

FOR Mineral Area College

Bachelor of Science (Technology Management)

Students are encouraged to complete the Associate of Arts degree or the 42-hour general education block at Mineral Area College (MAC), as either waives the lower-level University Studies (general education) requirements at Southeast. Consult with an advisor at MAC regarding requirements for the 42-hour block or the AA degree.

The following lower-level (100-200) core/support courses are required for the Technology Management major and can be taken at MAC.

MINERAL AREA COLLEGE			SOUTHEAST MISSOURI STATE UNIVERSITY	
CSC1500	Basic Programming	>	MN260	Technical Computer Programming Appl
ENG1330	English Composition I	>	EN100	English Composition
MAT1230	College Algebra	>	MA134	College Algebra
MAT1330	Trigonometry	>	MA133	Plane Trigonometry
PHS1250	Introductory Chemistry	>	CH181	Basic Principles of Chemistry
PHS1130	Physical Science	>	PH106	Physical Concepts
PHS1420	College Physics I	>	PH120	Introductory Physics I
PHS1440	College Physics II	>	PH121	Introductory Physics II
SOC1600	Ethnicity & Cultural Differences in America	>	SW207	Understanding Culture & Social Diversity
TEC1040	Technical Writing	>	IM102	Technical Communication
TEC1580	Quality Control & Testing Fundamentals	>	IM311	Statistical Process Control

1. CSC1500 transfers as IS130. Requires substitution by advising office.
2. Courses taken at MAC that are equivalent to a 3xx-5xx level course at Southeast will not count toward the 39 hours of upper-level coursework that is required to graduate from Southeast. Students may want to consider taking IM311 from Southeast.
3. Required courses in the major that also meet University Studies categories include MA134 (Logical Systems), PH106 or PH120 (Physical Systems), and SW207 (Social Systems).

Computer & Multimedia Graphics option (requires CH181 and PH106)

ART1550	Beginning Photography	>	PG284	Photography Fundamentals
CIS1620	A+ Computer Repair & Maintenance	>	TN255	Microcomputer Maintenance & Troubleshooting
CIS1780	Illustrator I	>	GM180	Intro to Technical Graphics
CIS2400	Web Page Development	>	GM320	Graphic User Interface Design

1. Courses taken at MAC that are equivalent to a 3xx-5xx level course at Southeast will not count toward the 39 hours of upper-level coursework that is required to graduate from Southeast. Students may want to consider taking GM320 from Southeast.
2. Required courses in the major that also meet University Studies categories include PG284 (Artistic Expression), MA134 (Logical Systems), MN220 (Economic Systems), PH106 (Physical Systems), and SW207 (Social Systems).

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Construction Management & Design option (requires CH181 and PH120)

MAT1600	Calculus for Business and Social Science	>	MA139	Applied Calculus
TEC1200	Architectural Design and Drafting	>	CM226	Resident Architecture Drafting & Design
TEC1400	Machine Design	>	MN219	Statics & Strength of Materials
TEC1520	Construction Methods & Estimating	>	CM243	Construction Methods & Materials
TEC1540	Surveying I	>	CM343	Construction Surveying & Testing
TEC1740	Mechanical & Electrical Systems	>	CM325	Building Mechanical & Electrical Systems

1. Courses taken at MAC that are equivalent to a 3xx-5xx level course at Southeast will not count toward the 39 hours of upper-level coursework that is required to graduate from Southeast. Students may want to consider taking CM343 and CM325 from Southeast.

2. Required courses in the major that also meet University Studies categories include MA134 (Logical Systems), MN220 (Economic Systems), PH120 (Physical Systems), and SW207 (Social Systems).

Facilities Management & Sustainability option (requires CH181 and PH120)

MAT1600	Calculus for Business and Social Science	>	MA139	Applied Calculus
TEC1200	Architectural Design and Drafting	>	CM226	Resident Architecture Drafting & Design

Required courses in the major that also meet University Studies categories include MA134 (Logical Systems), MN220 (Economic Systems), PH120 (Physical Systems), and SW207 (Social Systems).

Industrial & Safety Management option (requires CH181 and PH120)

EEE1500	Basic Electronics	>	ET160	Basic Electricity and Electronics
EEE1970	Programmable Logic Controllers	>	ET304	Fundamentals of Programmable Logic Controllers
MAT1600	Calculus for Business and Social Science	>	MA139	Applied Calculus
TEC1160	Machine Shop II	>	MN203	Industrial Materials & Processes I
TEC1320	Advanced Computer Aided Design/Drafting	>	MN120	Computer Aided Engineering Graphics
TEC1600	Materials Analysis	>	MN170	Engineering Materials & Testing
TEC1790	Basic Numerical Control Programming	>	MN304	Industrial Materials & Processes II

1. Courses taken at MAC that are equivalent to a 3xx-5xx level course at Southeast will not count toward the 39 hours of upper-level coursework that is required to graduate from Southeast. Students may want to consider taking ET304 and MN304 from Southeast.

2. Required courses in the major that also meet University Studies categories include MA134 (Logical Systems), MN220 (Economic Systems), PH120 (Physical Systems), and SW207 (Social Systems).

Sustainable Energy Systems Management option (requires CH181 and PH120)

EEE1500	Basic Electronics	>	ET160	Basic Electricity and Electronics
MAT1600	Calculus for Business and Social Science	>	MA139	Applied Calculus

Required courses in the major that also meet University Studies categories include MA134 (Logical Systems), MN220 (Economic Systems), PH120 (Physical Systems), and SW207 (Social Systems).

