

FOR Three Rivers College

Bachelor of Science (Engineering Physics)

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 Physics major and can be taken at TRC.

THREE RIVERS COLLEGE			SOUTHEAST MISSOURI STATE UNIVERSITY	
PHYS211	General Physics I	>	PH230	General Physics I
PHYS212	General Physics II	>	PH231	General Physics II
MATH171	Analytic Geometry & Calculus I	>	MA140	Analytic Geometry & Calculus I
MATH271	Analytic Geometry & Calculus II	>	MA145	Analytic Geometry & Calculus II
MATH272	Analytic Geometry & Calculus III	>	MA240 and MA245	Analytic Geometry & Calculus II and Vector Calculus
CHEM121	General Chemistry I	>	CH185	General Chemistry I

A grade of C or better is required in prerequisite courses in order to advance in the sequence. 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

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

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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