

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.

Semester 1		Hours
ENGLISH 101	Composition ¹	3
MATH 207	Calculus & Analytic Geometry I ¹	5
BIOLOGY 114 or BIOLOGY 115	General Education Biology ¹ or Human Biology	4
EDUC 101	Introduction To Education ²	3
Hours		15
Semester 2		Hours
ENGLISH 102	Composition ¹	3
MATH 208	Calculus & Analytic Geometry II ¹	5
PHYSICS 235	Engineering Physics I: Mechanics & Wave Motion ¹	5
ANTHRO 202	Cultural Anthropology ¹	3
Hours		16
Semester 3		Hours
HISTORY 111 or HISTORY 112	History of American People To 1865 ¹ or History of American People From 1865	3
PHYSICS 236	Engineering Physics II: Electricity & Magnetism ¹	5
SPEECH 101	Fundamentals of Speech Communication ¹	3
Humanities course (HD) ¹		3
Hours		14
Semester 4		Hours
Fine Arts course ¹		3
MATH 209	Calculus & Analytic Geometry III ¹	5
Select one of the following:		5
CHEM 201	General Chemistry I ²	
Physics course ²		
POL SCI 201	The National Government ²	3
Hours		16
Total Hours		61

¹ General Education Requirement

² Pathway Elective

Recommended electives may vary by transfer institution. Choose your courses with your College Advisor.

Institution-specific transfer guides and agreements can be found on CCC's transfer site (<https://www.ccc.edu/services/Pages/Transfer-Guides.aspx>).