Admission to MBA program may require Completion of all courses in Business option.

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)
CH 531/UI 331	Biochemistry I (3)

ENVIRONMENTAL HEALTH (21 Hours)

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)

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

Choose 2-3 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)

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)

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GO 465 Low Temperature Geochemistry (3)

GO 495 Senior Research & Seminar (2)

COMPUTER SCIENCE/INFORMATION SYSTEMS (12-15 Hours)

COMPUTER SCIENCE:

CS 155 Computer Science I (4)

CS 265 Computer Science II (4)

7 Hours CS prefix courses including 6 at the 300/400 level

INFORMATION SYSTEMS:

IS 130 Visual Basic (3)

IS 275 Information Systems II (3)

6 Hours CS or IS prefix courses at the 300/400 level

SOIL SCIENCE (15 Hours)

AO 427 Soil Fertility & Plant Nutrition (3)

GO 400 Geomorphology (3)

GO 555 Soil Classification & Resource Management (3)

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)

HEALTH MANAGEMENT

61-72 Hour Major - No Minor Required

(See Admission to Health Management: Athletic Training Program criteria under Admissions, page 18.)

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)*

*Required for Athletic Training Option only

HISTORIC PRESERVATION
48 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)
US 105	American History I (3)
US 107	American History II (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 (3)
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 6 Hours From:

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

Choose 3 Hours From:

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

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)

ADDITIONAL INTERDISCIPLINARY REQUIREMENTS

Choose 9 Hours From:

AD 101	Intro to Microcomputer Appl (3)
BL 255	Legal Environment of Business (3)
BS 105	Environmental Biology (3)
GO 445	Geog Information Systems (3)
HI 104	Housing & Interior Design (3)
MK 301	Principles of Marketing (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)
TH 395	Period & Style (3)
UI 351	Public Opinion (3)
UI 371	Government & Business (3)

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UI 400 Business & Ethics (3)
 UI 425 Persuasion (3)

Choose 6 Hours From:

AH 511 American Art (3)
 HI 532 History of Furniture II (3)
 UI 312 Perspectives on the Present (3)
 UI 313 African-American Experience (3)
 UI 337 Issues in Modern 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 418 European Mind (3)
 UI 446 Civil Rights Movement (3)
 UI 503 Alexander the Great (3)

Choose 3 Hours From:

AN 321 Midwestern Archaeology (3)
 AN 381 North American Archaeology (3)
 AN 382 Archaeology: Method & Theory (3)
 AN 550 Historical Archaeology (3)
 GO 340 Remote Sensing (3)
 HP 552 Historic Preservation Field School (3)
 UI 373 Historical Geology (3)

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)
 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)

**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 Dvlp- mnt (3)
CF 509	Child Life Services (3)
CF 530	Research & Issues in Child Dvlp- mnt (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 Communi- cation (3)
SO 102	Society, Culture & Social Behav- ior (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)
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)

**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

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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)

ELECTRONICS & COMPUTER TECHNOLOGY (39 Hours)

ET 162	DC Principles & Circuits (3)
ET 164	AC Principles & Circuits (3)
ET 194	Intro to PLC's (3)
ET 260	Electronic Circuits Design & Analysis I (3)
ET 264	Industrial Electronics (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

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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>. Students must complete the contract prior to the junior year. A cumulative GPA of 2.5 is required for graduation.

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 & MC 496 which are credit/no credit courses.)

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 496	Practicum in Mass Comm (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 316	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.

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 482	Special Problems (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 366	TV Directing (3)
MC 458	Advanced Video Production (3)
MC 467	Television Systems (3)

Choose a minor in: Art, Communication Studies, 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 & Statistics 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)
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Choose 3 Hours From:

MA 445	Modern Algebra (3)
MA 523	Probability & Statistics 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 423	Statistical Analysis for Forensic Science (3)

MA 464	Mathematical Cryptography (3)
MA 523	Probability & Statistics I (3)
MA 524	Probability & Statistics 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 & Analysis of Variance (3)
UI 388	Mathematical Modeling (3)
CH 311	Physical Chemistry I (4)
CH 312	Physical Chemistry II (3)
CS 345	Discrete Structures II (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 & Statistics 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)

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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 340	Electronic Circuits I (4)
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 477	Physics Seminar (1)
PH 478	Undergraduate Research (1)
PH 479	Undergraduate Research (2)
PH 570	Mathematical Physics (3)

Choose 7 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)

POLITICAL SCIENCE

36 Hour Major - Minor Required

Required Courses:

PS 001	Senior Assessment (0)
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)

Select 3 Hours from Each of the Five Categories, plus 6 Additional Hours From One Category (9 Hours of PS courses must be 300-500 level)

