MATH 220-1 Single-Variable Differential Calculus
MATH 220-2 Single-Variable Integral Calculus
MATH 290-1 & MATH 290-2 & MATH 290-3

<table>
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<th>Course</th>
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<tr>
<td>MATH 220-0</td>
<td>Sequences and Series</td>
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<td>MATH 230-1</td>
<td>Multivariable Differential Calculus</td>
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<td>MATH 230-2</td>
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<td>MATH 240-0</td>
<td>Linear Algebra</td>
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<td>MATH 291-1 &amp; MATH 291-2 &amp; MATH 291-3</td>
<td>MENU: Linear Algebra and Multivariable Calculus</td>
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<tr>
<td>MATH 285-1 &amp; MATH 285-3</td>
<td>MENU: Linear Algebra and Multivariable Calculus</td>
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<tr>
<td>ES_APPM 252-1 &amp; ES_APPM 252-2</td>
<td>Honors Calculus for Engineers</td>
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Students with less mathematics preparation who are admitted to the program after the first year may be required to take all or part of the first-year MMSS math sequence.

Northwestern applicants interested in the program should see Special Admission Programs (https://catalogs.northwestern.edu/undergraduate/admission/). Current students who wish to be considered for the program should complete an online application at mmss.northwestern.edu.

**Programs of Study**

- MMSS Adjunct Major (https://catalogs.northwestern.edu/undergraduate/arts-sciences/mathematical-methods-social-sciences/mmss-adjunct-major/)

Please note, MMSS students are required to take six mathematics courses/units which include: MATH 285-1, MATH 285-2, MATH 285-3, MATH 385-0, MATH 386-1, and MATH 386-2 in addition to the MMSS course list.

**MMSS Courses**

**MMSS 211-1 Social Science Theories & Meth-First Yr (1 Unit)**
Intermediate microeconomics.

**MMSS 211-2 Social Science Theories & Meth-First Yr (1 Unit)**
Game theory.

**MMSS 211-3 Social Science Theories & Meth-First Yr (1 Unit)**
Formal models in social science disciplines other than economics.

**MMSS 300-0 Foundations of Mathematical Social Science (1 Unit)**

**MMSS 311-1 Social Science Theories & Meth-2nd Yr (1 Unit)**
Advanced game theory.

**MMSS 311-2 Social Science Theories & Meth-2nd Yr (1 Unit)**
Advanced formal models in social science disciplines other than economics.

**MMSS 398-1 Senior Seminar (1 Unit)**
Senior thesis seminar.

**MMSS 398-2 Senior Seminar (1 Unit)**
Senior thesis seminar.

**MMSS 398-3 Senior Seminar (1 Unit)**
Senior thesis seminar.