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) 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>Semester 1</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENGLISH 101 Composition</td>
<td>3</td>
</tr>
<tr>
<td>EDUC 101 Introduction To Education</td>
<td>3</td>
</tr>
<tr>
<td>BIOLOGY 114 or BIOLOGY 115 General Education Biology or Human Biology</td>
<td>4</td>
</tr>
<tr>
<td>MATH 207 Calculus &amp; Analytic Geometry I</td>
<td>5</td>
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<tr>
<td><strong>Total</strong></td>
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<table>
<thead>
<tr>
<th>Semester 2</th>
<th>Hours</th>
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<tbody>
<tr>
<td>ENGLISH 102 Composition</td>
<td>3</td>
</tr>
<tr>
<td>ANTHRO 202 Cultural Anthropology</td>
<td>3</td>
</tr>
<tr>
<td>EDUC 102 Using Technology in The Class or EDUC 103 Students With Disabilities in School</td>
<td>3</td>
</tr>
<tr>
<td>MATH 208 Calculus &amp; Analytic Geometry II (Or higher)</td>
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<tr>
<td><strong>Total</strong></td>
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</table>

<table>
<thead>
<tr>
<th>Semester 3</th>
<th>Hours</th>
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<tbody>
<tr>
<td>SPEECH 101 Fundamentals of Speech Communication</td>
<td>3</td>
</tr>
<tr>
<td>HISTORY 111 or HISTORY 112 History of American People To 1865 or History of American People From 1865</td>
<td>3</td>
</tr>
<tr>
<td>EDUC 203 Educational Psychology</td>
<td>3</td>
</tr>
<tr>
<td>MATH 209 Calculus &amp; Analytic Geometry III</td>
<td>5</td>
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<tr>
<td>Physical Sciences course</td>
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<tr>
<td><strong>Total</strong></td>
<td><strong>17</strong></td>
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<table>
<thead>
<tr>
<th>Semester 4</th>
<th>Hours</th>
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<tbody>
<tr>
<td>POL SCI 201 The National Government</td>
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<tr>
<td>Select one of the following:</td>
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<tr>
<td>HUM 145 Intro to Diversity/Ethnic Studies (HD)</td>
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<tr>
<td>Humanities course (HD)</td>
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</tr>
<tr>
<td>Fine Arts course</td>
<td>3</td>
</tr>
<tr>
<td>Physical Sciences or Life Sciences course</td>
<td>3</td>
</tr>
<tr>
<td>Course</td>
<td>Title</td>
</tr>
<tr>
<td>----------</td>
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</tr>
<tr>
<td>MATH 210</td>
<td>Differential Equations</td>
</tr>
<tr>
<td></td>
<td>Hours</td>
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<td>Total</td>
<td>Hours</td>
</tr>
<tr>
<td>Total</td>
<td>Hours</td>
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1. General Education Requirement
2. Pathway Elective

Choose your courses with your College Advisor.