

University of Missouri-St. Louis



Transfer Guide

in cooperation
with

East Central College

USING THE TRANSFER GUIDE

The East Central College/University of Missouri-St. Louis transfer guide is intended to facilitate a smooth transfer for those students working toward an Associate's degree at East Central College who plan to complete a Bachelor's degree at the University of Missouri-St. Louis. This transfer guide was developed based upon requirements in effect at the time of publication. These guidelines are subject to change without notice; therefore, students should contact their East Central College Advisor and UM-St. Louis Transfer Coordinator each semester.

POINTS TO REMEMBER

Students transferring with an Associate of Arts or Associate of Applied Science degree may transfer a total of 64 semester hours to UM-St. Louis; students who transfer to the University without the Associate degree may transfer only 60 semester hours.

Students transferring to UM-St. Louis without an Associate of Arts or Associate of Applied Science degree may have additional courses required before continuing their major course of study at the University level.

No guide or catalog should be used without additional guidance from an East Central College Academic Advisor or UM-St. Louis Transfer Coordinator; students should contact these individuals each semester to determine their course requirements.

Some courses listed may have prerequisites.

Courses listed do not necessarily need to be completed in the order presented, but all courses shown should be completed.

For a list of courses by division (Humanities, Social Sciences, etc.), please refer to the General Education Course Listing in this guide. Also listed are courses that satisfy the Cultural Diversity and State requirements.

The faculty and staff of East Central College and the University of Missouri-St. Louis are committed to helping you achieve your academic goals. Please contact the appropriate East Central College Academic Advising staff and/or the UM-St. Louis Transfer Coordinator for additional information. You may contact the UM-St. Louis Admissions Office at 516-5451 or toll-free at 1-888-GO-2-UMSL (462-8675) in Missouri and the Illinois 618 area code.

The following is general information of interest and importance to students transferring to UM-St. Louis. Additional material regarding each area will be available from the UM-St. Louis Transfer Coordinator in the East Central College Advising Office.

General Undergraduate Admission Requirements

The grade point average (GPA) necessary for a transfer student's admission is 2.0 or above on a 4.0 scale. A student with less than 24 semester hours must meet the Freshman Admission requirements; one with more than 24 semester hours must meet the Transfer Admission requirements.

Barnes College of Nursing

Four-year B.S.N.: Freshmen or transfer students with fewer than 24 transferable hours must have a minimum GPA of 2.5/4.0, an ACT of 21 or greater, and have graduated in the upper one-third of their high school class. Students with more than 24 transferable hours must have a minimum GPA of 2.5/4.0.

B.S.N. Completion Program: Students must have: An Associate's Degree or diploma; a minimum GPA of 2.5/4.0 on all transferable college work attempted; at least 30 hours of transferable, non-nursing coursework; and be eligible for licensure in Missouri.

Evening College

Candidates for the Bachelor of General Studies degree (B.G.S.) must be admitted to the Evening College and their application to the program must be approved by the General Studies Committee and the Evening College Dean. The criteria for admission to the program are: Students must be mature, be in good academic standing and have reasonable programs of study. Students must have a broad education and must have demonstrated the equivalent of academic proficiency required for any other undergraduate degree at UM-St. Louis. Study programs should be structured to meet students' unique educational goals and should not be readily available under any other UM-St. Louis degree program. The B.G.S. degree will better qualify the recipient to deal with life goals than some other degree.

The Bachelor of Health Science degree program (B.H.S.) is designed to prepare graduates in the selected health related professions of clinical laboratory science and cytotechnology. The programs require three years of preclinical coursework followed by a 12-month clinical program at Jewish Hospital College of Nursing and Allied Health.

School of Business Administration

Students must have a minimum 2.0/4.0 GPA for all college-level work attempted. Normally, the following lower division courses (UM-St. Louis designation) are included within the first 60 hours: Computers and Information Systems; Fundamentals of Financial Accounting; Managerial Accounting; Legal Environments of Business; Principles of Microeconomics; and Principles of Macroeconomics.

School of Education

Students who wish to become teachers must be aware of two additional types of admission requirements. One is admission to the School of Education; the other applies to admission to the Teacher Education Program.

School of Education: Students may apply after completing two years of college work. Eligibility is based upon: satisfactory completion of 60 semester hours with a GPA of at least 2.0/4.0; no more than 9 hours of general education requirement unfulfilled.

Teacher Education Program: Eligibility is based upon: score of 20 or above on ACT (18 on ACT before 10/89) or 800 (combined) on SAT; cumulative GPA of 2.5/4.0 (transfer and UM-St. Louis); completion of Introduction to Classroom Teaching or equivalent with C grade or better; completion of The School in Contemporary Society or equivalent with C grade or better; satisfactory score on all areas of College Base test.

Additionally, grades of C or better are required in all professional education courses. Completion of 90 credit hours with a GPA of 2.5/4.0 is required before a student is eligible to student teach. In addition to general education courses, East Central College students may take a maximum of 15 credit hours from a list available from the Transfer Coordinator in the East Central College Advising Office to satisfy Professional Education Requirements.

UM-St. Louis\Washington University Joint Undergraduate Engineering Program

Admission to the engineering program is granted jointly by the University of Missouri-St. Louis and Washington University. Normally, admission is granted to persons who have completed the pre-engineering program with a minimum GPA of 2.75/4.0 over all mathematics, chemistry, physics, and introductory engineering courses (statics, dynamics).

The program now offers a bachelor of science degree in Civil, Mechanical, and Electrical Engineering, as well as a minor in Environmental Engineering Science. Students who enter the program will take about one-half of the coursework required for their engineering degrees -- mathematics, physics, chemistry, humanities, social sciences, and some elementary engineering subjects -- on the East Central College campus. The remaining half of the degree program, consisting of 63 - 69 semester hours in upper-level engineering courses and laboratories, is offered in the evening on the campus of Washington University and taught by Washington University engineering faculty.

TRANSFER ADMISSION REQUIREMENTS

All students transferring to UM-St. Louis must:

X have a minimum grade point average of 2.0 based on a 4.0 scale.

X submit an undergraduate application for admission.

X have official transcripts sent from all colleges and universities previously attended.

Students who have completed fewer than 24 semester hours of college-level work must also submit a high school transcript and standardized test score results from either ACT or SAT.

Transfers with Associate Degree

Students with an associate degree applicable to a baccalaureate degree from an accredited associate-degree institution are accepted in junior standing. Students who have fulfilled the general education requirements outlined by the Missouri Coordinating Board of Higher Education and certified by the sending institution will meet the lower division general education requirements.

Transfers without Associate Degree

Transfer applicants who do not have an associate degree will have their transcripts evaluated on a course-by-course basis. Students who have fulfilled the general education requirements outlined by the Missouri Coordinating Board of Higher Education and certified by the sending institution will meet the lower division general education requirements.

All required documents should be sent to:

Office of Admissions
University of Missouri - St. Louis
8001 Natural Bridge Road
St. Louis, Missouri 63121-4499

For additional information, please call (314) 516-5451 or toll free 1-888-GO-2-UMSL.

You can visit our web site at:

<http://www.umsl.edu/admission/admission.html>

FINANCIAL AID

Financial assistance at UM-St. Louis is available in the form of grants, work-study (part-time employment), scholarships, or a combination of these.

Federal financial aid programs require that an applicant be a U.S. citizen or permanent resident; be enrolled as a regular student in an eligible degree or certificate program; prove financial need as defined by current federal regulations; and maintain satisfactory academic progress.

Federal financial aid awards are based upon financial need, which will be determined after submission of a Free Application for Federal Student Aid (FAFSA). Financial aid is awarded on an academic-year basis (Fall, Winter, and Summer semesters); therefore, a student must apply for aid each year.

For additional information regarding financial aid or scholarships, please call (314) 516-5526 or write:

Director of Financial Aid
University of Missouri - St. Louis
8001 Natural Bridge Road
St. Louis, Missouri 63121-4499

You can visit our web site at:

<http://www.umsl.edu/services.finaid/>

REGISTRATION

Students at UM-St. Louis may register in the registration office, advising units, student computer labs, by internet, and by touch-tone telephone. Students are encouraged to register at the earliest possible date to avoid closed courses. All first-time UM-St. Louis students are required to meet with an academic advisor before registration.

For further information regarding registration, please call (314) 516-5545.

RESIDENTIAL LIFE

Living on campus adds a rich dimension to college life. It's a great way to make friends, become independent, and get involved in campus activities. Residence halls or condominiums or apartments, UM-St. Louis has an option that fits your lifestyle.

Residence Halls

Students of diverse interests and backgrounds enjoy a real sense of community and camaraderie in UM-St. Louis residence halls.

Key features include:

∇ Fully furnished, air-conditioned rooms ∇ Separate floors for men and women ∇ Computer network hookups ∇ Swimming pool ∇ Lounges, kitchenettes, laundry rooms, and study rooms ∇ Declining balance food plan ∇ On-site staff ∇ Accessibility for students with disabilities ∇ Free campus shuttle

Condominiums

On a private, wooded estate site conveniently located off Florissant road, the University-owned one and two bedroom garden condominiums feature √ spacious rooms √ all-electric kitchens √ electric heat √ dishwashers √ carpeting √ continuously clean ovens √ generous closets √ swimming pool √ sun deck √ picnic area with tables and grills √ on-site management.

For more information, please call or write:

Office of Residential Life
University of Missouri - St. Louis
8001 Natural Bridge Road
St. Louis, Missouri 63121-4499
(314) 516-6877 (Telephone)
(314) 516-6878 (Fax)

You can visit our web site at:

<http://www.umsl.edu/services/reslife/reslife.html>

Student Apartments

A new era in comfort, convenience, and flexibility is available to University of Missouri-St. Louis students at the University Meadows apartments.

University Meadows offers:

√ Choice of four different floor plans √ Computer network hookup √ Swimming pool/jacuzzi √ Club house with large screen TV √ BBQ pavilion
√ Accessibility for students with disabilities
√ On-site management

For your convenience, payment plans offer monthly or semester payment schedules.

For a tour of University Meadows or for more information, please call or write:

University Meadows Apartments
2901 University Meadows Drive
St. Louis, Missouri 63121-4499
(314) 516-7500 (Telephone)
(314) 516-7502 (Fax)

OUTREACH PROGRAM

Lindbergh High School
4900 South Lindbergh Blvd.
South St. Louis County

UM-St. Louis School of Education graduate credit courses in Teacher and Counseling Preparation are offered through Continuing Education & Outreach at

Lindbergh High School in South St. Louis County. For more information on Continuing Education courses, call (314) 516-5961, or check out our Web page:

<http://www.umsl.edu/~conted/>

Fox Senior High School
745 Jeffco Blvd., Arnold
Jefferson County

For the convenience of residents of Jefferson, Franklin, and St. Louis counties, UM-St. Louis offers junior-level credit courses at Fox Senior High School in Arnold. Programs are fully accredited, and classes are offered in Business Administration, Communication, Criminology and Criminal Justice, Education, English, Nursing, Philosophy, and Social Work.

For more information, call (314) 936-UMSL (8675), or visit our home page:

<http://www.umsl.edu/~conted/jeffers.htm>

PIERRE LACLEDE HONORS COLLEGE

If you're looking for the academic excellence and personal attention of a select liberal arts college plus the advantages of a major research university, the Pierre Laclède Honors College offers you the best of both worlds.

At the Pierre Laclède Honors College, the accent is on you with a closeknit learning environment and accelerated curriculum that lets you live up to your potential. Seminars range from 5-15 students. Coursework is challenging, rewarding, and writing intensive to refine your analytical and critical skills.

The Honors College, one of the fastest growing honors programs in the U.S., is the only one with its own campus and residence hall. Enrollment is limited to 300 students. Admission is competitive and includes a personal interview. All Honors College students are eligible for generous merit scholarships.

Honors College students are actively involved in campus life and enjoy all the resources and service of UM-St. Louis.

You can visit our web site at:

<http://www.umsl.edu/divisions/honors/honors.html>

UNIVERSITY BULLETIN

The University Bulletin describes degree programs offered and lists course descriptions. To purchase a bulletin, please contact the University Bookstore at 314-516-5766.

