| First Year | Second Trimester |
|------------|----------------|---|---|---|---|---|
| 77-101     | University Seminar | 1 | 44-141 | Computer Programming I | 3 |
| 10-111     | Composition I      | 3 | 10-112 | Composition II | 3 |
| 17-121     | Calculus I         | 4 | 17-222 | Calculus II | 5 |
| 62-111     | Digital Literacy   | 3 | 17-215 | Discrete Math OR Graph Theory (17-319) | 3 |
| 62-112     | Ecology of Teaching| 1 | 17-197 | Exploring Math Related Fields | 1 |
| 62-113     | Developmental Foundations | 1 | 62-114 | Intro to Curriculum and Instruction | 1 |
| 29-102     | Professional Learning Community | 1 | 62-115 | Principles of Assessment | 1 |
| Total Hours|                | 17 |        |                             | 18 |

| Second Year | First Trimester | Second Trimester |
|-------------|-----------------|----------------|---|---|---|---|
| 62-117      | Inclusive Classrooms & Positive Learn Env | 1 | 62-215 | Designing Integrated Curriculum I | 1 |
| 62-118      | Teaching is Communication | 1 | 62-239 | Developing Found of Adolescent Literacy | 1 |
| 62-119      | PLC III | 1 | 62-217 | PLC IV | 1 |
| 17-311      | Linear Algebra | 3 | 17-230 | Probability and Statistics | 3 |
| 17-390      | Transition to Proof | 3 | 17-351 | College Geometry | 3 |
| 04-102/3    | Biology & Lab   | 4 | 17-280 | Methods in Teaching with Technology | 3 |
| 34-102      | Intro to American Government & Politics | 3 | 10-220 | Intro to Literature | 3 |
| Total Hours |                | 16 |        |                             | 18 |

| Third Year  | First Trimester | Second Trimester |
|-------------|-----------------|----------------|---|---|---|---|
| 62-218      | Designing Integrated Curriculum II | 1 | 63-321 | Designing Intervention and Assessment | 1 |
| 61-270      | Classroom Management Strategies | 1 | 62-322 | Literacy Assessment and Intervention | 1 |
| 62-219      | PLC V | 1 | 61-325 | PLC VI | 1 |
| 17-415      | Modern Algebra (or 17-416) | 3 | 08-322 | Adolescent Psychology | 2 |
| 08-299      | Educational Psychology | 3 |       | Physical Sciences & Lab | 4 |
| 61-569      | Multiculturalism in Education | 3 | 17-421 | Intro to OR Applied (17-521) Analysis | 3 |
| Total Hours |                | 18 |        |                             | 17 |

| Fourth Year | First Trimester | Second Trimester |
|-------------|-----------------|----------------|---|---|---|---|
| 61-471      | Directed Teaching | 10 |       | Fine Art | 3 |
| 61-432      | Professional Capstone | 2 |       | Math Elective | 3 |
|             |                  |     |       | Social Behavioral Science | 3 |
|             |                  |     |       | 17-495 | Seminar in Math | 2 |
|             |                  |     |       | 17-497 | Connections to Teaching Math | 1 |
| Total Hours |                | 12 |        |                             | 12 |

*Students must earn a minimum total of 124 hours to complete their degree.*

This sample plan is a supplement to your Degree Audit. Consult your advisor on a regular basis for individual academic planning.
THE NORTHWEST DIFFERENCE

The math education major is an accredited program primarily focused on the skills needed for teaching secondary education as well as elementary education. Students understand the concept behind mathematical formulas and develop the tools necessary to instruct future students on those concepts.

Class sizes are small and follow a cohort model. Students learn the latest techniques and technology to effectively teach middle school and high school students, using tablets, smartboards and software programs.

CAREER OPPORTUNITIES

100% placement rate

100% of students who graduate with a degree in math education obtain employment or continue their education within six months after graduation.

Northwest’s math education program is highly respected by surrounding educators, and it is common for principals to call Northwest in search of math teachers.

*Based on self-reported data.

BEYOND THE CLASSROOM

Northwest offers field experiences that are embedded into courses and include pre-student teaching and pre-professional semesters.

Pre-student teaching is a “mini student teaching” opportunity lasting one week. Northwest faculty observe and provide feedback that prepares students for their required semester-long student teaching.

The pre-service teaching conference is an annual conference that students and faculty attend to learn new teaching methods.

Student Organizations

Northwest Student Chapter of Mathematical Association of American (MAA) promotes the interest and study of mathematics through problem-solving, meetings, lectures and social events.

Pi Mu Epsilon is a national honorary society that promotes mathematics and honors students who have excelled in the major and helps students who need assistance with their studies.