PHYSICS EDUCATION, ASSOCIATE IN SCIENCE

College(s): DA, HW, KK, MX, OH, TR, WR
Program Code: 0211

Pathway
The Physics Education pathway begins your preparation to teach physics to high school students. Physics teachers are also required to earn a bachelor’s degree from an accredited program and obtain a Professional Educators License with a Physics endorsement from the Illinois State Board of Education. Get started now by earning your associate degree from City Colleges, transfer to a four-year teacher certification program as a junior, and start a career in physics education.

This is an example course sequence for students interested in pursuing Physics Education. This does not represent a contract, nor does it guarantee course availability. If this pathway is followed as outlined, you will earn an Associate in Science (AS) degree. One course will satisfy the Human Diversity (HD) requirement, and is labeled with an (HD) in the sequence below. Following this pathway will help you get your associate degree, which will increase your chances of transfer to Bachelor’s-level programs of study. Choose Illinois Articulation Initiative (IAI) courses to fulfill general education requirements whenever possible. Visit www.itransfer.org (http://www.itransfer.org) and speak with your college advisor to learn more about IAI.

For information regarding teaching, licensure and certification requirements for the State of Illinois, please visit www.isbe.net (http://www.isbe.net).
It is important to note that students must pass Illinois Certification Testing System (ICTS) Test of Academic Proficiency (TAP) test, or have 22 composite ACT score and minimum score of 6 on the Writing portion, or have a composite score of 1110 (evidence-based reading and writing + mathematics = 1110 or higher) and a minimum score of 26 on writing and language for entrance into four-year College of Education institutions.

Semester-by-Semester Program Plan for Full-Time Students
All plans can be modified to fit the needs of part-time students by adding more semesters.

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Hours</th>
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<tbody>
<tr>
<td><strong>Semester 1</strong></td>
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<tr>
<td>ENGLISH 101</td>
<td>Composition 1</td>
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<tr>
<td>MATH 207</td>
<td>Calculus &amp; Analytic Geometry I 1</td>
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<tr>
<td>BIOLOGY 114</td>
<td>General Education Biology 1</td>
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<tr>
<td>or BIOLOGY 115</td>
<td>or Human Biology</td>
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<td>EDUC 101</td>
<td>Introduction To Education 2</td>
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<td><strong>Hours</strong></td>
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<td><strong>Semester 2</strong></td>
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<td>ENGLISH 102</td>
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<td>MATH 208</td>
<td>Calculus &amp; Analytic Geometry II 1</td>
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<td>PHYSICS 235</td>
<td>Engineering Physics I: Mechanics &amp; Wave Motion I</td>
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<td>ANTHRO 202</td>
<td>Cultural Anthropology 1</td>
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<td><strong>Semester 3</strong></td>
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<tr>
<td>HISTORY 111 or HISTORY 112</td>
<td>History of American People To 1865 1</td>
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<tr>
<td>PHYSICS 236</td>
<td>Engineering Physics II: Electricity &amp; Magnetism 1</td>
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<tr>
<td>SPEECH 101</td>
<td>Fundamentals of Speech Communication 1</td>
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<td>Humanities course (HD) 1</td>
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<td><strong>Semester 4</strong></td>
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<tr>
<td>Fine Arts course 1</td>
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<tr>
<td>MATH 209</td>
<td>Calculus &amp; Analytic Geometry III 1</td>
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<td>Select one of the following:</td>
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<td>CHEM 201</td>
<td>General Chemistry I 2</td>
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<tr>
<td>Physics course 2</td>
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<td>POL SCI 201</td>
<td>The National Government 2</td>
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<tr>
<td><strong>Hours</strong></td>
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<td><strong>Total Hours</strong></td>
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Choose your courses with your College Advisor.