GENERAL EDUCATION COURSE LISTING

LISTED BELOW ARE EAST CENTRAL COLLEGE COURSES THAT WILL FULFILL UM-ST. LOUIS GENERAL EDUCATION AND APPROVED ELECTIVE REQUIREMENTS:

STUDENT DEVELOPMENT

ED 001/ED1001 Orientation

ENGLISH SKILLS

EN 1223 English Composition I *or*
EN 1233 English Composition I (Honors)
EN 1333 English Composition II *or*
EN 1343 English Composition II (Honors)
CT 1003 Oral Communications

MATHEMATICS

MT 1323 College Mathematics
MT 1403 College Algebra
or any higher level course

HUMANITIES

AR 1203 Art Appreciation I
AR 1213 Art Appreciation II
AR 1223 Art Appreciation III
AR 2703 Art History I
AR 1713 Art History II
CT 1203 Oral Interpretation
CT 1303 Theatre Appreciation
CT 1703 Introduction to Mass Comm
EN 1503 Poetry
EN 1603 Fiction
EN 1703 Drama
EN 1803 Art of the Novel
EN 1903 Classical Mythology
EN 2103 English Literature I
EN 2113 English Literature II
EN 2203 American Literature I
EN 2213 American Literature II
EN 2403 Literature of Fantasy
EN 2503 Literature of Science Fiction
EN 2603 Shakespeare/Stage
FR 1104 French I

HI 2203 World Civilization II
HI 2303 World Civilization III
HI 2403 World Civilization IV
HI 2503 World Civilization V
HI 2603 World Civilization VI
HI 2613 East Asian Civilization To 1800
HI 2623 East Asian Civilization Since 1800
MU 1603 Music Appreciation
MU 1623 Music Appreciation (Honors)
MU 1803 Music Literature
PR 1003 Introduction to Philosophy
PR 1103 Introduction to Logic
PR 1203 History Modern Philosophy
PR 1303 Living World Religions
PR 2103 Cont Ethical Problems
PR 2403 Biblical Literature I
PR 2503 Biblical Literature II
PR 2603 Biblical Literature III
SP 1104 Spanish I
SP/EN 2023 Mexican American Lit

GR 1104 German I
HI 2103 World Civilization I

CULTURAL DIVERSITY

HI 2403 World Civ IV Africa/Asia
HI 2303 World Civ III: Latin American
HI 2603 Japan: Civilization VI World

HI 2613 China: Japan to 1800
HI 2623 China: Japan since 1800
PR 1303 Living World Religions

BIOLOGICAL & PHYSICAL SCIENCES

Physical Sciences

CH 1003 Intro Chemistry (applied)
CH 1103-1112 Intro Chemistry
CH 1203-1212 Chem/Hlth Science
CH 1303-1312 General Chem I
GL 1103-1112 Intro Physical Geol
GL 2703 Alpine Geology
PH 1003 Physical Science I
PH 1013 Physical Science II
PH 1032 Physical Science III
PH 1103-1112 Introduction Physics
PH 1703-1712 College Physics I
PH 2103-2112 General Physics I

Biological Sciences

BI 1103 Ecology Wildlife/Man
BI 1203 Introduction Life Science
BI 1303-1312 General Biology
BI 1403-1411 General Invert Zoo
BI 2503-2512 General Ecology
BI 2903 Alpine Ecology
BI 1313 – 1322: Introduction to Botany

SOCIAL/BEHAV. SCIENCES

AN 1003 Intro to Cult Anthropology
AN 1103 Intro Phy Anthropology/Arch
AN 2703 Field Archaeology
EC 2103 Macroeconomics
EC 2203 Microeconomics
GE 1003 World Geography
*HI 1103 U.S. History to 1877
*HI 1203 U.S. History since 1877
HI 1403 Mo/Miss Valley History
HI 2903 World Since 1945

PS 1103 Introduction Political Science
*PS 1203 U.S. Government I
PS 2103 International Relations
*PS 2203 Intro Public Administration
PY 1103 General Psychology
SO 1103 General Sociology
SO 1203 American Social Problems
SO 2103 Human Relations
SO 2203 Marriage/Family

*Courses that fulfill the 3-hour U.S. and Missouri Constitution requirement

PHYSICAL EDUCATION

Any two DIFFERENT one-hour PE activity courses or PE 1002 Fitness for Life

UNIVERSITY OF MISSOURI-ST. LOUIS
AND
EAST CENTRAL COLLEGE

ASSOCIATE OF ARTS LEADING TO BACHELOR OF ARTS IN

ANTHROPOLOGY

FIRST SEMESTER

ECC

ED 0001/1001 Orientation (1)
EN1223/1233 Eng Comp I (3)
Humanities (3)
CT 1003/1103 Speech (3)
MT 1403 Coll Algebra (3) **OR**
MT 1323 Coll Math (3)
Foreign Language I (4)

Hours: (17)

SECOND SEMESTER

ECC

EN 1333/1343 Eng Comp II (3)
AN 1103 Phy Anth & Arch (3)
Science (3)
PY 1103 Gen Psych (3)
Foreign Language II (4)

Hours: (16)

SUMMER SESSION

ECC

AN 2703 Field Archaeology (3)

THIRD SEMESTER

ECC

Cultural Diversity (3)
State Requirement (3)
AN 1003 Intro Cult Anthro (3)
Foreign Language III (4)
Approved Elective (3)

Hours: (16)

FOURTH SEMESTER

ECC

Science w/lab (4-5)
Humanities (3)
SO 1103 General Sociol (3)
Physical Education (2)

Hours: (12-13)

Total hours transferable with A.A.: 64; without A.A.: 60

For A.A. degree, science course selection must include one Biological and one Physical Science.

See this publication's listing of transferable Humanities, Social Science, and Cultural Diversity courses.

For additional information, contact the UM-St. Louis Anthropology Department, 507 Clark Hall, 516-6020.

Please seek advisement from your ECC Academic Advisor for assurance of completion of the Associate Degree.

NOTE: IT IS IMPORTANT TO CONTACT THE UM-ST. LOUIS TRANSFER COORDINATOR EACH SEMESTER

Rev. 12/01

UNIVERSITY OF MISSOURI-ST. LOUIS
AND
EAST CENTRAL COLLEGE

ASSOCIATE OF ARTS LEADING TO BACHELOR OF ARTS IN

APPLIED MATHEMATICS

FIRST SEMESTER

ECC

ED1001/0001 Orientation (1)
EN 1223/1233 Eng Comp I (3)
CT 1003/1103 Speech (3)
MT 1605 Ana Geom & Calc I (5)
CH 1303 **and** 1312 Gen Chem I (5)

Hours: (17)

SECOND SEMESTER

ECC

MT 2105 Ana Geom & Calc II (5)
EN 1333/1343 Eng Comp II (3)
Social Science (3)
Humanities (3)
Approved Elective (3)

Hours: (17)

THIRD SEMESTER

ECC

MT 2205 Ana Geom&Calc III (5)
Cultural Diversity (3)
State Requirement (3)
Physical Education (2)
CH 1403 **and** 1412 Gen Chem II (5)

Hours: (18)

FOURTH SEMESTER

ECC

MT2303 Diff Equations (3)
Humanities (3)
Social Science (3)
CS2123 PASCAL (3)
Biology Elective (3)

Hours: (15)

Total hours transferable with A.A.: 64; without A.A.: 60

For A.A. degree, science course selection must include one Biological and one Physical Science.

See this publication's listing of transferable Humanities, Social Science, and Cultural Diversity courses.

For additional information, contact the UM-St. Louis Mathematics and Computer Science Department, 516-5741.

Please seek advisement from your ECC Academic Advisor for assurance of completion of the Associate Degree.

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UNIVERSITY OF MISSOURI- ST. LOUIS
AND
EAST CENTRAL COLLEGE

ASSOCIATE OF ARTS LEADING TO BACHELOR OF ARTS IN
ART HISTORY

FIRST SEMESTER

ECC

ED 0001/1001 Orientation (1)
EN 1223/1233 Eng Comp I (3)
CT 1103 Oral Comm (3)
AR 1303 Drawing I (3)
AR 1103 Design I (3)
Foreign Language I (4)

Hours: (17)

SECOND SEMESTER

ECC

AR 1113 Design II (3)
EN 1333/1343 Eng Comp II (3)
MT 1403 Coll Algebra (3) **OR**
MT 1323 Coll Math (3)
Foreign Language II (4)
AR1703 Art History I (3)

Hours: (16)

THIRD SEMESTER

ECC

Science (3)
Foreign Language III (4)
State Requirement (3)
Cultural Diversity (3)
Social Science (3)

Hours: (16)

FOURTH SEMESTER

ECC

Social Science (3)
Science w/lab (4-5)
Physical Education (2)
ART 1713 Art History II (3)
ART Elective (3)

Hours: (15-16)

Total hours transferable with A.A.: 64; without A.A.: 60

For A.A. degree, science course selection must include one Biological and one Physical Science.

See this publication's listing of transferable Humanities, Social Science, and Cultural Diversity courses.

For additional information, contact the UM-St. Louis Art Department, 516-5975.

Please seek advisement from your ECC Academic Advisor for assurance of completion of the Associate Degree.

NOTE: IT IS IMPORTANT TO CONTACT THE UM-ST. LOUIS TRANSFER COORDINATOR EACH SEMESTER

UNIVERSITY OF MISSOURI-ST. LOUIS
AND
EAST CENTRAL COLLEGE

ASSOCIATE OF ARTS LEADING TO BACHELOR OF ARTS IN
BIOLOGY

FIRST SEMESTER

ECC

ED 1001/0001 Orientation (1)
EN 1223/1233 Eng Comp I (3)
*MT1402 **and** 1403 Coll Alg/Trig (5)
BI 1313 **and** 1322 Botany (5)
Physical Education (2)

Hours: (16)

SUMMER

Humanities (3)
Social Science (3)

Hours: (6)

THIRD SEMESTER

ECC

CT 1103 Public Speaking (3)
CH 1403 **and** 1412 Gen Chem II (5)
PH 1703 **and** 1712 Coll Phy I (5)
HI 1103, 1203, PS 1103 **OR** PS1203 (3)

Hours: (16)

SECOND SEMESTER

ECC

CH 1303 **and** 1312 Gen Chem I (5)
EN 1333/1343 Eng Comp II (3)
MT 2013 Survey Calc (4) **OR**
MT 1605 Ana Geom & Calc I (5)
Humanities (3)

Hours: (15-16)

FOURTH SEMESTER

ECC

PH 1803 **and** 1812 Coll Phy II (5)
Humanities (3)
Social Science (3)
BI 1403 & 1412 INVERT BIO & LAB (5)

Hours: (16)

Total hours transferable with A.A.: 64; without A.A.: 60

For A.A. degree, science course selection must include one Biological and one Physical Science.

See this publication's listing of transferable Humanities, Social Science, and Cultural Diversity courses.

For additional information, contact the UM-St. Louis Biology Department, 516-6200.

Please seek advisement from your ECC Academic Advisor for assurance of completion of the Associate Degree.

*Consult your ECC Advisor for additional options

**NOTE: IT IS IMPORTANT TO CONTACT THE UM-ST. LOUIS TRANSFER COORDINATOR EACH SEMESTER
UNIVERSITY OF MISSOURI-ST. LOUIS
AND
EAST CENTRAL COLLEGE**

ASSOCIATE OF ARTS LEADING TO BACHELOR OF SCIENCE IN

BIOLOGY

FIRST SEMESTER

ECC

ED 1001/0001 Orientation (1)
EN 1223/1233 Eng Comp I (3)
*MT1402 **and** 1403 Coll Alg/Trig (5)
BI 1313 **and** 1322 Botany (5)
Physical Education (2)

Hours: (16)

SUMMER

Humanities (3)
Social Science (3)

Hours: (6)

THIRD SEMESTER

ECC

CH 1403 **and** 1412 Gen Chem II (5)
CT 1103 Public Speaking (3)
PH 1703 **and** 1712 Coll Phy I (5)
State Requirement (3)

Hours: (16)

SECOND SEMESTER

ECC

CH 1303 & 1312 Gen Chem I (5)
EN 1333/1343 Eng Comp II (3)
Humanities (3)
MT 2013 Survey Calc (4) **OR**
MT 1605 Ana Geom & Calc I (5)

Hours: (15-16)

FOURTH SEMESTER

ECC

Humanities (3)
Social Science (3)
PH 1803 **and** 1812 Coll Phy II (5)
BI 1403 & 1412 INVERT BIO 2 LAB (5)

Hours: (17)

Total hours transferable with A.A.: 64; without A.A.: 60

For A.A. degree, science course selection must include one Biological and one Physical Science.

See this publication's listing of transferable Humanities, Social Science, and Cultural Diversity courses.

For additional information, contact the UM-St. Louis Biology Department, 516-6200.

*Consult your ECC Advisor for additional options

Please seek advisement from your ECC Academic Advisor for assurance of completion of the Associate Degree.