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Telecommunications and Computer Networking option (requires PH120 and PH121)

CIS1620	A+ Computer Repair & Maintenance	>	TN255	Microcomputer Maintenance & Troubleshooting
CIS1680	Fundamentals of Network Security	>	TN435	Network Security
CIS1870	Internetworking I	>	TN275	Network Fundamentals
CIS1890	Internetworking II	>	TN375	Network Routing Protocols & Concepts
CIS2670	Internetworking III	>	TN563	LAN Switching
EEE1500	Basic Electronics	>	ET160	Basic Electricity & Electronics
MAT1600	Calculus for Business and Social Science	>	MA139	Applied Calculus

Courses taken at MAC that are equivalent to a 3xx-5xx level course at Southeast will not count toward the 39 hours of upper-level coursework that is required to graduate from Southeast. Students may want to consider taking TN435, TN375, and TN563 from Southeast.

Information on admission to Southeast is available from the Office of Admissions at www.semo.edu/admissions, (573) 651-2590 or admissions@semo.edu.

To verify transferability of other courses to Southeast, students may access



at portal.semo.edu

Mineral Area College Courses Which Meet University Studies Requirements at Southeast Missouri State University

Students who complete an AA degree or the 42-hour general education block from MAC have completed the lower-level University Studies (general education) courses at Southeast. For the student planning to transfer to Southeast without completing the AA degree or 42-hour general education block, the following courses taken at MAC meet University Studies requirements at Southeast. Some majors will require specific University Studies courses to meet degree requirements.

ENGLISH COMPOSITION

- ENG1330 English Composition I

ARTISTIC EXPRESSION

(Choose ONE Course)

- ART1530 Introduction to Humanities
- ART1550 Beginning Photography
- MSC1801 Appreciation of Music
- MSC1811 Appreciation of Jazz
- THE1000 Introduction to Theatre
- THE1040 Beginning Acting

LITERARY EXPRESSION

(Choose ONE Course)

- ENG1570 Introduction to Literature: Prose & Poetry
- ENG2330 English Literature I
- ENG2340 English Literature II
- ENG2430 American Literature I
- ENG2440 American Literature II
- ENG2460 Readings in Short Fiction
- ENG2490 Literature of the American South
- ENG2492 Women's Literature
- ENG2500 Multi-Cultural Literature
- ENG2530 Young Adult Literature
- ENG2580 Poetry and the Human Experience
- MFL2140 French Reading
- MFL2480 German Reading
- PHI1400 Introduction to Philosophy

ORAL EXPRESSION (Choose ONE Course)

- ENG1440 Public Speaking
- ENG1670 Interpersonal Communications I
- MFL1170 Elementary French
- MFL1270 Intermediate French
- MFL1370 Elementary Spanish I
- MFL1470 Elementary Spanish II
- MFL1560 German Language and Culture I
- MFL2130 French Composition & Conversation
- MFL2230 Intermediate Spanish I
- MFL2460 German Language and Culture II

WRITTEN EXPRESSION

- ENG1340 English Composition II

BEHAVIORAL SYSTEMS

(Choose ONE Course)

- EDU1100 Psychology of Adolescence
- EDU1300 Child Development
- PHI1420 Introduction to Ethics
- PSY1130 General Psychology
- PSY1250 Human Growth and Development

LIVING SYSTEMS (Choose ONE Course)

- AGR1120 Animal Science (taken Fall 2013 or later)
- AGR1230 Plant Science (taken Fall 2013 or later)
- BIO1100 Introduction to Biological Science
- BIO1150 General Biology
- BIO2112 General Botany
- BIO2122 General Zoology
- BIO1430 Environmental Science

LOGICAL SYSTEMS (Choose ONE Course)

- MAT1230 College Algebra
- MAT1530 Foundations of Mathematics
- MAT1600 Calculus for Business & the Social Sciences
- MAT1650 Analytic Geometry & Calculus I

PHYSICAL SYSTEMS

(Choose ONE Course)

- PHS1130 Physical Science
- PHS1250 Introductory Chemistry
- PHS1350 General Chemistry I
- PHS1420 College Physics I
- PHS2230 General Physics I
- PHS2400 Earth Science

DEVELOPMENT OF A MAJOR

CIVILIZATION (Choose ONE Course)

- HIS1100 World Civilization I
- HIS1130 Western Civilization I
- HIS1140 American History I
- HIS1240 American History II
- HIS1360 Latin American History
- HIS1520 World Civilization II

ECONOMIC SYSTEMS

(Choose ONE Course)

- BUS1330 Survey of Economics
- BUS2930 Principles of Macroeconomics
- BUS2940 Principles of Microeconomics

POLITICAL SYSTEMS

- POS1180 American Political Systems

SOCIAL SYSTEMS (Choose ONE Course)

- COM1000 Introduction to Mass Media
- GEO1130 Regional World Geography
- PED2820 Sport and Society
- PHI1410 Comparative Religion
- SOC1130 General Sociology
- SOC1600 Ethnicity and Cultural Differences in America
- SOC1620 Human Diversity



at portal.semo.edu

Additional courses, such as new courses or course numbers no longer in use, may satisfy University Studies requirements. Refer to the online "Transfer Course Conversion" to verify transferability of other courses to Southeast.

Office of the Registrar

(573) 651-2250 • registrar@semo.edu • www.semo.edu/registrar

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