**Mathematics Second Major or Minor for MMSS Students**

Students must also complete the Undergraduate Registration Requirement (https://catalogs.northwestern.edu/undergraduate/requirements-policies/undergraduate-registration-requirement/) and the degree requirements of their home school.

**Second Major in Mathematics for MMSS Majors**

A student who has completed all of the requirements for an adjunct major in Mathematical Methods in the Social Sciences (MMSS) (https://catalogs.northwestern.edu/undergraduate/arts-sciences/mathematical-methods-social-sciences/) but not a major in a social science must satisfy the ordinary requirements for the mathematics major (https://catalogs.northwestern.edu/undergraduate/arts-sciences/mathematics/mathematics-major/) to earn an additional major in mathematics. Students may not count any 300 level mathematics course toward both the MMSS adjunct major and the mathematics major.

**Third Major in Mathematics for MMSS Majors**

A student who has completed all of the requirements for an adjunct major in Mathematical Methods in the Social Sciences (MMSS) (https://catalogs.northwestern.edu/undergraduate/arts-sciences/mathematical-methods-social-sciences/) and a major in a social science will satisfy the requirements for an additional major in mathematics by

- completing
  - Course | Title
    - MATH 226-0 | Sequences and Series

- completing 1 of the following course sequences:
  - Course | Title
    - MATH 320-1 | Real Analysis
    - & MATH 320-2 | and Real Analysis
    - & MATH 320-3 | and Real Analysis
    - or MATH 321-1 | MENU: Real Analysis
    - & MATH 321-2 | and MENU: Real Analysis
    - & MATH 321-3 | and MENU: Real Analysis

- and completing 3 of the following courses:
  - Course | Title
    - MATH 300-0 | Foundations of Higher Mathematics
    - or MATH 310-2 | Probability and Stochastic Processes
    - or MATH 310-3 | Probability and Stochastic Processes
    - or MATH 311-2 | MENU: Probability and Stochastic Processes
    - or MATH 311-3 | MENU: Probability and Stochastic Processes
    - or MATH 325-0 | Complex Analysis
    - or MATH 330-1 | Abstract Algebra
    - or MATH 330-2 | Abstract Algebra
    - or MATH 330-3 | Abstract Algebra
    - or MATH 331-1 | MENU: Abstract Algebra
    - or MATH 331-2 | MENU: Abstract Algebra
    - or MATH 331-3 | MENU: Abstract Algebra

Students may not count any 300 level mathematics course toward both the MMSS adjunct major and the mathematics minor.

See the Mathematics Major (https://catalogs.northwestern.edu/undergraduate/arts-sciences/mathematics/mathematics-major/) for further information regarding Honors in Mathematics, Graduate Study in Mathematics, and Secondary Teaching Licensure in Mathematics.

**Minor in Mathematics for MMSS Majors**

A student who has completed all of the requirements for an adjunct major in Mathematical Methods in the Social Sciences (MMSS) (https://catalogs.northwestern.edu/undergraduate/arts-sciences/mathematical-methods-social-sciences/) will satisfy the requirements for a mathematics minor by

- completing
  - Course | Title
    - MATH 226-0 | Sequences and Series

- and completing 1 of the following course sequences:
  - Course | Title
    - MATH 320-1 | Real Analysis
    - & MATH 320-2 | and Real Analysis
    - & MATH 320-3 | and Real Analysis
    - or MATH 321-1 | MENU: Real Analysis
    - & MATH 321-2 | and MENU: Real Analysis
    - & MATH 321-3 | and MENU: Real Analysis

Students may not count any 300 level mathematics course toward both the MMSS adjunct major and the mathematics minor.