NOTE: IT IS IMPORTANT TO CONTACT THE UM-ST. LOUIS TRANSFER COORDINATOR EACH SEMESTER

UNIVERSITY OF MISSOURI-ST. LOUIS
AND
EAST CENTRAL COLLEGE

ASSOCIATE OF ARTS LEADING TO BACHELOR OF ARTS or SCIENCE IN

CHEMISTRY

FIRST SEMESTER

ECC

ED 0001/1001 Orientation (1)
EN 1223/1233 Eng Comp I (3)
*MT1402 **and** 1403 Coll Alg/Trig (5)
CH 1303 **and** 1312 Gen Chem I (5)
Physical Education (2)

Hours: (16)

SECOND SEMESTER

ECC

MT 1605 Ana Geom & Calc I (5)
EN 1333/1349 Eng Comp II (3)
Humanities (3)
CH 1403 **and** 1412 Gen Chem II (5)

Hours: (16)

THIRD SEMESTER

ECC

Social Science (3)
CH 2303 **and** 2312 Org Chem I (5)
MT 2105 Ana Geom & Calc II (5)
CT 1003/1103 Speech (3)

Hours: (16)

FOURTH SEMESTER

ECC

State Requirement (3)
HI 2603 Found West Civ VI (3)
CH 2403 Org Chem II (5)
Social Science (3)
Biology Elective (3)

Hours: (17)

Total hours transferable with A.A.: 64; without A.A.: 60

For A.A. degree, science course selection must include one Biological and one Physical Science.

See this publication's listing of transferable Humanities, Social Science, and Cultural Diversity courses.

For additional information, contact the UM-St. Louis Chemistry Department, 516-5311.

Please seek advisement from your ECC Academic Advisor for assurance of completion of the Associate Degree.

NOTE: IT IS IMPORTANT TO CONTACT THE UM-ST. LOUIS TRANSFER COORDINATOR EACH SEMESTER

UNIVERSITY OF MISSOURI-ST. LOUIS
AND
EAST CENTRAL COLLEGE

ASSOCIATE OF ARTS LEADING TO BACHELOR OF ARTS IN

COMMUNICATION

This A.A. is appropriate for all three UM-St. Louis Communication Degree options

FIRST SEMESTER

ECC

ED 0001/1001 Orientation (1)
EN 1223/1233 Eng Comp I (3)
CT 1103 Public Speaking (3)
MT 1403 College Algebra (3) **OR**
MT 1323 College Math (3)
Physical Education (2)
Foreign Language I (4)

Hours: (16)

SECOND SEMESTER

ECC

Science (3)
Humanities (3)
EN 1333/1343 Eng Comp II (3)
Social Science (3)
Foreign Language II (4)

Hours: (16)

THIRD SEMESTER

ECC

Approved Electives (6)
Cultural Diversity (3)
Foreign Language III (4)

Hours: (13)

FOURTH SEMESTER

ECC

Approved Elective (6)
Science w/lab (5)
State Requirement (3)
Social Science (3)

Hours: (17)

Total hours transferable with A.A.: 64; without A.A.: 60

For A.A. degree, science course selection must include one Biological and one Physical Science.

See this publication's listing of transferable Humanities, Social Science, and Cultural Diversity courses.

For additional information, contact the UM-St. Louis Communication Department, 516-5031.

Please seek advisement from your ECC Academic Advisor for assurance of completion of the Associate Degree.

NOTE: IT IS IMPORTANT TO CONTACT THE UM-ST. LOUIS TRANSFER COORDINATOR EACH SEMESTER

UNIVERSITY OF MISSOURI - ST. LOUIS
AND
EAST CENTRAL COLLEGE

ASSOCIATE OF ARTS LEADING TO BACHELOR OF SCIENCE IN
COMPUTER SCIENCE

FIRST SEMESTER

ECC

ED 0001/1001 Orientation (1)
EN 1223/1233 Eng Comp I (3)
MT 1605 Ana Geom & Calc I (5)
CH 1303 **and** 1312 Gen Chem I (5)
Physical Education (2)

Hours: (16)

SUMMER

Humanities (6) hours

THIRD SEMESTER

ECC

MT 2205 Ana Geom&Calc III (5)
CT 1003/1103 Speech (3)
EG 2003 Mechanics - Stat (3)
HI 2603 Found West Civ VI (3)
EG 2202 **and** 2211 C++ (3)

Hours: (17)

SECOND SEMESTER

ECC

MT 2105 Ana Geom & Calc II (5)
EN 1333/1343 Eng Comp II (3)
State Requirement (3)
CH 1403 **and** 1412 Gen Chem II (5)

Hours: (16)

FOURTH SEMESTER

ECC

Humanities (3)
MT 2303 Diff Equations (3)
EG 2103 Mechanics-Dynamics (3)
Biology Elective (3)
Social Science (3)
EG 2503 Data Structure (3)

Hours: (18)

Total hours transferable with A.A.: 64; without A.A.: 60

For A.A. degree, science course selection must include one Biological and one Physical Science.

See this publication's listing of transferable Humanities, Social Science, and Cultural Diversity courses.

For additional information, contact the UM-St. Louis Mathematics and Computer Science Department, 516-5741.

Please seek advisement from your ECC Academic Advisor for assurance of completion of the Associate Degree.

NOTE: IT IS IMPORTANT TO CONTACT THE UM-ST. LOUIS TRANSFER COORDINATOR EACH SEMESTER

UNIVERSITY OF MISSOURI - ST. LOUIS
AND
EAST CENTRAL COLLEGE

ASSOCIATE OF APPLIED SCIENCE LEADING TO BACHELOR OF SCIENCE IN
CRIMINOLOGY AND CRIMINAL JUSTICE

FIRST SEMESTER

ECC

ED 0001/1001 Orientation (1)
EN1223/1233 Eng Comp I (3)
CT 1003/1103 Speech (3)
CJ 1023 Crim Law & Proc (3))
CJ 1013 Intro to Crim Justice (3)
MT 1403 College Algebra (3) **OR**
MT 1323 College Math (3)

Hours: (16)

SECOND SEMESTER

ECC

Social Science (3)
EN 1333/1343 Eng Comp II (3)
Science (3)
Humanities (3)
CJ 1043 Juvenile Procedures (3)

Hours: (15)

THIRD SEMESTER

ECCC

ECC

State Requirement (3)
Cultural Diversity (3)
Natural Science (3)
Humanities (3)
CJ 2013 Intro to Corrections (3)
Elective (3)

Hours: (18)

FOURTH SEMESTER

Social Science (3)
Electives (7)
CJ 2701 to 2705 Ind Study-CJ (3)
Physical Education (2)

Hours: (15)

Total hours transferable with A.A.S.: 64; without A.A.S.: 60

See this publication's listing of transferable Humanities, Social Science, and Cultural Diversity courses.

For additional information, contact the UM-St. Louis Criminology and Criminal Justice Department, 516-5975.

Please seek advisement from your ECC Academic Advisor for assurance of completion of the Associate Degree.

NOTE: IT IS IMPORTANT TO CONTACT THE UM-ST. LOUIS TRANSFER COORDINATOR EACH SEMESTER

UNIVERSITY OF MISSOURI-ST. LOUIS
AND
EAST CENTRAL COLLEGE

ASSOCIATE OF ARTS LEADING TO BACHELOR OF ARTS IN
ECONOMICS

FIRST SEMESTER

ECC

ED 0001/1001 Orientation (1)
EN 1223/1233 Eng Comp I (3)
Humanities (3)
CT 1003/1103 Speech (3)
MT 1403 College Algebra (3)
Foreign Language I (4)

Hours: (17)

SECOND SEMESTER

ECC

EN 1333/1343 Eng Comp II (3)
Humanities (3)
Science (3)
EC 2103 Prin of Macroecon (3)
Foreign Language II (4)

Hours: (16)

THIRD SEMESTER

ECC

Cultural Diversity (3)
State Requirement (3)
EC 2203 Prin of Microecon (3)
Foreign Language III (4)
Approved Elective (3)

Hours: (16)

FOURTH SEMESTER

ECC

Science w/lab (4-5)
Approved Elective (3)
Social Science (3)
Social Science (3)
Physical Education (2)

Hours: (15-16)

Total hours transferable with A.A.: 64; without A.A.: 60

For A.A. degree, science course selection must include one Biological and one Physical Science.

See this publication's listing of transferable Humanities, Social Science, and Cultural Diversity courses.

For additional information, contact the UM-St. Louis Economics Department, 516-5351.

Please seek advisement from your ECC Academic Advisor for assurance of completion of the Associate Degree.

NOTE: IT IS IMPORTANT TO CONTACT THE UM-ST. LOUIS TRANSFER COORDINATOR EACH SEMESTER

UNIVERSITY OF MISSOURI-ST. LOUIS
AND
EAST CENTRAL COLLEGE

ASSOCIATE OF ARTS LEADING TO BACHELOR OF SCIENCE IN
ECONOMICS

FIRST SEMESTER

ECC

ED 0001/1001 Orientation (1)
EN 1223/1233 Eng Comp I (3)
Humanities (3)
CT 1003/1103 Speech (3)
*MT1402 **and** 1403 Col Alg/Trig (5)

Hours: (15)

SECOND SEMESTER

ECC

EN 1333/1343 Eng Comp II (3)
Humanities (3)
Science (3)
MT 1605 Ana Geom & Calc I (5)
Physical Education (2)

Hours: (16)

THIRD SEMESTER

ECC

Cultural Diversity (3)
State Requirement (3)
MT 2105 Ana Geom & Calc II (5)
EC 2103 Prin of Macroecon (3)
Approved Elective (3)

Hours: (17)

FOURTH SEMESTER

ECC

Science w/lab (4-5)
Social Science (6)
Approved Elective (3)
EC 2203 Prin of Microecon (3)

Hours: (16-17)

Total hours transferable with A.A.: 64; without A.A.: 60

For A.A. degree, science course selection must include one Biological and one Physical Science.

See this publication's listing of transferable Humanities, Social Science, and Cultural Diversity courses.

For additional information, contact the UM-St. Louis Economics Department, 516-5351.

Please seek advisement from your ECC Academic Advisor for assurance of completion of the Associate Degree.

*Consult your ECC Advisor for additional options.

NOTE: IT IS IMPORTANT TO CONTACT THE UM-ST. LOUIS TRANSFER COORDINATOR EACH SEMESTER

UNIVERSITY OF MISSOURI-ST. LOUIS
AND
EAST CENTRAL COLLEGE

ASSOCIATE OF ARTS LEADING TO BACHELOR OF ARTS IN
ENGLISH

FIRST SEMESTER

ECC

ED 0001/1001 Orientation (1)
EN 1223/1233 Eng Comp I (3)
CT 1003/1103 Speech (3)
MT 1403 College Algebra (3) **OR**
MT 1323 College Math (3)
Social Science (3)
Science (3)

Hours: (16)

SECOND SEMESTER

ECC

Literature Elective (3)
EN 1333/1343 Eng Comp II (3)
EN 2103 Brit Lit: Beg-1784 (3)
Foreign Language I (4)
State Requirement (3)

Hours: (16)

THIRD SEMESTER

ECC

EN 2113 Brit Lit: Rom-Pres (3)
EN 2203 American Lit I (3)
Social Science (3)
Science w/lab (4-5)
Foreign Language II (4)

Hours: (17-18)

FOURTH SEMESTER

ECC

EN 2213 Amer Lit: 1865-Pres (3)
Approved Elective (3)
Foreign Language III (4)
Cultural Diversity (3)
Physical Education (2)

Hours: (15)

Total hours transferable with A.A.: 64; without A.A.: 60

For A.A. degree, science course selection must include one Biological and one Physical Science.

See this publication's listing of transferable Humanities, Social Science, and Cultural Diversity courses.

For additional information, contact the UM-St. Louis English Department, 516-5541.

Please seek advisement from your ECC Academic Advisor for assurance of completion of the Associate Degree.

NOTE: IT IS IMPORTANT TO CONTACT THE UM-ST. LOUIS TRANSFER COORDINATOR EACH SEMESTER

UNIVERSITY OF MISSOURI-ST. LOUIS
AND
EAST CENTRAL COLLEGE

ASSOCIATE OF ARTS LEADING TO BACHELOR OF ARTS IN

FRENCH LANGUAGE AND LITERATURE

FIRST SEMESTER

ECC

ED 0001/1001 Orientation (1)
EN 1223/1233 Eng Comp I (3)
CT 1003/1103 Speech (3)
MT 1403 College Algebra (3) **OR**
MT 1323 College Math (3)
Physical Education (2)
FR 1104 Elem French I (4)

Hours: (16)

SECOND SEMESTER

ECC

HI 2303 Fnd of World Civ III (3)
EN1333/1343 Eng Comp II (3)
Science (3)
FR 1204 Elem French II (4)
Social Science (3)

Hours: (16)

THIRD SEMESTER

ECC

Humanities (3)
FR 2104 Intermediate French I (4)
Science w/lab (4-5)
Elective (3)
Social Science (3)

Hours: (17-18)

FOURTH SEMESTER

ECC

FR 2204 Intermediate French II (4)
State Requirement (3)
Approved Elective (3)
Humanities (3)
Approved Elective (1-2)

Hours: (14-15)

Total hours transferable with A.A.: 64; without A.A.: 60

For A.A. degree, science course selection must include one Biological and one Physical Science.

