

# MATHEMATICS EDUCATION, ASSOCIATE IN SCIENCE



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

Program Code: 0211

## Pathway

The Mathematics Education pathway begins your preparation to teach Math to high school students. Math teachers are also required to earn a bachelor's degree from an accredited program and obtain a Professional Educators License with a Math 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 math education.

This is an **example course sequence** for students interested in pursuing Mathematics 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) (<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) (<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.

Course	Title	Hours
<b>Semester 1</b>		
ENGLISH 101	Composition <sup>1</sup>	3
EDUC 101	Introduction To Education <sup>2</sup>	3
BIOLOGY 114 or BIOLOGY 115	General Education Biology <sup>1</sup> or Human Biology	4
MATH 207	Calculus & Analytic Geometry I <sup>1</sup>	5
Hours		15
<b>Semester 2</b>		
ENGLISH 102	Composition <sup>1</sup>	3
ANTHRO 202	Cultural Anthropology <sup>1</sup>	3
EDUC 102 or EDUC 103	Using Technology in The Class <sup>2</sup> or Students With Disabilities in School	3
MATH 208	Calculus & Analytic Geometry II (Or higher) <sup>1</sup>	5
Hours		14
<b>Semester 3</b>		
SPEECH 101	Fundamentals of Speech Communication <sup>1</sup>	3
HISTORY 111 or HISTORY 112	History of American People To 1865 <sup>1</sup> or History of American People From 1865	3
EDUC 203	Educational Psychology <sup>2</sup>	3
MATH 209	Calculus & Analytic Geometry III <sup>1</sup>	5
Physical Sciences course <sup>1</sup>		3
Hours		17
<b>Semester 4</b>		
POL SCI 201	The National Government <sup>2</sup>	3
Select one of the following:		3
HUM 145	Intro to Diversity/Ethnic Studies (HD) <sup>1</sup>	
Humanities course (HD)		
Fine Arts course <sup>1</sup>		3
Physical Sciences or Life Sciences course <sup>1</sup>		3

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MATH 210	Differential Equations <sup>2</sup>	3
	Hours	15
	Total Hours	61

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1

General Education Requirement

2

Pathway Elective

Choose your courses with your College Advisor.