# Mathematics and Sciences in Secondary Education Specialization in Mathematics (SED-MTH)
## Two Year Degree Map

**FOOTNOTES**

1. MAT 206.5 is a combination course of Intermediate Algebra and Trigonometry and Precalculus. MAT 206.5 will satisfy the Mathematical & Quantitative Requirement.
2. BIO 210, CHE 201, PHY 110 or PHY 210 are alternative courses. Students must have passed MAT 206.5 in order to take CHE 201 or PHY 210. Any MAT 100 level or higher math course is a co-requisite of CHE 201.
3. MAT 206.5 must be passed in order to take PHY 210.
4. AST 110 (if not already taken), CHE 202, or PHY 220 are alternative options. BIO 210 and any MAT100 level or higher (excluding MAT 150.5 and MAT 161.5) must be passed in order to take CHE 202. PHY 210 must be passed in order to take PHY 220.
5. SPE 102 is an option for non-native speakers of English.
6. MAT 301 must be passed in order to take PHY 302.
7. EDU 202 is an alternative option. For EDU 202, EDU 201 must first be passed.
8. ENG 391, ENG 392, or ART 103 are alternative options.
9. Students are strongly advised to take a modern language course to satisfy the World Cultures & Global Issues requirement.
10. MAT 302 must be passed in order to take MAT 303 and MAT 315.
11. A Writing Intensive course is needed to graduate.

## Year 1

### Semester 1
- **MAT 206.5** Intermediate Algebra and Precalculus
  - 4 Credits
- **ENG 101** English Composition
  - 3 Credits
- **AST 110** General Astronomy
  - 4 Credits
- **PSY 100** Introduction to Psychology
  - 3 Credits

### Semester 2
- **MAT 301** Analytic Geometry and Calculus I
  - 4 Credits
- **ENG 201** Introduction to Literature
  - 3 Credits
- **PHY 110** General Physics
  - 4 Credits
- **EDS 201** Adolescent Development
  - 3 Credits
- **SPE 100** Fundamentals of Public Speaking
  - 3 Credits

## Year 2

### Semester 3
- **MAT 302** Analytic Geometry and Calculus II
  - 4 Credits
- **EDS 202** Special Topics in Secondary School
  - 3 Credits
- **MUS 103** Music and Western Civilization
  - 3 Credits
- **HIS 101** Western Civilization: From Ancient to Early Modern Times
  - 3 Credits
- **XXX xxx** World Cultures and Global Issues
  - 3 Credits

### Semester 4
- **MAT 303** Analytic Geometry and Calculus III
  - 4 Credits
- **MAT 315** Linear Algebra
  - 3 Credits
- **XXX xxx** Individual and Society
  - 3 Credits
- **XXX xxx** U.S. Experience in Its Diversity
  - 3 Credits

**Total: 60 Credits**