See this publication's listing of transferable Humanities, Social Science, and Cultural Diversity courses.

For additional information, contact the UM-St. Louis Foreign Languages and Literatures Department, 516-6240.

Please seek advisement from your ECC Academic Advisor for assurance of completion of the Associate Degree.

NOTE: IT IS IMPORTANT TO CONTACT THE UM-ST. LOUIS TRANSFER COORDINATOR EACH SEMESTER

UNIVERSITY OF MISSOURI-ST. LOUIS
AND
EAST CENTRAL COLLEGE

ASSOCIATE OF ARTS LEADING TO BACHELOR OF FINE ARTS IN
GENERAL DRAWING

FIRST SEMESTER

ECC

ED 0001/1001 Orientation (1)
EN 1223/1233 Eng Comp I (3)
AR 1103 Design I (3)
CT 1003/1103 Speech (3)
MT 1403 College Algebra (3) **OR**
MT 1323 College Math (3)
AR 1303 Drawing I (3)

Hours: (16)

SECOND SEMESTER

ECC

EN 1333/1343 Eng Comp II (3)
AR 1713 Art History I (3)
AR 1503 Figure Drawing I (3)
AR 1113 Design II (3)
AR 1313 Drawing II (3)
Physical Education (1)

Hours: (16)

THIRD SEMESTER

ECC

Cultural Diversity (3)
State Requirement (3)
Science w/lab (4-5)
AR 1513 Figure Drawing II (3)
Social Science (3)

Hours: (16-17)

FOURTH SEMESTER

ECC

Physical Education (1)
Humanities (3)
Social Science (3)
Science (3)
AR 1523 Figure Drawing III (3)
Elective (3)

Hours: (16)

Total hours transferable with A.A.: 64; without A.A.: 60

For A.A. degree, science course selection must include one Biological and one Physical Science.

See this publication's listing of transferable Humanities, Social Science, and Cultural Diversity courses.

For additional information, contact the UM-St. Louis Art Department, 516-5975.

Please seek advisement from your ECC Academic Advisor for assurance of completion of the Associate Degree.

NOTE: IT IS IMPORTANT TO CONTACT THE UM-ST. LOUIS TRANSFER COORDINATOR EACH SEMESTER

UNIVERSITY OF MISSOURI-ST. LOUIS
AND
EAST CENTRAL COLLEGE

ASSOCIATE OF ARTS LEADING TO BACHELOR OF ARTS IN

GERMAN LANGUAGE AND LITERATURE

FIRST SEMESTER

ECC

ED 0001/1001 Orientation (1)
EN 1223/1233 Eng Comp I (3)
CT 1003/1103 Speech (3)
MT 1403 College Algebra (3) **OR**
MT 1323 College Math (3)
Physical Education (2)
GR 1104 Elem German I (4)

Hours: (16)

SECOND SEMESTER

ECC

HI 2303 Fnd of World Civ III (3)
EN 1333/1343 Eng Comp II (3)
Science w/lab (4-5)
Social Science (3)
GR 1204 Elem German II (4)

Hours: (17-18)

THIRD SEMESTER

ECC

GR 2114 Interim German(4)
Science (3)
Humanities (3)
Social Science (3)
Approved Elective (3)

FOURTH SEMESTER

ECC

State Requirement (3)
Humanities (3)
Approved Elective (3)
GR 2701 Indept Study (3)
Approved Elective (3)

Hours: (16)

Hours: (15)

Total hours transferable with A.A.: 64; without A.A.: 60

For A.A. degree, science course selection must include one Biological and one Physical Science.

See this publication's listing of transferable Humanities, Social Science, and Cultural Diversity courses.

For additional information, contact the UM-St. Louis Foreign Languages and Literatures Department, 516-6240.

Please seek advisement from your ECC Academic Advisor for assurance of completion of the Associate Degree.

NOTE: IT IS IMPORTANT TO CONTACT THE UM-ST. LOUIS TRANSFER COORDINATOR EACH SEMESTER

UNIVERSITY OF MISSOURI-ST. LOUIS
AND
EAST CENTRAL COLLEGE

ASSOCIATE OF ARTS LEADING TO BACHELOR OF FINE ARTS IN
GRAPHIC DESIGN

FIRST SEMESTER

ECC

ED 0001/1001 Orientation (1)
EN 1223/1233 Eng Comp I (3)
CT 1003/1103 Speech (3)
MT 1403 College Algebra (3) **OR**
MT 1323 College Math (3)
AR 1303 Drawing I (3)
AR 1103 Design I (3)

Hours: (16)

SECOND SEMESTER

ECC

EN 1333/1343 Eng Comp II (3)
AR 1113 Design II (3)
AR 1503 Figure Drawing I (3)
AR 1313 Drawing II (3)
Social Science (3)
Physical Education (1)

Hours: (16)

THIRD SEMESTER

ECC

AR 1713 Art History I (3)
State Requirement (3)
Physical Education (1)
AR 1513 Figure Drawing II (3)
*AR 1603 Graphic Design I (3)

FOURTH SEMESTER

ECC

Cultural Diversity (3)
Humanities (3)
Social Science (3)
Science w/lab (4-5)
*AR 1613 Graphic Design II (3)

Science (3)

Hours: (16)

Hours: (16-17)

Total hours transferable with A.A.: 64; without A.A.: 60

For A.A. degree, science course selection must include one Biological and one Physical Science.

See this publication's listing of transferable Humanities, Social Science, and Cultural Diversity courses.

For additional information, contact the UM-St. Louis Art Department, 516-5975.

Please seek advisement from your ECC Academic Advisor for assurance of completion of the Associate Degree.

*Consult your ECC Advisor for additional options.

NOTE: IT IS IMPORTANT TO CONTACT THE UM-ST. LOUIS TRANSFER COORDINATOR EACH SEMESTER

UNIVERSITY OF MISSOURI-ST. LOUIS
AND
EAST CENTRAL COLLEGE

ASSOCIATE OF ARTS LEADING TO BACHELOR OF ARTS IN
HISTORY

FIRST SEMESTER

ECC

ED 1001/0001 Orientation (1)
EN 1223/1233 Eng Comp I (3)
CT 1003/1103 Speech (3)
MT 1403 College Algebra (3) **OR**
MT 1323 College Math (3)
HI 2103 Fnd of World Civ I (3)
Social Science (3)

Hours: (16)

SECOND SEMESTER

ECC

Foreign Language I (4)
EN 1333/1343 Eng Comp II (3)
HI 1103 US History to 1877 (3)
HI 2203 Fnd of World Civ II (3)
Humanities (3)

Hours: (16)

THIRD SEMESTER

ECC

HI 1203 US History since 1877 (3)
HI 1403 MO & MS Valley Hist (3)

FOURTH SEMESTER

ECC

HI 2303 Fnd of World Civ III (3)
Science (3)

Social Science (3)
Science w/lab (4-5)
Foreign Language II (4)

Hours: (17-18)

Physical Education (2)
Approved Elective (3)
Foreign Language III (4)

Hours: (15)

Total hours transferable with A.A.: 64; without A.A.: 60

For A.A. degree, science course selection must include one Biological and one Physical Science.

See this publication's listing of transferable Humanities, Social Science, and Cultural Diversity courses.

For additional information, contact the UM-St. Louis History Department, 516-5681.

Please seek advisement from your ECC Academic Advisor for assurance of completion of the Associate Degree.

NOTE: IT IS IMPORTANT TO CONTACT THE UM-ST. LOUIS TRANSFER COORDINATOR EACH SEMESTER

UNIVERSITY OF MISSOURI-ST. LOUIS
AND
EAST CENTRAL COLLEGE

ASSOCIATE OF ARTS LEADING TO BACHELOR OF ARTS IN

MUSIC

FIRST SEMESTER

ECC

ED 0001/1001 Orientation (1)
EN 1223/1233 Eng Comp I (3)
MU 1613 **and** 1621 Mus Thry I (4)
Physical Education (1)
MT 1403 College Algebra (3) **OR**
MT 1323 College Math (3)
Foreign Language I (4)

Hours: (16)

SECOND SEMESTER

ECC

EN 1333/1343 Eng Comp II (3)
MU 1703 **and** 1711 Mus Thry II (4)
Social Science (3)
CT 1003/1103 Speech (3)
Foreign Language II (4)

Hours: (17)

THIRD SEMESTER

ECC

FOURTH SEMESTER

ECC

Cultural Diversity (3)
State Requirement (3)
MU 2103 **and** 2121 Mus Thry III (4)
Foreign Language III (4)
Science (3)

Hours: (17)

Science w/lab (4-5)
Social Science (3)
MU 2203 **and** 2211 Mus Thry IV (4)
MU 1803 Music Literature (3)
Physical Education (1)

Hours: (15-16)

Total hours transferable with A.A.: 64; without A.A.: 60

For A.A. degree, science course selection must include one Biological and one Physical Science.

See this publication's listing of transferable Humanities, Social Science, and Cultural Diversity courses.

For additional information, contact the UM-St. Louis Music Department, 516-5980.

Please seek advisement from your ECC Academic Advisor for assurance of completion of the Associate Degree.

NOTE: IT IS IMPORTANT TO CONTACT THE UM-ST. LOUIS TRANSFER COORDINATOR EACH SEMESTER

UNIVERSITY OF MISSOURI-ST. LOUIS
AND
EAST CENTRAL COLLEGE

ASSOCIATE OF ARTS LEADING TO BACHELOR OF FINE ARTS IN
PAINTING

FIRST SEMESTER

ECC

ED 0001/1001 Orientation (1)
EN 1223/1233 Eng Comp I (3)
CT 1003/1103 Speech (3)
MT 1403 College Algebra (3) **OR**
MT 1323 College Math (3)
AR 1303 Drawing I (3)
AR 1103 Design I (3)

Hours: (16)

SECOND SEMESTER

ECC

EN 1333/1343 Eng Comp II (3)
AR 1113 Design II (3)
AR 1503 Figure Drawing I (3)
AR 1313 Drawing II (3)
AR 1403 Painting I (3)
Physical Education (1)

Hours: (16)

THIRD SEMESTER

FOURTH SEMESTER

ECC

AR 1713 Art History I (3)
 State Requirement (3)
 Physical Education (1)
 AR 1413 Painting II (3)
 Science (3)
 Social Science (3)

Hours: (16)

ECC

Science w/lab (4-5)
 Social Science (3)
 Cultural Diversity (3)
 AR 1513 Figure Drawing II (3)
 *AR 1423 Painting III (3)

Hours: (16-17)

Total hours transferable with A.A.: 64; without A.A.: 60

For A.A. degree, science course selection must include one Biological and one Physical Science.

See this publication's listing of transferable Humanities, Social Science, and Cultural Diversity courses.

For additional information, contact the UM-St. Louis Art Department, 516-5975.

Please seek advisement from your ECC Academic Advisor for assurance of completion of the Associate Degree.

*Consult your ECC Advisor for additional options.

NOTE: IT IS IMPORTANT TO CONTACT THE UM-ST. LOUIS TRANSFER COORDINATOR EACH SEMESTER

UNIVERSITY OF MISSOURI-ST. LOUIS
 AND
 EAST CENTRAL COLLEGE

ASSOCIATE OF ARTS LEADING TO BACHELOR OF ARTS IN
PHILOSOPHY

FIRST SEMESTER**ECC**

ED 1001/0001 Orientation (1)
 EN 1223/1233 Eng Comp I (3)
 CT 1003/1103 Speech (3)
 MT 1403 College Algebra (3) **OR**
 MT 1323 College Math (3)
 Science (3)
 PR 1003 Intro to Philosophy (3)

Hours: (16)

SECOND SEMESTER**ECC**

State Requirement (3)
 EN 1333/1343 Eng Comp II (3)
 Foreign Language I (4)
 PR 1203 Hist Mod Philosophy (3)
 PR 1303 Liv World Religions (3)

Hours: (16)

THIRD SEMESTER

ECC

Social Science (3)
PR 1103 Logic (3)
Foreign Language II (4)
PR 2103 Contemp Eth Prob (3)
Physical Education (2)

Hours: (15)

FOURTH SEMESTER

ECC

Social Science (3)
Science w/lab (4-5)
Foreign Language III (4)
PHIL 30
Elective (3)

Hours: (17-18)

Total hours transferable with A.A.: 64; without A.A.: 60

For A.A. degree, science course selection must include one Biological and one Physical Science.