American Government & Politics

PS 230	American Public Policy (3)
PS 310	Govt & Politics in American States (3)
PS 335	American Foreign Policy (3)
PS 360	Political Parties & Voting Behavior (3)
PS 365	Legislative Process (3)
PS 387-389	Independent Study in Poli Sci (1-3)
PS 390	American Judicial System (3)
PS 418	Public Policy Analysis (3)
PS 490	Constitutional Law (3)
UI 320	Modern Presidency (3)

Comparative Government & Politics

PS 355	Third World Politics (3)
PS 387-389	Independent Study in Poli Sci (1-3)
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 in Poli Sci (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 in Poli Sci (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 425 Administrative Law & Procedure (3)

Political Theory

- PS 387-389 Independent Study in Poli Sci (1-3)
- 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 Additional Hours PS Electives

Additional Requirements: 11 Hours

- AD 101 Intro to Microcomp Appl (3)

Choose 3 Hours of Statistics

- 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)

Additional Math Requirement:

- MA xxx 5 Hours MA 123 or above (except MA 230, 318, 418)

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)

Developmental Psychology

- 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)

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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)

PY 359 Psychology & the Law (3)

PY 450 Organizations as Open Systems (3)

PY 495 Internship in Psychology (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)
RC 324	Independent Study/Therapeutic Rec (3)
RC 345	Youth Development Through Leisure (3)
RC 360	Therapeutic & Adapted Rec Svcs (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)

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 19. 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)
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.)

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)

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SM 540	Legal Aspects of Sport & Physical Activity (3)
SM 570	Mgmt & 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 17. The areas from which majors must be chosen are:

Accounting
Administrative Systems Management
Economics

Options:
Business Economics
Financial Economics

Finance
International Business
Management

Options:
Human Resource Management
Operations Management
Organizational Leadership

Management Information Systems
Marketing

Options:
Integrated Marketing Communications
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)
MI 375	Management Information Systems (3)
MK 301	Principles of Marketing (3)
QM 352	Quantitative Methods in Business (3)
QM 358	Production/Operations Management (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)
AC 545	Advanced Income Tax Accounting (3)
AC 548	Not-For-Profit Accounting (3)
BL 455	Contracts (3)
FI 363	Small Business Finance (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 Account-

tancy. 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 and BL 563 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)
AD 337	Admin Systems Mgmt Internship (3)
IS 130	Visual Basic Programming I (3)
MG 356	Human Resources Management I (3)
UI 301	Managerial Communication Processes (3)

ECONOMICS

25 Hour Major - No Minor Required

Choose One Option:

BUSINESS ECONOMICS

EC 360	Managerial Economics (3)
EC 410	Macroeconomic Theory (3)

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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)

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 473 Internship in Finance (3)
FI 475 Futures Seminar (3)
FI 491-493 Independent Study in Finance (1-3)
FI 568 Portfolio Seminar (3)

AC/EC 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 380 International Organizations (3)

PS 460 Govt & Politics of Western Europe(3)
 PS 570 Comparataive 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)
 MI 410 Bus Database Systems (3)
 MI 420 Telecommunications Mgmt (3)
 MI 440 Web Design for Electronic Commerce (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 (4)
OR
 IS 330 Visual Basic Prgmng II (3)

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MI 430	Knowl-bsd Dec Sprt Syst for Mgmt (3)
MI 439	Electronic Commerce (3)
MI 440	Web Design for Electronic Commerce (3)
MI 575	Information Technology Mgmt (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)
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)

Bachelor of Science in Education Degree

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 xx. 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	The Child: Devel/Conception to 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)

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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

CD 499	Portfolio Review (0)
CE 433	Student Tchng Early Childhood (1st) (6)
CE 434	Student Tchng 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: 36 Hours (Some courses may fulfill University Studies requirements)

BS 218	Biological Science: A Process Apprch (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	Language & Literature
Early Childhood	Mathematics
Exceptional Child(BD)	Music
Exceptional Child(CC)	Physical Education
Exceptional Child(LD)	Science
Exceptional Child(MH)	Social Studies
Foreign Languages	TESOL

Professional Education Requirements: 42-44 Hours

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BLOCK I: 6 Hours

PY/CF 120	The Child: Devel/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)

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

EL 499	Portfolio Review (0)
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: 39 Hours

(These courses may also meet University Studies requirements)

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)

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

- EX 499 Portfolio Review (0)
- 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: 36 Hours

(These courses may also meet University Studies requirements)

- BS 218 Biological Science: A Process Apprch (3)
- EC xxx Economics course (3)

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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)

MIDDLE AND SECONDARY EDUCATION

Majors must be chosen from the following for secondary level education:

Art Education	Middle School Education
Biology Education	Physical Education
Business Education	Physics Education
Chemistry Education	Social Studies Education
English Education	Spanish Education
French Education	Speech & Theatre Education
German Education	Unified Science: Biology
Industrial Education	Unified Science: Chemistry
Mathematics Education	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: 1 Hours

SE 222	Secondary Block I Experience (1)
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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: 9-12 Hours

EX 390	Psychology & Educ of Except Child (3)
SE 300	Technology to Enhance Learning (2)
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: 12-18 Hours

At the time of printing, the following requirements are under review and subject to change. When determined, specific information will be available online at <http://www5.semo.edu/middleandsec/>

EN 100	English Composition I (3)
EN 140	Rhetoric & Critical Thinking (3)
MA 118	Mathematics I (3)*
MA 318	Mathematics II (3)*
PY 222	Development of the Adolescent (3)

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SC 105 Fundamentals of Oral Communication (3)

BS xxx, BI xxx,
BO xxx, or ZO
xxx

* Middle School Education requirement only.

** 6 hours of SE required for Middle School, if the student chooses two areas of specialization or an area of specialization 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)

51-61 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)
BO 200 Plant Biology (3)
MA 133 Plane Trigonometry (2)
MA 134 College Algebra (3)
UI 422 Philosophy of Science (3)

Choose One Option:

BIOLOGY EDUCATION OPTION:

BI 381 Genetics (3)
BS 105 Environmental Biology (3)
OR
BI 332 General Ecology (3)
BS 113 Anatomy & Physiology I (3)
AND
BS 114 Anatomy & Physiology II (3)
OR
6 hours Biology electives
PH 106 Physical Concepts (3)
OR
PH 120 Intro Physics I (5)
AND
PH 121 Intro Physics II (5)
CH 181 Basic Prin of Chemistry (5)
OR
CH 185 General Chemistry I (5)
AND
CH 186 General Chemistry II (3)

Choose one of the following:

GO 110 Physical Geology (3)
GO 220 Meteorology (3)
GO 320 Oceanography (3)
UI 318 Earth Science: Proc Approach (3)

UNIFIED SCIENCE OPTION:

BI/BO/ZO 3xx or higher (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)
GO 110 Physical Geology (3)

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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)

BUSINESS EDUCATION 42 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)
AD 353	Admin Systems Management (3)
BL 255	Legal Environment of Business (3)
EC 215	Principles of Microeconomics (3)
MG 252	Business Communication (3)
MG 301	Management & Organiz Behav (3)
MK 301	Principles of Marketing (3)

CHEMISTRY EDUCATION (Unified Science Certification) 58-74 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 310	Intro to Physical Chemistry (5)
CH 341	Organic Chemistry I (4)
CH 342	Organic Chemistry Lab I (1)
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)
UI 443	Professional Exp in Chemistry (3)

Choose 3 Hours From:

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

Additional Requirements: 6 Hours

MA 134	College Algebra (3)
MA 139	Applied Calculus (3)

Choose one option:

CHEMISTRY EDUCATION OPTION:

Choose one of the following:

GO 110	Physical Geology (3)
GO 220	Meteorology (3)
GO 320	Oceanography (3)
UI 318	Earth Science: Process Approach (3)

Choose one of the following:

BI 332	General Ecology (3)
BS 105	Environmental Biology (3)
CH 350/EV 350	Environmental Chem (3)
GO 150	Earth Science: Environ Hazards (3)
GO 305	Environmental Geoscience (3)
UI 360	Recycling & Waste Management (3)
UI 372	Earthquakes & Society (3)

UNIFIED SCIENCE OPTION:

BO 200	Plant Biology (3)
CH 350/EV 350	Environmental Chem (3)
GO 110	Physical Geology (3)
GO 220	Meteorology (3)
GO 320	Oceanography (3)
MA 133	Plane Trigonometry (2)
ZO 200	Animal Biology (3)

ENGLISH EDUCATION 36 Hour Major - No Minor Required

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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)
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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 311	Survey of French Literature II (3)
FR 410	Intro to the French Novel (3)
FR 415	17th 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)

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)
EH 366	Age of French Rev & Napoleon (3)
EH 370	Europe in the 20th Century (3)
EH 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)

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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 390 European Prehistory (3)
GG 170 European Peoples & Civilization (3)
UI 375 European Film (3)
WH 103 European Civilization (3)
EH 370 Europe in the 20th Century (3)
EH 516 History of Modern Germany (3)
EH 527 Intellectual History of Europe (3)

INDUSTRIAL EDUCATION

45 Hour Major - No Minor Required

Required Courses:

ET 162 DC Principles & Circuits (3)
ET 164 AC Principles & Circuits (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)
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)

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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 (30-33 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.)

