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 Jefferson College (JC), as either waives the lower-level University Studies (general education) requirements at Southeast. Consult with an advisor at JC 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 JC.

<table>
<thead>
<tr>
<th>JEFFERSON COLLEGE</th>
<th>SOUTHEAST MISSOURI STATE UNIVERSITY</th>
</tr>
</thead>
<tbody>
<tr>
<td>EDU210</td>
<td>EF304 School &amp; Society</td>
</tr>
<tr>
<td>EDU230</td>
<td>ED250 Intro to Teaching</td>
</tr>
<tr>
<td>ENG101</td>
<td>EN100 English Composition</td>
</tr>
<tr>
<td>ENG102</td>
<td>EN140 Rhetoric &amp; Critical Thinking</td>
</tr>
<tr>
<td>HIS103 or HIS104</td>
<td>US105 or US107 American History I or American History II</td>
</tr>
<tr>
<td>MTH180</td>
<td>MA140 Analytic Geometry &amp; Calculus I</td>
</tr>
<tr>
<td>MTH185</td>
<td>MA145 Analytic Geometry &amp; Calculus II</td>
</tr>
<tr>
<td>MTH201</td>
<td>MA240 and MA245 Analytic Geometry &amp; Calculus III and Vector Calculus</td>
</tr>
<tr>
<td>MTH205</td>
<td>MA350 Differential Equations</td>
</tr>
<tr>
<td>PHY223</td>
<td>PH230 General Physics I</td>
</tr>
<tr>
<td>PHY224</td>
<td>PH231 General Physics II</td>
</tr>
<tr>
<td>PSC102</td>
<td>PS103 U.S. Political System</td>
</tr>
<tr>
<td>PSY202</td>
<td>PY222 Development of Adolescence</td>
</tr>
<tr>
<td>SPD105</td>
<td>SC105 Fundamental of Oral Communication</td>
</tr>
</tbody>
</table>

1. EF304 will not apply to the 39 hours of upper-level courses required to graduate from Southeast but enough other upper-level courses are built into the program.
2. MTH205/MA350 is not required but encouraged.
3. Required courses in the major that also meet University Studies categories include SC105 (Oral Communication), PY222 (Behavioral Systems), MA134 (Logical Systems), CH181 (Physical Systems), US105 or US107 (Development of Major Civilization), PS103 (Political Systems), and SE275 (Social Systems).

A grade of C or better is required to advance in the sequence. For more information on the College of Education and degree requirement see [www.semo.edu/cea](http://www.semo.edu/cea)

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.
Jefferson 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 JC 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 JC meet University Studies requirements at Southeast. Some majors will require specific University Studies courses to meet degree requirements.

**ENGLISH COMPOSITION**
(Choose ONE Course)
- ENG101 English Composition I
- ENG101H Honors Composition I

**ARTISTIC EXPRESSION**
(Choose ONE Course)
- ART101 Art Appreciation
- ART112 Introduction to Art
- ENG122 Film Appreciation: Intro to Cinema
- MSC101 Fundamentals of Music
- MSC103 Music Theory I
- MSC131 Appreciation of Music
- MSC133 Jazz Appreciation
- MSC137 World Music
- SPD120 Introduction to the Theatre
- SPD120H Honors Intro to Theatre
- SPD130 Beginning Acting

**LITERARY EXPRESSION**
(Choose ONE Course)
- ENG105 Literary Types: Poetry/Short Story
- ENG108 Literary Types: Drama/Short Novel
- ENG143 Literature for Children
- ENG215 World Literature: Before 1650
- ENG215H Honors World Literature
- ENG216 World Literature: After 1650
- ENG216H Honors World Literature: After 1650
- ENG225 English Literature: Before 1800
- ENG226 English Literature: After 1800
- ENG228 American Literature: Before 1865
- ENG229 American Literature: After 1865
- ENG235 The Shakespeare Plays
- ENG235H Honors Shakespeare
- ENG250 Mythology
- ENG250H Honors Mythology
- ENG255H Honors Literary Types: Poetry
- FRN253 French Reading
- PHL102 Introduction to Philosophy
- PHL102H Honors Introduction to Philosophy
- SPN253 Spanish Reading

**ORAL EXPRESSION**
(Choose ONE Course)
- FRN101 Beginning French
- FRN102 Intermediate French
- FRN201 French Grammar and Composition
- GRM101 Beginning German
- GRM102 Intermediate German
- SPN101 Beginning Spanish
- SPN102 Intermediate Spanish
- SPN201 Spanish Grammar and Composition
- SPD105 Fundamentals of Oral Communication
- SPD105H Honors Oral Communication
- SPD175 Public Speaking

**WRITTEN EXPRESSION**
(Choose ONE Course)
- ENG102 English Composition II
- ENG102H Honors Composition II

**BEHAVIORAL SYSTEMS**
(Choose ONE Course)
- PHL202 Ethics
- PHL202H Honors Ethics
- PSY101 General Psychology
- PSY101H Honors General Psychology
- PSY201 Child Development
- PSY202 Adolescent Psychology
- PSY205 Human Development

**LIVING SYSTEMS**
(Choose ONE Course)
- BIO101 General Biology
- BIO101H Honors General Biology
- BIO102 Concepts in Biology
- BIO109 Ecology and Environment Conservation
- BIO205 General Botany
- BIO206 General Zoology

**PHYSICAL SYSTEMS**
(Choose ONE Course)
- CHM101 Introductory Chemistry
- CHM111 General Chemistry I
- CHM111H Honors General Chemistry I
- PHY101 Survey of Physical Science
- PHY106 Introduction to Astronomy
- PHY108 Technical Physics
- PHY111 Elementary College Physics I
- PHY223 General Physics I

**DEVELOPMENT OF A MAJOR CIVILIZATION**
(Choose ONE Course)
- HST103 U.S. History I to Reconstruction
- HST103H Honors U.S. History to Reconstruction
- HST104 U.S. History II from Reconstruction
- HST104H Honors U.S. History from Reconstruction
- HST201 Ancient & Medieval Civilization
- HST202 Renaissance to Modern Europe
- HST210 Asian Civilization

**ECONOMIC SYSTEMS**
(Choose ONE Course)
- ECO100 Introduction to Economics
- ECO101 Macroeconomics
- ECO102 Microeconomics

**POLITICAL SYSTEMS**
(Choose ONE Course)
- PSC102 U.S. and Missouri Governments and Constitutions
- PSC102H Honors U.S. and Missouri Governments and Constitutions

**SOCIAL SYSTEMS**
(Choose ONE Course)
- ENG110 Journalism I
- GEO103 World Regional Geography
- PHL201 World Religions
- SOC101 General Sociology

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

Updated 10/9/12