See this publication's listing of transferable Humanities, Social Science, and Cultural Diversity courses.

For additional information, contact the UM-St. Louis Philosophy Department, 516-5631.

Please seek advisement from your ECC Academic Advisor for assurance of completion of the Associate Degree.

NOTE: IT IS IMPORTANT TO CONTACT THE UM-ST. LOUIS TRANSFER COORDINATOR EACH SEMESTER

UNIVERSITY OF MISSOURI-ST. LOUIS
AND
EAST CENTRAL COLLEGE

ASSOCIATE OF ARTS LEADING TO BACHELOR OF FINE ARTS IN

PHOTOGRAPHY

FIRST SEMESTER

ECC

ED 0001/1001 Orientation (1)
EN 1223/1233 Eng Comp I (3)
CT 1003/1103 Speech (3)
MT 1403 College Algebra (3) **OR**
MT 1323 College Math (3)
AR 1303 Drawing I (3)
AR 1103 Design I (3)

SECOND SEMESTER

ECC

EN 1333/1343 Eng Comp II (3)
AR 1113 Design II (3)
AR 1503 Figure Drawing I (3)
AR 1313 Drawing II (3)
State Requirement (3)
Physical Education (1)

Hours: (16)

Hours: (16)

THIRD SEMESTER

ECC

AR 1713 Art History I (3)
Social Science (3)
Physical Education (1)
Humanities (3)
AR 2203 Photography I (3)
Science (3)

Hours: (16)

FOURTH SEMESTER

ECC

Science w/lab (4-5)
Social Science (3)
Cultural Diversity (3)
AR 2213 Photography II (3)
AR 1513 Figure Drawing II (3)

Hours: (16-17)

Total hours transferable with A.A.: 64; without A.A.: 60

For A.A. degree, science course selection must include one Biological and one Physical Science.

See this publication's listing of transferable Humanities, Social Science, and Cultural Diversity courses.

For additional information, contact the UM-St. Louis Art Department, 516-5975.

Please seek advisement from your ECC Academic Advisor for assurance of completion of the Associate Degree.

NOTE: IT IS IMPORTANT TO CONTACT THE UM-ST. LOUIS TRANSFER COORDINATOR EACH SEMESTER

UNIVERSITY OF MISSOURI-ST. LOUIS
AND
EAST CENTRAL COLLEGE

ASSOCIATE OF ARTS LEADING TO BACHELOR OF ARTS or SCIENCE IN
PHYSICS

FIRST SEMESTER

ECC

ED 0001/1001 Orientation (1)
EN 1223/1233 Eng Comp I (3)
MT 1605 Ana Geom & Calc I (5)
Biology Elective (3)
Physical Education (2)
CT 1003/1103 Speech (3)

SECOND SEMESTER

ECC

MT 2105 Ana Geom & Calc II (5)
EN 1333/1343 Eng Comp II (3)
PH 2103 **and** 2112 Gen Phy I (5)
Humanities (3)

Hours: (17)

THIRD SEMESTER

ECC

MT 2205 Ana Geom & Calc II (5)

PH 2203 **and** 2212 Gen Phy II (5)

Social Science (3)

State Requirement (3)

Hours: (16)

Hours: (16)

FOURTH SEMESTER

ECC

MT 2303 Diff Equations (3)

Social Science (3)

Humanities (3)

Cultural Diversity (3)

CH 1303 **and** 1312 Gen Chem I (3)

Hours: (15)

Total hours transferable with A.A.: 64; without A.A.: 60

For A.A. degree, science course selection must include one Biological and one Physical Science.

See this publication's listing of transferable Humanities, Social Science, and Cultural Diversity courses.

For additional information, contact the UM-St. Louis Physics Department, 516-5931.

Please seek advisement from your ECC Academic Advisor for assurance of completion of the Associate Degree.

NOTE: IT IS IMPORTANT TO CONTACT THE UM-ST. LOUIS TRANSFER COORDINATOR EACH SEMESTER

UNIVERSITY OF MISSOURI-ST. LOUIS

AND

EAST CENTRAL COLLEGE

ASSOCIATE OF ARTS LEADING TO BACHELOR OF ARTS IN

POLITICAL SCIENCE

FIRST SEMESTER

ECC

ED 0001/1001 Orientation (1)

EN 1223/1233 Eng Comp I (3)

Humanities (3)

CT 1003/1103 Speech (3)

MT 1403 College Algebra (3) **OR**

SECOND SEMESTER

ECC

EN 1333/1343 Eng Comp II (3)

Foreign Language I (4)

Social Science (3)

Science w/lab (4-5)

PS 1203 US Gov I:Natl & St (3)

MT 1323 College Math (3)
Science (3)

Hours: (16)

Hours: (17-18)

THIRD SEMESTER

ECC

Foreign Language II (4)
Approved Elective (3)
*PS 1303 US St & Local Gov (3)
Approved Elective (2-3)
PY 1103 Gen Psychology (3)

Hours: (15-16)

FOURTH SEMESTER

ECC

Humanities (3)
*PS 2203 Intro Pub Admin (3)
Foreign Language III (4)
PS 2103 Internatl Relations (3)
Physical Education (2)

Hours: (15)

Total hours transferable with A.A.: 64; without A.A.: 60

For A.A. degree, science course selection must include one Biological and one Physical Science.

See this publication's listing of transferable Humanities, Social Science, and Cultural Diversity courses.

For additional information, contact the UM-St. Louis Political Science Department, 516-5521.

Please seek advisement from your ECC Academic Advisor for assurance of completion of the Associate Degree.

*Consult your ECC Advisor for additional options.

NOTE: IT IS IMPORTANT TO CONTACT THE UM-ST. LOUIS TRANSFER COORDINATOR EACH SEMESTER

UNIVERSITY OF MISSOURI-ST. LOUIS
AND
EAST CENTRAL COLLEGE

ASSOCIATE OF ARTS LEADING TO BACHELOR OF FINE ARTS IN

PRINTMAKING

FIRST SEMESTER

ECC

ED 0001/1001 Orientation (1)
EN 1223/1233 Eng Comp I (3)
CT 1003/1103 Speech (3)

SECOND SEMESTER

ECC

EN 1333/1343 Eng Comp II (3)
AR 1113 Design II (3)
AR 1503 Figure Drawing I (3)

MT 1403 College Algebra (3) **OR**
MT 1323 College Math (3)
AR 1303 Drawing I (3)
AR 1103 Design I (3)

Hours: (16)

AR 1313 Drawing II (3)
Physical Education (1)
State Requirement (3)

Hours: (16)

THIRD SEMESTER

ECC

Science (3)
Social Science (3)
Physical Education (1)
Humanities (3)
AR 2103 Printmaking I (3)
AR 1713 Art History I (3)

Hours: (16)

FOURTH SEMESTER

ECC

Cultural Diversity (3)
Social Science (3)
Science w/lab (4-5)
AR 2113 Printmaking II (3)
AR 1513 Figure Drawing II (3)

Hours: (16-17)

Total hours transferable with A.A.: 64; without A.A.: 60

For A.A. degree, science course selection must include one Biological and one Physical Science.

See this publication's listing of transferable Humanities, Social Science, and Cultural Diversity courses.

For additional information, contact the UM-St. Louis Art Department, 516-5975.

Please seek advisement from your ECC Academic Advisor for assurance of completion of the Associate Degree.

NOTE: IT IS IMPORTANT TO CONTACT THE UM-ST. LOUIS TRANSFER COORDINATOR EACH SEMESTER

UNIVERSITY OF MISSOURI-ST. LOUIS
AND
EAST CENTRAL COLLEGE

ASSOCIATE OF ARTS LEADING TO BACHELOR OF ARTS IN
PSYCHOLOGY

FIRST SEMESTER

ECC

ED 0001/1001 Orientation (1)

SECOND SEMESTER

ECC

EN 1333/1343 Eng Comp II (3)

EN 1223/1233 Eng Comp I (3)
PY 1103 Gen Psychology (3)
CT 1003/1103 Speech (3)
Foreign Language I (4)
Physical Education (2)

Hours: (16)

THIRD SEMESTER

ECC

Foreign Language III (4)
Science w/lab (4-5)
Social Science (3)
PY 2203 Child Psychology (3)
Cultural Diversity (3)

Hours: (17-18)

Foreign Language II (4)
Humanities (3)
Science (3)
MT 1403 College Algebra (3)

Hours: (16)

FOURTH SEMESTER

ECC

Social Science (3)
PY 2403 Human Development (3)
State Requirement (3)
Approved Psy Elective (3)
Elective (2-3)

Hours: (14-15)

Total hours transferable with A.A.: 64; without A.A.: 60

For A.A. degree, science course selection must include one Biological and one Physical Science.

See this publication's listing of transferable Humanities, Social Science, and Cultural Diversity courses.

For additional information, contact the UM-St. Louis Psychology Department, 516-5391.

Please seek advisement from your ECC Academic Advisor for assurance of completion of the Associate Degree.

NOTE: IT IS IMPORTANT TO CONTACT THE UM-ST. LOUIS TRANSFER COORDINATOR EACH SEMESTER

UNIVERSITY OF MISSOURI-ST. LOUIS
AND
EAST CENTRAL COLLEGE

ASSOCIATE OF ARTS LEADING TO BACHELOR OF SCIENCE IN

PUBLIC POLICY ADMINISTRATION

FIRST SEMESTER

SECOND SEMESTER

ECC

ED 0001/1001 Orientation (1)
 EN 1223/1233 Eng Comp I (3)
 Social Science (3)
 CT 1003/1103 Speech (3)
 MT 1403 College Algebra (3)
 Elective (3)

Hours: (16)

ECC

EN 1333/1343 Eng Comp II (3)
 Humanities (3)
 Science w/lab (4-5)
 EC 2203 Prin of Microecon (3)
 PS 1203 US Govt I: Natl & St (3)

Hours: (16-17)

THIRD SEMESTER**ECC**

Cultural Diversity (3)
 CJ 1013 Intro to Crim Jus (3)
 Science (3)
 *PS 2203 Intro Public Admin (3)
 EC 2103 Prin of Macroecon (3)

Hours: (15)

FOURTH SEMESTER**ECC**

Physical Education (2)
 Humanities (3)
 CS 1003 Microcomputing (3)
 BU 2103 Basic Business Stats (3)
 State Requirement (3)
 Elective (2-3)

Hours: (16-17)

Total hours transferable with A.A.: 64; without A.A.: 60

For A.A. degree, science course selection must include one Biological and one Physical Science.

See this publication's listing of transferable Humanities, Social Science, and Cultural Diversity courses.

For additional information, contact the UM-St. Louis Political Science Department, 516-5521.

Please seek advisement from your ECC Academic Advisor for assurance of completion of the Associate Degree.

*Consult your ECC Advisor for additional options.

NOTE: IT IS IMPORTANT TO CONTACT THE UM-ST. LOUIS TRANSFER COORDINATOR EACH SEMESTER

UNIVERSITY OF MISSOURI-ST. LOUIS
 AND
 EAST CENTRAL COLLEGE
 ASSOCIATE OF ARTS LEADING TO
BACHELOR OF SOCIAL WORK

FIRST SEMESTER

ECC

ED 0001/1001 Orientation (1)
EN 1223/1233 Eng Comp I (3)
Humanities (3)
CT 1003/1103 Speech (3)
MT 1403 College Algebra (3) **OR**
MT 1323 College Math (3)
SO 1103 Gen Sociology (3)

Hours: (16)

SECOND SEMESTER

ECC

EN 1333/1343 Eng Comp II (3)
Humanities (3)
Science (3)
PY 1103 Gen Psychology (3)
SO 2303 Intro to Social Work (3)

Hours: (15)

THIRD SEMESTER

ECC

Cultural Diversity (3)
Approved Elective (3)
BI 1303 **and** 1312 Gen Bio/Lab (5)
Elective (2-3)
SO 2203 Marriage & the Fam (3)

Hours: (16-17)

FOURTH SEMESTER

ECC

Physical Education (2)
Approved Elective at Soph level
in Psy or Soc (6)
*AN 2703 Field Archaeology (3)
EC 2203/2103 Mic/Macroecon (3)
PS 1203 US Govt I: Nat & State (3)

Hours: (17)

Total hours transferable with A.A.: 64; without A.A.: 60

For A.A. degree, science course selection must include one Biological and one Physical Science.

