

## FOR Three Rivers College

### Bachelor of Science (Engineering Technology)

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

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

THREE RIVERS COLLEGE		SOUTHEAST MISSOURI STATE UNIVERSITY	
CHEM111	Introductory Chemistry	>	CH181 Basic Principles Chemistry
IST125 or MAFT267	Visual Basic Programming or Automated Manufacturing Systems	>	MN260 Technical Computer Programming
ENGL111	College Writing	>	EN100 English Composition
MAFT228	Quality Assurance Fundamentals	>	IM311 Statistical Process Control
MAFT229	Intro to Safety & Health Programs	>	IM301 Industrial Safety
MAFT255	Hydraulics & Pneumatics	>	MN383 Fluid Power
MAFT258	Engineering Economy	>	MN220 Engineering Economic Analysis
MATH164	Trigonometry	>	MA133 Plane Trigonometry
MATH163	College Algebra	>	MA134 College Algebra
MATH171	Calculus & Analytic Geometry I	>	MA140 Analytic Geometry & Calculus I

1. IST125 transfers as IS130. Requires substitution by advising office.
2. Courses taken at TRC that are equivalent to a 3xx-5xx level course at Southeast will not count towards the 39 hours of required upper level coursework that is required to graduate from Southeast. Students may consider taking IM301, IM311, and MN383 from Southeast.
3. Required courses in the major that also meet University Studies categories includes MA134 (Logical Systems), MN220 (Economic Systems), PH120 (Physical Systems), and SW207 (Social Systems).

#### Electrical & Control option

ELEC117	Industrial Electronic Controls	>	ET365 Industrial Electrical Power
ELEC216	Programmable Controller Systems	>	ET304 Fundamentals of Programmable Logic Controllers

Courses taken at TRC that are equivalent to a 3xx-5xx level course at Southeast will not count towards the 39 hours of required upper level coursework that is required to graduate from Southeast. Students may consider taking ET365 and ET304 from Southeast.

### Mechanical & Manufacturing Systems option

ELEC115	Applied DC & AC Circuits	>	ET160	Basic Electricity & Electronics
MAFT117	Machine Shop II	>	MN203	Industrial Materials & Processes I
MEDR246	Computer Aided Machining	>	MN354	Computer Aided Manufacturing
MEDR237 or ENGR110	Mechanical CAD or Engineering Graphics	>	MN120	Fundamentals of Engineering Design Process

*Courses taken at TRC that are equivalent to a 3xx-5xx level course at Southeast will not count towards the 39 hours of required upper level coursework that is required to graduate from Southeast. Students may consider taking MN354 from Southeast.*

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

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



# Three Rivers College Courses Which Meet University Studies Requirements at Southeast

Students who complete as AA degree or the 42-hour general education block from TRC 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 TRC meet University Studies requirements at Southeast. Some majors will require specific University Studies courses to meet degree requirements.

## ENGLISH COMPOSITION

- ENGL111 College Writing

## ARTISTIC EXPRESSION

(Choose ONE Course)

- ARTS123 History and Appreciation of Art
- FILM122 History and Appreciation of Film
- MUSC123 History and Appreciation of Music
- MUSC141 Theory I, Harmony
- THEA120 History and Appreciation of Theater

## LITERARY EXPRESSION

(Choose ONE Course)

- EDUC250 Children's Literature
- ENGL210 – Intro to Literature
- ENGL221 World Literature to 1600
- ENGL222 World Literature Since 1600
- ENGL223 Classical Mythology
- ENGL231 English Literature to 1798
- ENGL233 Shakespeare
- ENGL232 English Literature Since 1798
- ENGL241 American Literature to 1870
- ENGL242 American Literature Since 1870
- ENGL281 Introduction to Old Testament Literature
- ENGL282 Introduction to New Testament Literature
- MUSC222 Music Literature II
- PHIL200 Introduction to Philosophy
- PHIL223 Intro to Biblical Studies

## ORAL EXPRESSION (Choose ONE Course)

- SPAN101 Elementary Spanish I
- SPAN102 Elementary Spanish II
- SPAN201 Intermediate Spanish
- ISCOM110 Public Speaking
- SCOM210 – Interpersonal Communications

## WRITTEN EXPRESSION

- ENGL112 Adv. College Writing

## BEHAVIORAL SYSTEMS

(Choose ONE Course)

- PHIL233 Ethics
- PSYC111 General Psychology
- PSYC223 Child Psychology
- PSYC233 Adolescent Psychology
- PSYC243 Human Development Across the Life Span

## LIVING SYSTEMS (Choose ONE Course)

- BIOL100 Survey of Biological Principles
- BIOL101 General Biology
- BIOL102 Environmental Science
- BIOL110 Human Biology
- BIOL190 Biology for Majors
- BIOL211 General Botany
- BIOL221 General Zoology

## LOGICAL SYSTEMS (Choose ONE Course)

- MATH131 Mathematics for Elementary Teachers
- MATH161 College Mathematics
- MATH163 College Algebra
- MATH170 Applied Calculus
- MATH171 Analytic Geometry and Calculus I

## PHYSICAL SYSTEMS (Choose ONE Course)

- PHYS101 Physical Science
- PHYS211 General Physics
- CHEM111 Introductory Chemistry
- CHEM121 General Chemistry I

## DEVELOPMENT OF A MAJOR CIVILIZATION (Choose ONE Course)

- HIST111 American History to 1877 \*
- HIST112 American History Since 1877 \*
- HIST121 Western Civilization to the Renaissance
- HIST122 Western Civilization Since the Renaissance

## ECONOMIC SYSTEMS

(Choose ONE Course)

- ECON211 Principles of Macroeconomics
- ECON212 Principles of Microeconomics
- MAFT258 Engineering Economy
- VALU161 Values, Economics, and Decisions
- VALU190 World Foods and Society

## POLITICAL SYSTEMS (Choose ONE Course)

- GOVT121 National and State Government

## SOCIAL SYSTEMS (Choose ONE Course)

- GEOG111 Regional World Geography I
- GEOG112 Regional World Geography II
- MCOM101 Mass Communication and Society
- PHIL243 Religions of the World
- SOCI111 General Sociology
- SOCI221 Race and Ethnicity



at [portal.semo.edu](http://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](mailto:registrar@semo.edu) • [www.semo.edu/registrar](http://www.semo.edu/registrar)

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