

## FOR Three Rivers College

### Bachelor of Science in Education (Physics Education)

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 Physics Education major and can be taken at TRC.

THREE RIVERS COLLEGE		SOUTHEAST MISSOURI STATE UNIVERSITY	
PHY211	General Physics I	>	PH230 General Physics I
PHY212	General Physics II	>	PH231 General Physics II
MATH171	Calculus I	>	MA140 Analytic Geometry & Calculus I
MATH271	Calculus II	>	MA145 Analytic Geometry & Calculus II
MATH272	Calculus III	>	MA240 <b>and</b> MA245 Analytic Geometry & Calculus III <b>and</b> Vector Calculus
CHEM121	General Chemistry I	>	CH185 General Chemistry
CHEM122	General Chemistry II	>	CH186 Foundations of Inorganic Chemistry
EDUC201	Teaching Profession w/Field Experience	>	ED250 Intro to Teaching
EDUC 230	Foundations of Education	>	EF304 School & Society
ENGL111	College Writing	>	EN100 English Composition
ENGL112	Advanced College Writing	>	EN140 Rhetoric & Critical Thinking
HIST111 <b>or</b> HIST112	American History To 1877 <b>or</b> American History Since 1877	>	US105 American History I
MATH163	College Algebra	>	MA134 College Algebra
PSYC233	Adolescent Psychology	>	PY222 Development of the Adolescence
GOVT121	National And State Government	>	PS103 U S Political System
SCOM110	Public Speaking	>	SC105 Fundamental of Oral Communication

Take one course for Physics Education Option or all three courses for Unified Science Option

BIOL100	Survey of Biology	>	BS108 Biology for Living
BIOL211	General Botany	>	BO200 Plant Biology
BIOL221	General Zoology	>	ZO200 Animal Biology

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](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



at [portal.semo.edu](http://portal.semo.edu)

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

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
- SCOM110 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)

- AGRI120 Plant Science (taken Fall 2013 or later)
- AGRI130 Animal Science (taken Fall 2013 or later)
- 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



**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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