See this publication's listing of transferable Humanities, Social Science, and Cultural Diversity courses.

For additional information, contact the UM-St. Louis Social Work Department, 516-6385.

Please seek advisement from your ECC Academic Advisor for assurance of completion of the Associate Degree.

*Consult your ECC Advisor for additional options.

NOTE: IT IS IMPORTANT TO CONTACT THE UM-ST. LOUIS TRANSFER COORDINATOR EACH SEMESTER

UNIVERSITY OF MISSOURI-ST. LOUIS
AND
EAST CENTRAL COLLEGE

ASSOCIATE OF ARTS LEADING TO BACHELOR OF ARTS IN

SOCIOLOGY

FIRST SEMESTER

ECC

ED 0001/1001 Orientation (1)
EN 1223/1233 Eng Comp I (3)
Social Science (3)
CT 1003/1103 Speech (3)
MT 1403 College Algebra (3) **OR**
MT 1323 College Math (3)
Science (3)

Hours: (16)

SECOND SEMESTER

ECC

EN 1333/1343 Eng Comp II (3)
Approved Elective (3)
Science w/lab (4-5)
SO 1103 General Sociology (3)
Foreign Language I (4)

Hours: (17-18)

THIRD SEMESTER

ECC

Cultural Diversity (3)
State Requirement (3)
SO 2703 Ind Study in Sociol (3)
Foreign Language II (4)
SO 2103 Human Relations (3)

Hours: (16)

FOURTH SEMESTER

ECC

Physical Education (2)
SO 2203 Marriage & Family (3)
SO 1203 Social Prob (3)
PY 1103 General Psychology (3)
Foreign Language III (4)

Hours: (15)

Total hours transferable with A.A.: 64; without A.A.: 60

For A.A. degree, science course selection must include one Biological and one Physical Science.

See this publication's listing of transferable Humanities, Social Science, and Cultural Diversity courses.

For additional information, contact the UM-St. Louis Sociology Department, 516-6364.

Please seek advisement from your ECC Academic Advisor for assurance of completion of the Associate Degree.

NOTE: IT IS IMPORTANT TO CONTACT THE UM-ST. LOUIS TRANSFER COORDINATOR EACH SEMESTER

UNIVERSITY OF MISSOURI-ST. LOUIS
AND
EAST CENTRAL COLLEGE

ASSOCIATE OF ARTS LEADING TO BACHELOR OF SCIENCE IN
SOCIOLOGY

FIRST SEMESTER

ECC

ED 0001/1001 Orientation (1)
EN 1223/1233 Eng Comp I (3)
Humanities (3)
CT 1003/1103 Speech (3)
MT 1403 College Algebra (3) **OR**
MT 1323 College Math (3)
SO 1103 General Sociology (3)

Hours: (16)

SECOND SEMESTER

ECC

EN 1333/1343 Eng Comp II (3)
Humanities (3)
Science w/lab (4-5)
Approved Elective (3)
PY 1103 General Psychology (3)

Hours: (16-17)

THIRD SEMESTER

ECC

Cultural Diversity (3)
Social Science (3)
Science (3)
SO 2703 Ind Study in Sociol (3)
Approved Elective (3)

Hours: (15)

FOURTH SEMESTER

ECC

Physical Education (2)
SO 2203 Marriage & Family (3)
EC2203/2103 Mic/Macro Econ (3)
PS 1203 US Govt I: Natl & St (3)
SO 2103 Human Relations (3)
Elective (2-3)

Hours: (16-17)

Total hours transferable with A.A.: 64; without A.A.: 60

For A.A. degree, science course selection must include one Biological and one Physical Science.

See this publication's listing of transferable Humanities, Social Science, and Cultural Diversity courses.

For additional information, contact the UM-St. Louis Sociology Department, 516-6364.

Please seek advisement from your ECC Academic Advisor for assurance of completion of the Associate Degree.

NOTE: IT IS IMPORTANT TO CONTACT THE UM-ST. LOUIS TRANSFER COORDINATOR EACH SEMESTER

UNIVERSITY OF MISSOURI-ST. LOUIS
AND
EAST CENTRAL COLLEGE

ASSOCIATE OF ARTS LEADING TO BACHELOR OF ARTS IN
SPANISH LANGUAGE AND LITERATURE

FIRST SEMESTER

ECC

ED 0001/1001 Orientation (1)
EN 1223/1233 Eng Comp I (3)
CT 1003/1103 Speech (3)
MT 1403 College Algebra (3) **OR**
MT 1323 College Math (3)
Physical Education (2)
SP 1104 Elem Spanish I (4)

Hours: (16)

SECOND SEMESTER

ECC

HI 2303 Fnd of World Civ III (3)
EN 1333/1343 Eng Comp II (3)
Social Science (3)
Science (3)
SP 1204 Elem Spanish II (4)

Hours: (16)

THIRD SEMESTER

ECC

SP 2204 Span Reading/Penn (4)
Humanities (3)
Science w/lab (4-5)
Social Science(3)
Approved Elective (3)

Hours: (17-18)

FOURTH SEMESTER

ECC

State Requirement (3)
SP 2703 Ind Study in Span (3)
SP 2104 Span Read/Mex Drama (4)
Humanities (3)
Elective (1-2)

Hours: (14-15)

Total hours transferable with A.A.: 64; without A.A.: 60

For A.A. degree, science course selection must include one Biological and one Physical Science.

See this publication's listing of transferable Humanities, Social Science, and Cultural Diversity courses.

For additional information, contact the UM-St. Louis Foreign Languages and Literatures Department, 516-6240.

Please seek advisement from your ECC Academic Advisor for assurance of completion of the Associate Degree.

NOTE: IT IS IMPORTANT TO CONTACT THE UM-ST. LOUIS TRANSFER COORDINATOR EACH SEMESTER

UNIVERSITY OF MISSOURI-ST. LOUIS
AND

EAST CENTRAL COLLEGE

ASSOCIATE IN APPLIED SCIENCE LEADING TO BACHELOR OF SCIENCE IN

NURSING
(BSN COMPLETION)

FIRST SEMESTER

ECC

*NRS 1014 **and** 1022 Fund
of Nursing (6.5)
BI 2102/2112 A&P I/Lab (4)
PS 1303 (3) **OR** HI 1103/1203 (3)
OR PS 1203 (3)
PY 1103 Gen Psy (3)

Hours: (16.5)

SECOND SEMESTER

ECC

*NRS 1035 **and** 1045 Nrs
Adults & Child I (10)
BI 2202/2203 A&P II/lab (4)
SO 1103 General Sociology (3)
Physical Education (1)

Hours: (18)

SUMMER

SLCC

*NRS 1062 **and** 1063
Mental Hlth Nrs (5)
Humanities (3) **OR**
Com/Pub Spk (3)
Physical Education (1)

Hours: (9)

THIRD SEMESTER

ECC

*NRS 2012 **and** 2022 Mat, Neonat,
& Women s Hlth (5)
*NRS 2032 **and** 2042 Nrs of
Adults & Child II (4.5)
BI 2402/2412 Micro (4)
EN 0101 Eng Comp I (3)

Hours: (16.5)

FOURTH SEMESTER

ECC

*NRS 2045 **and** 2055 Nrs
Adults & Child III (10)
*NRS 2991 Nrs Trend &
Placement (1)
EN 0133 Eng Comp II (3)

Hours: (14)

Barnes College of Nursing accepts 64 hours of general education credit; plus, 30 credit hours of nursing clinicals are granted upon receipt of student's RN license and successful completion of N200, Dimensions of Professional Nursing, at UM-St. Louis.

Total hours transferable with A.A.S.: 64; without A.A.S.: 60

For A.A.S. degree, science course selection must include one Biological and one Physical Science.

See this publication's listing of transferable Humanities, Social Science, and Cultural Diversity courses.

For additional information, contact the UM-St. Louis Barnes College of Nursing, 516-6066

Please seek advisement from your ECC Academic Advisor for assurance of completion of the Associate Degree.

NOTE: IT IS IMPORTANT TO CONTACT THE UM-ST. LOUIS TRANSFER COORDINATOR EACH SEMESTER

UNIVERSITY OF MISSOURI-ST. LOUIS
AND
EAST CENTRAL COLLEGE

ASSOCIATE OF ARTS LEADING TO BACHELOR OF SCIENCE IN

NURSING
(FOUR YEAR BSN)

FIRST SEMESTER

ECC

ED 0001/1001 Orientation (1)
EN 1223/1233 Eng Comp I (3)
*Humanities (3)
BI 1303 **and** 1312 Gen Biology (5)
MT 1403 College Algebra (3)
PE Activity (1)

Hours: (16)

SECOND SEMESTER

ECC

EN 1333/1343 Eng Comp II (3)
*Humanities (3)
CH 1303 **and** 1312 Gen Chem (5)
State Requirement (3)
PY 1103 Gen Psychology (3)

Hours: (17)

THIRD SEMESTER

ECC

CT 1003/1103 Speech (3)
*Humanities (3)
BI 2102 **and** 2112 Anat/Physio I (4)
SO 1103 General Sociology (3)
PY 2403 Human Development (3)

Hours: (16)

FOURTH SEMESTER

ECC

Adv Socio or Anthro Elective (3)
BI 2202 **and** 2203 Anat/Physio II (4)
BI 2103 Microbiology (4)
EC 2102/2203 Mic/Macroecon (3)
PE Activity (1)

Hours: (15)

A 15-month Accelerated Track is available to students with a bachelor's degree in another discipline or 62 hours of general education credit with a GPA of 3.2; contact Barnes College of Nursing at 516-6066.

Total hours transferable with A.A.: 64; without A.A.: 60

For A.A. degree, science course selection must include one Biological and one Physical Science.

See this publication's listing of transferable Humanities, Social Science, and Cultural Diversity courses.

*One Humanities (3) must be an ethics course.

For additional information, contact the UM-St. Louis Barnes College of Nursing, 516-6066.

Please seek advisement from your ECC Academic Advisor for assurance of completion of the Associate Degree.

NOTE: IT IS IMPORTANT TO CONTACT THE UM-ST. LOUIS TRANSFER COORDINATOR EACH SEMESTER

UNIVERSITY OF MISSOURI - ST. LOUIS
AND
EAST CENTRAL COLLEGE

ASSOCIATE OF ARTS LEADING TO BACHELOR OF
GENERAL STUDIES

FIRST SEMESTER

ECC

ED 001/1001 Orientation (1)
EN 1223/1233 Comp I (3)
State Requirement (3)
Humanities (3)
Approved Elective (3)
Approved Elective (3)

Hours: (16)

SECOND SEMESTER

ECC

MT 1403 College Algebra (3) **OR**
MT 1323 College Math (3)
Humanities (3)
Social Science (3)
Approved Elective (3)
PE Activity (1)
EN 1333/1343 Comp II (3)

Hours: (16)

THIRD SEMESTER

ECC

CT 1003/1103 Speech (3)
Social Science (3)
Science (3-5)
Approved Elective (3)
Approved Elective (3)
PE Activity (1)

Hours: (16-18)

FOURTH SEMESTER

ECC

Humanities (3)
Approved Elective (3)
Science w/lab (4-5)
Approved Elective (3)
Approved Elective (3)

Hours: (16-17)

Total hours transferable with A.A.: 64; without A.A.: 60

For A.A. degree, science course selection must include one Biological and one Physical Science.

See this publication's listing of transferable Humanities, Social Science, and Cultural Diversity courses.

120 hours required for the BGS

For additional information, contact the UM-St. Louis Evening College, 516-5161.

Please seek advisement from your ECC Academic Advisor for assurance of completion of the Associate Degree.

