

BS - (Secondary Math) Ideal 4 year plan

NOTE: This degree cannot be completed in 120 hours. The BEd in Secondary Mathematics is a 120-hour degree.

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| Fall of 1st Year MA 151 Calculus I EN 101 Freshman Composition WU 101 Washburn Experience CN 150 Speech NSD 30 hour concentration course | 17 | Spring of 1st Year MA 152 Calculus II MA 204 Number Theory/Discrete ED 155 Teaching/Learning/Leadership ED 285 Educational Psychology NSD 30 hour concentration course | 17 |
| <i>(Apply for admission to Teacher Education)</i> https://www.washburn.edu/academics/college-schools/arts-sciences/departments/education/admissions/application-form.html | | | |
| Fall of 2nd Year MA 253 Calculus III MA 301 Linear Algebra ED 165 Examining Teaching PH 220 Logic NSD 30 hour concentration course NSD 30 hour concentration course | 18 | Spring of 2nd Year MA 207 Discrete Mathematics Either MA 381 History or MA 367 Geometry ED 275 Exploring Teaching Gen Ed NatSci/NSD concentration EN 300 Advanced Composition – TEACHING EMPHASIS Gen ED Social Science | 18 |
| Summer of 2nd Year Gen Ed NatSci/NSD concentration 3 | | | |
| Fall of 3rd Year Either MA 354 Abstract or MA371 Reals (Either: MA 230 Math for Middle/Secondary School OR ED 363 Methods of Teaching Mathematics) ED 295 Experiencing Teaching ED 302 Exceptional Learners MA 316/317/318/380 or 388 (1 st course) MA 380 Problem Solving Tech (1 st time) Gen Ed NatSci/NSD concentration | 18 Or 17 | Spring of 3rd Year Either MA 381 History or MA 367 Geometry MA 140 Stats ED 395 Extending Teaching NSD 30 hour concentration course NSD 30 hour concentration course Gen ED Social Science | 18 |
| Summer of 3rd Year Gen ED Social Science 3 | | | |
| Fall of 4th Year Either MA 354 Abstract or MA371 Reals (Either MA 230 Math for Middle/Secondary School OR ED 363 Methods of Teaching Mathematics) ED 354 Curriculum and Assessment MA 316/317/318/ 380 or 388 (2 nd course) MA 380 Problem Solving Tech (2 nd time) NSD 30 hour concentration course Gen Ed Humanity | 18 or 17 | Spring of 4th Year ED 410 Secondary Student Teaching (no other classes may be taken) | 12 |
| Take PRAXIS exams: Math Subject (test 5161) between fall and spring terms; Principles of Learning and Teaching Grades 7-12 (test 5624) toward end of spring term | | | |

Disciplines within General Education Distributions
(General Education Courses are denoted in the catalog)

| Humanities | Natural Science | Social Sciences |
|---|------------------------------|------------------------------|
| Include 2 disciplines | Include 2 disciplines | Include 2 disciplines |
| English (exclude EN 100, 101, 102, 200 & 300) | Biology | Political Science |
| | Chemistry | History |
| Philosophy | Physics | Psychology |
| Religion | Astronomy | Economics |
| Communication | Geology | Sociology |
| Modern Languages | Computer | Anthropology |
| Art/Music/Theatre | (no math) | Geography |

Other requirements for the Bachelor of Science:

- 9 hours of **Social Sciences Gen Ed** courses
- 9 hours of **Humanities Gen Ed** courses with 3 hours in **AR/MU/TH**
- 9 hours of **Natural Sciences Gen Ed** courses
- 45 hours of 300 level courses (completed with required MA and ED courses)
- A 30 hour concentration from the **Natural Sciences** and Mathematics Division in departments other than the major, with at least 20 of these hours in one department. The 30 hours must be approved by the student's major department chairperson (BI 102+, PS 261+, CH 121+, AS 101+, CM 111+). **This suggested plan assumes students choose courses that satisfy both this requirement and the 9 hours of Gen Ed in Natural Sciences.**