Required Courses:

BS 113	Anatomy & Physiology I (3)
HL 231	Fitness Conditioning (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 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 240	Rhythm, Plays & Games (2)
PE 270	Teaching PE to Middle School Learner (3)
PE 305	Motor Devel, Learning & Behavior (3)
PE 310	Tests & Measrmnts in Phys Act/Sport (3)
PE 341	Physiology of Conditioning (3)
PE 408	Phys Educ for Individuals with Disabilities (3)
PE 464	Kinesiology (3)

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 130	Ballroom Dance (1)
DA 145	Line Dance (1)

PHYSICS EDUCATION

(Unified Science Certification)

57-73 Hour Major - No Minor Required

Required Courses:

EP 100	Physic & Engr Concepts (1)
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 360	Modern Physics (3)
PH 370	Mechanics (3)
PH 371	Electromagnetics (3)
UI 422	Scientific Reasoning (3)

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OR

UI 364 Experimental Knowledge (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)

Choose one option:

PHYSICS EDUCATION OPTION:

CH 181 Introductory Chemistry I (5)

OR

CH 185 General Chemistry I (5)

AND

CH 186 General Chemistry II (3)

Choose 3 Hours From:

BS 108 Biology for Living (3)
BS 218 Bio Science: A Process Approach (3)
BO 200 Plant Biology (3)
ZO 200 Animal Biology (3)

Choose 3 Hours From:

GO 110 Physical Geology (3)
GO 220 Meteorology (3)
GO 320 Oceanography (3)
UI 318 Earth Sci: A Process Approach (3)

UNIFIED SCIENCE OPTION:

CH 185 General Chemistry I (5)
CH 186 General Chemistry II (3)
BO 200 Plant Biology (3)
GO 110 Physical Geology (3)
GO 220 Meteorology (3)
GO 320 Oceanography (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)

SOCIAL STUDIES

56 Hour Major - No Minor Required

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)
UI 401 American Cultural Landscapes (3)
US 105 American History I (3)
US 107 American History II (3)
WH 101 Early European Civ (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)

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

Choose 3 Hours From:

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)

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)

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 360 Ancient Civ of Meso-America (3)
GH 125 Islamic Civilization (3)
GH 130 Latin American Civilization (3)
UI 375 European Film (3)
EH 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 & THEATRE EDUCATION

35 Hour Major - No Minor Required

Required Courses:

SC 155 Fund of Interpers Communication (3)
SC 160 Intercollegiate Debate (2)
OR
SC 161 Intercollegiate Debate (2)
SC 200 Advanced Public Speaking (3)
SC 305 Theories of Communication (3)
SC 314 Argumentation & Problem Solving (3)
TH 105 Rehearsal & Production (1)
TH 155 Makeup (3)
TH 231 Stagecraft I (3)
TH 305 Rehearsal & Production (2)
TH 316 Acting II (3)
TH 351 Costume Design I (3)
TH 385 Directing I (3)
UI 425 Persuasion (3)

*Bachelor of Science in
Family and Consumer
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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	Investigations in 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)

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 443	Choral Literature (2)
ME 473	Tech of Teaching Choral Lit (2)
MP 1xx	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:

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)

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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 areas of performance.

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:

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)

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) 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 XX. 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

59 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 183	Phys Aspects of Well Client (3)
NS 184	Emotional/Spiritual Aspects Well Client (3)
NS 2xx	Pharmacology (2)
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)

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)
FN 235	Nutrition for Health (3)
NS 232	Altrd Hlth & Pharm Mgt I (3)
NS 234	Altrd Hlth & Pharm Mgt II (3)
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)
NS 390	Framework for Professional Nursing (4)
NS 480	Professional Practice: Leadership & Management (6)
NS 483	Professional Practice: Care of the Frail Elderly (2)

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.

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	6 Hours

Required Courses:

CF 102	Personal & Family Relations (2)
CF 120	The Child: Dev/Concept to Adolsc (3)
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)
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 Principles & Circuits (3)
ET 164	AC Principles & Circuits (3)
ET 194	Intro to PLC's (3)
ET 260	Electronic Circ Design/Analysis I (3)
ET 264	Industrial Electronics (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 pre-engineering advisor in the Department of Physics and Engineering Physics should be consulted for details regarding the pre-engineering 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 reference, 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 declaring pre-physical therapy. 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 Missouri-Columbia). Students planning to apply to such programs do not need to declare a major at Southeast but should declare pre-physical therapy.

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 pre-physical 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 coursework (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), phys-

ics, 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.