NOTE: IT IS IMPORTANT TO CONTACT THE UM-ST. LOUIS TRANSFER COORDINATOR EACH SEMESTER

UNIVERSITY OF MISSOURI-ST. LOUIS
AND
EAST CENTRAL COLLEGE

ASSOCIATE OF ARTS DEGREE LEADING TO BACHELOR IN HEALTH SCIENCE

CLINICAL LABORATORY SCIENCE

CYTOTECHNOLOGY

FIRST SEMESTER

ECC

EN 1223 English Comp I (3)
CT 1103 Public Spkng (3)
BIO 1313 **and** 1322 Intro Botany (5)
MT 1403 College Algebra (3)
ED 101 Student Develop (1)
MT 1402 Trigonometry (2)

Hours: (17)

SECOND SEMESTER

ECC

EN 1333 Eng Comp II (3)
CT 1003 Oral Comm (3) **OR**
CT 1103 Public Spkng (3)
BI 2102 **and** 2112 Hum Anat & Phys I (4)
Humanities (3)
SOC 1103 Gen Sociol (3)

Hours: (16)

THIRD SEMESTER

ECC

CH 1303 **and** 1312 Gen Chem I (5)
Humanities (3)
PE Activity (2)
BIO 2202 **and** 2203 Human Anat II (4-5)

Hours: (14-15)

126 hours required for the BHS-Clinical Laboratory Science/Cytotechnology

FOURTH SEMESTER

ECC

Humanities (3)
CH 1403 **and** 1412 Gen Chem II (5)
State Requirement (3)
CS 1003 Microcomp Appl (3)
Social Science (3)

Hours: (17)

Total hours transferable with A.A.: 64; without A.A.: 60

For A.A. degree, science course selection must include one Biological and one Physical Science.

See this publication's listing of transferable Humanities, Social Science, and Cultural Diversity courses.

For additional information, contact the UM-St. Louis Evening College, 516-5161.

Please seek advisement from your ECC Academic Advisor for assurance of completion of the Associate Degree.

NOTE: IT IS IMPORTANT TO CONTACT THE UM-ST. LOUIS TRANSFER COORDINATOR EACH SEMESTER

UNIVERSITY OF MISSOURI-ST. LOUIS
AND
EAST CENTRAL COLLEGE

ASSOCIATE OF ARTS LEADING TO BACHELOR OF SCIENCE IN

BUSINESS ADMINISTRATION

Finance
International Business
Logistics and Operations Management
Management and Organizational Behavior
Marketing

FIRST SEMESTER

ECC

ED 0001/1001 Orientation (1)
EN 1223/1233 Eng Comp I (3)
Humanities (3)
Physical Education (1)
MT 1403 College Algebra (3)
Science (4)

Hours: (15)

THIRD SEMESTER

ECC

MT 2103 Statistics (3)
State Requirement (3)
EC 2203 Prin of Microecon (3)
AC 1043 **and** 1051 Acct II (4)
Humanities (3)

Hours: (16)

SECOND SEMESTER

ECC

EN 1333/1343 Eng Comp II (3)
MT 2013 Survey Calculus (4)
AC 1023 **and** 1031 Accounting I (4)
BU 1003 Intro to Bus (3)
EC 2103 Prin of Macroecon (3)

Hours: (17)

FOURTH SEMESTER

ECC

Science (3-5)
Humanities (3)
CT 1103 Public Speaking (3)
Social Sciece (3)
Physical Education (1)
CS 1013 Intro Comp&Info Sys (3)

Hours: (16-18)

Total hours transferable with A.A.: 64; without A.A.: 60. Sixty hours must be taken at a four-year institution.

For A.A. degree, science course selection must include one Biological and one Physical Science.

See this publication's listing of transferable Humanities, Social Science, and Cultural Diversity courses.

For additional information, contact the UM-St. Louis School of Business Administration, 516-5888.

Please seek advisement from your ECC Academic Advisor for assurance of completion of the Associate Degree.

NOTE: IT IS IMPORTANT TO CONTACT THE UM-ST. LOUIS TRANSFER COORDINATOR EACH SEMESTER

UNIVERSITY OF MISSOURI-ST. LOUIS
AND
EAST CENTRAL COLLEGE

ASSOCIATE OF ARTS LEADING TO BACHELOR OF SCIENCE IN

ACCOUNTING

FIRST SEMESTER

ECC

ED 0001/1001 Orientation (1)
EN 1223/1233 Eng Comp I (3)
Humanities (3)
Physical Education (1)
MT 1403 College Algebra (3)
Science (4)

Hours: (15)

SECOND SEMESTER

ECC

EN 1333/1343 Eng Comp II (3)
MT 2013 Survey Calculus (4)
AC 1023 **and** 1031 Accounting I (4)
BU 1003 Intro to Bus (3)
EC 2103 Prin of Macroecon (3)

Hours: (17)

THIRD SEMESTER

ECC

MT 2103 Statistics (3)
State Requirement (3)
EC 2203 Prin of Microecon (3)
AC 1043 **and** 1051 Acct II (4)
PR 2103 Contem Ethic Probs (3)

Hours: (16)

FOURTH SEMESTER

ECC

Science (3-5)
Humanities (3)
CT 1003 Oral Com (3)
Physical Education (1)
CS 1013 Intro Comp & Info Sys (3)
Social Science (3)

Hours: (16-18)

Total hours transferable with A.A.: 64; without A.A.: 60. Sixty hours must be completed at a four-year institution.

For A.A. degree, science course selection must include one Biological and one Physical Science.

See this publication's listing of transferable Humanities, Social Science, and Cultural Diversity courses.

For additional information, contact the UM-St. Louis School of Business Administration, 516-5888.

Please seek advisement from your ECC Academic Advisor for assurance of completion of the Associate Degree.

NOTE: IT IS IMPORTANT TO CONTACT THE UM-ST. LOUIS TRANSFER COORDINATOR EACH SEMESTER

UNIVERSITY OF MISSOURI-ST. LOUIS
AND
EAST CENTRAL COLLEGE

ASSOCIATE OF ARTS LEADING TO BACHELOR OF SCIENCE IN
MANAGEMENT INFORMATION SYSTEMS

FIRST SEMESTER

ECC

ED 0001/1001 Orientation (1)
EN 1223/1233 Eng Comp I (3)
Humanities (3)
Physical Education (1)
MT 1403 College Algebra (3)
Science (4)

Hours: (15)

SECOND SEMESTER

ECC

EN 1333/1343 Eng Comp II (3)
MT 2013 Survey Calculus (4)
AC 1023 **and** 1031 Accounting I (4)
BU 1003 Intro to Bus (3)
EC 2103 Prin of Macroecon (3)

Hours: (17)

THIRD SEMESTER

ECC

MT 2103 Statistics (3)
State Requirement (3)
EC 2203 Prin of Microecon (3)
AC 1043 **and** 1051 Acct II (4)
Humanities (3)

Hours: (16)

FOURTH SEMESTER

ECC

Science (3-5)
Humanities (3)
Speech (3)
Social Science (3)
Physical Education (1)
CS 1013 Intro Comp & Info Sys (3)

Hours: (16-18)

Total hours transferable with A.A.: 64; without A.A.: 60. Sixty hours must be taken at a four-year institution.

For A.A. degree, science course selection must include one Biological and one Physical Science.

See this publication's listing of transferable Humanities, Social Science, and Cultural Diversity courses.

For additional information, contact the UM-St. Louis School of Business Administration, 516-5888.

Please seek advisement from your ECC Academic Advisor for assurance of completion of the Associate Degree.

NOTE: IT IS IMPORTANT TO CONTACT THE UM-ST. LOUIS TRANSFER COORDINATOR EACH SEMESTER

UNIVERSITY OF MISSOURI-ST. LOUIS
AND
EAST CENTRAL COLLEGE

ASSOCIATE OF ARTS LEADING TO BACHELOR OF SCIENCE IN EDUCATION

EARLY CHILDHOOD
BIRTH - GRADE 3

FIRST SEMESTER

ECC

ED 0001/1001 Orientation (1)
EN 1223/1233 Eng Comp I (3)
PY 1103 Gen Psychology (3)
MT 1103 Real Number Sys (3)
Approved Elective (3)
SO 1103 Gen Sociology (3) **OR**
AN 1003 Intro Cultural Anthro (3)

Hours: (16)

SECOND SEMESTER

ECC

EN 1333/1343 Eng Comp II (3)
CT 1103 Public Speaking (3)
MT 1113 Met/NonMetric Geom (3)
Humanities (3)
PS 1203 US Government I (3)

Hours: (15)

THIRD SEMESTER

ECC

HI 1203/1103 US Hist -1877 (3)
PY 2203 Child Psychology (3)
Biological Science w/Lab (4-5)
Humanities (3)
ED 1013 Foundation of Education (3)

Hours: (17)

FOURTH SEMESTER

ECC

Physical Science w/Lab (4-5)
PE 2053 P.E. for Children (3)
Humanities (3)
Physical Education (2)
ED 1043 Intro to Teach & Assesment (3)

Hours: (16)

Total hours transferable with A.A.: 64; without A.A.: 60

For additional information, contact the UM-St. Louis School of Education, 516-5937.

Please seek advisement from your ECC Academic Advisor for assurance of completion of the Associate Degree.

NOTE: IT IS IMPORTANT TO CONTACT THE UM-ST. LOUIS TRANSFER COORDINATOR EACH SEMESTER

UNIVERSITY OF MISSOURI-ST. LOUIS
AND
EAST CENTRAL COLLEGE

ASSOCIATE OF ARTS LEADING TO BACHELOR OF SCIENCE IN EDUCATION

ELEMENTARY EDUCATION
GRADES 1-6

FIRST SEMESTER

ECC

ED 0001/1001 Orientation (1)
EN 1223/1233 Eng Comp I (3)
PY 1103 Gen Psychology (3)
MT 1103 Real Number Sys (3)
GE 1003 Geography (3)
SO 1103 Gen Sociology (3) **OR**
AN 1003 Intro Cultural Anthro (3)

Hours: (16)

SECOND SEMESTER

ECC

EN 1333/1343 Eng Comp II (3)
CT 1103 Public Speaking (3)
MT 1113 Met & Non Met Geom (3)
MU 2043 Music for Children (3)
PS 1203 US Govt I (3)
Physical Education (1)

Hours: (16)

THIRD SEMESTER

ECC

HI 1203/1103 US Hist -1877 (3)
PY 2203 Child Psychology (3)
Biological Science w/Lab (4-5)
Humanities (3)
EC 2103/2203 Mic/Macroecon (3)

Hours: (16-17)

FOURTH SEMESTER

ECC

Physical Science w/Lab (4-5)
ED 1013 Foundation of Education (3)
AR 2023 Art for Children (3)
ED 1043 Intro to Teach & Assessment (3)
Physical Education (1)
Humanities (3)

Hours: (15-16)

Total hours transferable with A.A.: 64; without A.A.: 60

For additional information, contact the UM-St. Louis School of Education, 516-5937.

Please seek advisement from your ECC Academic Advisor for assurance of completion of the Associate Degree.

NOTE: IT IS IMPORTANT TO CONTACT THE UM-ST. LOUIS TRANSFER COORDINATOR EACH SEMESTER

UNIVERSITY OF MISSOURI-ST. LOUIS
AND
EAST CENTRAL COLLEGE

ASSOCIATE OF ARTS LEADING TO BACHELOR OF SCIENCE IN EDUCATION

MIDDLE SCHOOL
GRADES 5-9

FIRST SEMESTER

ECC

ED 0001/1001 Orientation (1)
EN 1223/1233 Eng Comp I (3)
PY 1103 Gen Psychology (3)
MT 1103 Real Number Sys (3)
GE 1003 Geography (3)
SO 1103 Gen Sociology (3) **OR**
AN 1003 Intro Cultural Anthro (3)

Hours: (16)

SECOND SEMESTER

ECC

EN 1333/1343 Eng Comp II (3)
CT 1103 Public Speaking (3)
MT 1113 Met & Non Met Geom (3)
Humanities (3)
PS 1203 US Government I (3)

Hours: (15)

THIRD SEMESTER

ECC

HI 1203/1103 US Hist -1877 (3)
PY 2503 Adolescent Psych (3)
Biological Science w/Lab (4-5)
Humanities (3)
EC 2103/2203 Mic/Macroecon (3)

Hours: (16-17)

FOURTH SEMESTER

ECC

Physical Science w/Lab (4-5)
ED 1013 Foundation of Education (3)
ED 1043 Intro to Tech & Assessment (3)
Area of Concentration (3)
Humanities (3)
Physical Education (2)

Hours: (14-15)

Total hours transferable with A.A.: 64; without A.A.: 60

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AND
EAST CENTRAL COLLEGE

ASSOCIATE OF ARTS LEADING TO BACHELOR OF SCIENCE IN EDUCATION

SECONDARY EDUCATION
GRADES 9-12

FIRST SEMESTER

ECC

ED 0001/1001 Orientation (1)
EN 1223/1233 Eng Comp I (3)
Humanities (3)
PY 1103 General Psychology (3)
HI 1203/1103 US Hist-1877 (3)
Area of Concentration (3)

Hours: (16)

SECOND SEMESTER

ECC

EN 1333/1343 Eng Comp II (3)
Area of Concentration (3)
Area of Concentration (3)
CT 1103 Public Speaking (3)
PS 1203 US Government I (3)

Hours: (15)

THIRD SEMESTER

ECC

Area of Concentration (3)
MT 1403 College Algebra (3)
*Biological Science w/Lab (4-5)
Humanities (3)
Area of Concentration (3)

Hours: (16-17)

FOURTH SEMESTER

ECC

*Physical Science w/Lab (4-5)
Area of Concentration (3)
PY 2503 Adolescent Psych (3)
Humanities (3)
Physical Education (2)
Area of Concentration (3)

Hours: (18-19)

Total hours transferable with A.A.: 64; without A.A.: 60

*One lab must be included with the Biological **or** Physical Science.

