MATH 21000: Technology for the Middle/Secondary School Teacher
MATH 21010: Educational Psychology
MATH 21800: Introduction to Pedagogy and Practice
MATH 21910: Early Field Experience: Theory and Practice
MATH 22900: Second Language Acquisition: Its Nature and Meaning for Educators
MATH 23900: Educating Students with Special Needs in Diverse Classrooms
MATH 34000: Social and Cultural Foundations of Education
MATH 40800: Professional Development Seminar
MATH 40510: Pedagogy and Practice for the Mathematics Teacher
MATH 41210: Seminar in Reflective Practice
MATH 49810: Professional Seminar in Education
MATH 19210: Child Abuse Identification and Prevention
MATH 19220: Drug and Alcohol Abuse: Identification and Prevention
MATH 19230: School Violence Prevention
MATH 19240: Harassment, Bullying, and Discrimination in Schools: Prevention and Intervention
Foreign Language Proficiency: 0-6
Total Credits: 81-87

Additional Education Requirements
1. All teaching-option students must successfully complete a year of college-level study in a language other than English or demonstrate equivalent proficiency.
2. All teaching-option students must successfully complete a writing course numbered WRTG 10600 or above.
3. All teaching-option students must maintain a minimum overall G.P.A. of 3.0 as well as a G.P.A. of 3.0 in their subject area coursework.
4. Students must earn a grade of B or better in all EDUC courses in the Education Core to qualify for student teaching. A grade of B- does not qualify.
5. EDUC 49810 and EDUC 41210 constitute a full course load during the student-teaching semester. No additional courses may be taken nor can teacher candidates participate in extra-curricular activities that have the potential to affect time for teaching and preparation.
6. During the semester of student teaching, the student may not play a college sport.
7. All candidates for initial certification must successfully complete all New York State Certification tests or performance assessments required by the state for the applicant’s intended teaching certificate (type, grade levels, and subject areas).
8. The mathematics department chair and the coordinator of teacher education must approve any exceptions to the above requirements.
9. The All-College Teacher Education Unit at Ithaca College requires teacher education students, regardless of program area, to be reviewed at four programmatic transition points during their course of study. Continuation in a teacher education major is contingent upon the student successfully meeting the requirements of each transition point review; therefore, admission into one of the Ithaca College Programs is dependent on successful completion of the above requirements.

Degree Requirements
An overall average of B (3.00) or above is required in mathematics courses that are being used to fulfill the minimum course requirements for the mathematics major. Also, no more than one passing grade below C- in mathematics courses may be used.

Summary
<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>MATH</td>
<td>Calculus I</td>
<td>4</td>
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<tr>
<td>MATH</td>
<td>Calculus II</td>
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<tr>
<td>MATH</td>
<td>Math Experimentation</td>
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<td>World of Mathematics</td>
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<tr>
<td>MATH</td>
<td>Calculus III</td>
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<tr>
<td>MATH</td>
<td>Statistical Analysis</td>
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<tr>
<td>MATH</td>
<td>Linear Algebra</td>
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</tr>
<tr>
<td>MATH</td>
<td>Mathematical Reasoning with Discrete Mathematics</td>
<td>3</td>
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<tr>
<td>MATH</td>
<td>Abstract Algebra</td>
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<tr>
<td>MATH</td>
<td>Modern Geometry</td>
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<td>Junior Seminar</td>
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<tr>
<td>MATH</td>
<td>Of the 6 MATH upper-level credits, at least 3 credits at level 4; MATH 39100 cannot be used as an elective.</td>
<td>6</td>
</tr>
</tbody>
</table>

Core Education Requirements

EDUC 10200: Reading Foundations
EDUC 20200: Literacy Across the Disciplines for Middle and Secondary Education
Teacher Education Program majors at admission or upon transfer to the College *does not guarantee* that a student will be allowed to complete the program required for teaching certification. Further information can be found in the Unit-Wide Assessment Systems section of the main Department of Education catalog page.