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UNIVERSITY OF MISSOURI-ST. LOUIS
AND
EAST CENTRAL COLLEGE

ASSOCIATE OF ARTS LEADING TO BACHELOR OF SCIENCE IN EDUCATION

PHYSICAL EDUCATION
GRADES K-9

FIRST SEMESTER

ECC

ED 0001/1001 Orientation (1)
EN 1223/1233 Eng Comp I (3)
CT 1103 Public Speaking (3)
MT 1403 College Algebra (3)
Approved Elective (3)
SO 1103 Gen Sociology (3) **OR**
AN 1003 Intro Cultural Anthro (3)

Hours: (16)

SECOND SEMESTER

ECC

EN 1333/1343 Eng Comp II (3)
PY 1103 Gen Psychology (3)
Approved Elective (3)
Humanities (3)
PS 1203 US Government I (3)

Hours: (15)

THIRD SEMESTER

ECC

HI 1203/1103 US Hist -1877 (3)
PY 2203 Child Psych (3)
*Biological Science w/Lab (4-5)
Humanities (3)
Approved Elective (3)

Hours: (17)

FOURTH SEMESTER

ECC

*Physical Science with lab (4-5)
ED 1032 Ele Ed Field Exp (2)
Approved Elective (3)
Humanities (3)
Physical Education (2)
Approved Elective (3)

Hours: (16)

Total hours transferable with A.A.: 64; without A.A.: 60

*One lab must be included with the Biological **or** Physical Science.

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UNIVERSITY OF MISSOURI-ST. LOUIS
AND
EAST CENTRAL COLLEGE

ASSOCIATE OF ARTS LEADING TO BACHELOR OF SCIENCE IN EDUCATION

PHYSICAL EDUCATION
GRADES K-12

FIRST SEMESTER

ECC

ED 0001/1001 Orientation (1)
EN 1223/1233 Eng Comp I (3)
CT 1103 Public Speaking (3)
MT 1403 College Algebra (3) Humanities (3)
Approved Elective (3)
SO 1103 Gen Sociology (3) **OR**
AN 1003 Intro Cultural Anthro (3)

Hours: (16)

SECOND SEMESTER

ECC

EN 1333/1343 Eng Comp II (3)
PY 1103 Gen Psychology (3)
Approved Elective (3)
PS 1203 US Government I (3)

Hours: (15)

THIRD SEMESTER

ECC

HI 1203/1103 US Hist -1877 (3)
*Physical Science with lab (4-5)
Humanities (3)
Approved Elective (3)
PY 2203 Child Psych (3)
Approved Elective (3)

Hours: (18)

FOURTH SEMESTER

ECC

*Biological Science w/Lab (4-5)
ED 1032 Ele Ed Field Exp (2)
PY 2503 Adolescent Psych (3)
Humanities (3)
Physical Education (2)

Hours: (15)

Total hours transferable with A.A.: 64; without A.A.: 60

*One lab must be included with the Biological **or** Physical Science.

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UNIVERSITY OF MISSOURI-ST. LOUIS
AND
EAST CENTRAL COLLEGE

ASSOCIATE OF ARTS LEADING TO BACHELOR OF SCIENCE IN EDUCATION

SPECIAL EDUCATION

EDUCABLE MENTALLY HANDICAPPED (K-12)

EMOTIONALLY DISTURBED (K-12)

LEARNING DISABILITIES (K-12)

Elementary Certification (Grades 1-6)

FIRST SEMESTER

ECC

ED 0001/1001 Orientation (1)
EN 1223/1233 Eng Comp I (3)
CT 1103 Public Speaking (3)
MT 1103 Real Number Sys (3)
GE 1003 Geography (3)
SO 1103 Gen Sociology (3) **OR**
AN 1003 Intro Cultural Anthro (3)

Hours: (16)

SECOND SEMESTER

ECC

EN 1333/1343 Eng Comp II (3)
PY 1103 Gen Psychology (3)
PE 2503 P.E. for Children (2)
Humanities (3)
PS 1203 US Government I (3)
Physical Education (1)

Hours: (15)

THIRD SEMESTER

ECC

HI 1203/1103 US Hist -1877 (3)
PY 2203 Child Psychology (3)
Biological Science w/Lab (4-5)
Humanities (3)
EC 2103/2203 Mic/Macroecon (3)

FOURTH SEMESTER

ECC

Physical Science w/Lab (4-5)
ED 1032 Ele Ed Field Exp (2)
PY 2503 Adolescent Psych (3)
Humanities (3)
Physical Education (1)
MT 1113 Met/Nonmet Geom (3) **OR**
MT 1403 College Algebra (3)

Hours: (16-17)

Hours: (17)

Total hours transferable with A.A.: 64; without A.A.: 60

For additional information, contact the UM-St. Louis School of Education, 516-5937.

Please seek advisement from your ECC Academic Advisor for assurance of completion of the Associate Degree.

NOTE: IT IS IMPORTANT TO CONTACT THE UM-ST. LOUIS TRANSFER COORDINATOR EACH SEMESTER

ADDITIONAL NOTES:

Grades of C or better are required in all professional education courses. The School of Education recommends that students complete Education 111, The School in Contemporary Society, at UM-St. Louis in the summer term prior to entering the School of Education. Completion of 90 credit hours with a GPA of 2.5 or above on a 4.0 scale is required before a student is eligible to student teach.

PROFESSIONAL EDUCATION COURSE WORK

In addition to general education courses, East Central College students may take a **MAXIMUM OF 15 CREDIT HOURS** of the following courses to satisfy Professional Education Requirements:

EARLY CHILDHOOD PROFESSIONAL EDUCATION COURSES

- PE 2053 PE for Children (3)
- PY 2203 Child Psychology (3)

ELEMENTARY PROFESSIONAL EDUCATION COURSES

- *ED 1032 Field Experience (2)
- AR 2023 Art for Children (3)
- MU 2023 Music for Children (3)
- PE 2053 PE for Children (3)
- PY 2203 Child Psychology (3)

MIDDLE SCHOOL PROFESSIONAL EDUCATION COURSES

- PY 2503 Adolescent Psychology (3)
- ED 1032 Field Experience (2)

SECONDARY PROFESSIONAL EDUCATION COURSES

- PY 2503 Adolescent Psychology (3)

SPECIAL EDUCATION PROFESSIONAL EDUCATION COURSES

- *ED 1032 Field Experience (2)
- PY 2203 Child Psychology (3)
- PY 2503 Adolescent Psychology (3)

PHYSICAL EDUCATION K-12

- PY 2503 Adolescent Psychology (3)
- ED 1032 Field Experience (2)
- PY 2203 Child Psychology (3)

PHYSICAL EDUCATION K-9

- *ED 1032 Field Experience (2)
- PY 2203 Child Psychology (3)

*ECC does not offer a three (3) hour Field Experience.

Students pursuing Secondary Education degrees at UM-St. Louis may be certified to teach the following areas:

Business Education

Social Studies-Economics

Social Studies-History
English
Social Studies-History
French
Social Studies-Political Science
German
Social Studies-Psychology
Mathematics
Social Studies-Sociology
Music (follow Bachelor of Music Education requirements)
Spanish
Unified Science (Biology, Chemistry, Physics)

University of Missouri - St. Louis/Washington University Joint Undergraduate Engineering Program

The University of Missouri - St. Louis/Washington University Joint Undergraduate Engineering Program was established on December 28, 1992, to expand the opportunities for undergraduate engineering education available in the St. Louis area by combining the strengths and resources of the University of Missouri-St. Louis and Washington University. The program now offers Bachelor of Science degrees in Civil, Mechanical, and Electrical Engineering, as well as a Minor in Environmental Engineering Science.

The program is consistent with the mission of UM-St. Louis to provide high quality education that will enhance the occupational and professional careers of citizens in the entire region, including minorities and the economically disadvantaged, and to provide a well-trained, sophisticated work force for the St. Louis area. The partnership also continues Washington University's strong tradition of working with a diversity of institutions in education, government, and the private sector; it is also a way for Washington University to share its campus, resources, and personnel with the citizens of Missouri.

This joint engineering degree program is new, but it rests on solid foundations laid years ago. At the University of Missouri-St. Louis, a pre-engineering curriculum has been in place for well over a decade. At Washington University, the School of Engineering and Applied Science has had over 100 years of experience in engineering education and research. By working together in a unique public/private partnership, the two universities offer an innovative degree path found nowhere else in the country.

Students who enter the program will take about one-half of the course work required for their engineering degrees -- mathematics, physics, chemistry, humanities, and social sciences, and some elementary engineering subjects -- on the campus of East Central College. The remaining half of the degree program, consisting of 66-72 semester hours in upper-level engineering courses and

laboratories, is offered in the evening on the campus of Washington University and taught by Washington University engineering faculty members. At Washington University, the excellent laboratory facilities and equipment are extensively used by the roughly 1,000 full-time undergraduate engineering students during the daytime hours. However, the same facilities remain virtually unused by Washington University students in the evening hours. The Joint Undergraduate Engineering Program makes these facilities available in the evening to students in civil, electrical, and mechanical engineering. Students register for all their upper-level engineering courses at UM-St. Louis and pay educational fees at UM-St. Louis rates.

Each upper-division student has an engineering faculty advisor at Washington University. Students have access to a wide range of facilities and services on the Washington University campus, as well as to the full range of facilities and services at UM-St. Louis. In addition to classrooms and laboratories, students in this program rely on the Washington University library system, engineering computing facilities, and engineering placement offices. Students receive their undergraduate engineering degrees from the University of Missouri.

**UNIVERSITY OF MISSOURI-ST. LOUIS / WASHINGTON UNIVERSITY
JOINT UNDERGRADUATE ENGINEERING PROGRAM**

Bachelor of Science in ELECTRICAL ENGINEERING
Bachelor of Science in MECHANICAL ENGINEERING
Bachelor of Science in CIVIL ENGINEERING

East Central College	Description	UM-St. Louis	Credit Hours
MT 1605	Calculus I	MATH 80	5
MT 2105	Calculus II	MATH 175	5
MT 2205	Calculus III	MATH 180	5
MT 2303	Differential Equations	MATH 202	3
CH 1303 & 1312	General Chemistry I	CHEM 11	5
CH 1403 & 1412	General Chemistry II	CHEM 12	5
PH 2103 & 2112	General Physics I	PHY 111	5
PH 2203 & 2212	General Physics II	PHY 112	5
EG 2003	Engineering Mechanics - Statics	ENGR 144	3
EG 2103	Engineering Mechanics - Dynamics	ENGR 145	3
EG 2203 & 2211	C++ Programming for Engineers	CS 125	3
EN 1223	College Composition I	ENG 10	3

If you wish to take **EG 2303, Circuit Theory**, at East Central College and transfer to the Joint Undergraduate Engineering Program, you should consult with your advisor for details.

Humanities and Social Sciences Electives. The student's choice of humanities and social sciences electives must meet both the UM-St. Louis General Education Requirement, and the Humanities and Social Sciences Requirements of the Joint Undergraduate Engineering Program, as specified by the Engineering Accreditation Commission of the Accreditation Board for Engineering and Technology (ABET). Check with your advisor for details. In general:

A total of 9 credit hours of humanities and 9 credit hours of social sciences are required.

Three courses must be in one area (discipline), including at least one course at the junior level or higher, taken at a four-year institution.

A state-required course in American history or government, or in Missouri history or government must be included.

A course to fulfill the cultural diversity requirement must be included.

Some courses that fulfill the humanities or social science breadth of study requirements do not count as Humanities or Social Science electives under ABET requirements; an example would be a statistics course taught in economics or psychology. See the Office of the Joint Undergraduate Engineering Program for a listing of courses that do not count as Humanities or Social Sciences electives in this program, or check with your advisor.

A minimum grade of C- is necessary to meet the prerequisite requirements for any course at UM-St. Louis. A 2.75 minimum GPA is required over all mathematics, chemistry, physics, and introductory engineering courses (Statistics, Dynamics, and Engineering Graphics) for admission to the Joint Program.