

Mathematics B.S. (Teacher Cert.) Degree Check Sheet

| Course Number | Course Name | Prerequisites | Semester Offered | Passed with "C" or better |
|----------------|---|-----------------------------|------------------|---------------------------|
| MATH 2413/2113 | Calculus I/Lab | MATH 1314 MATH 1316 | F, Sp, Sm(8) | <input type="checkbox"/> |
| MATH 2414/2114 | Calculus II/Lab | MATH 2413/2113 | F, Sp, Sm(8) | <input type="checkbox"/> |
| MATH 3404/3104 | Multivariate Calculus/Lab | MATH 2414/2114 | F, Sp | <input type="checkbox"/> |
| MATH 3425 | Foundations of Mathematics | MATH 2414 | F, Sp | <input type="checkbox"/> |
| MATH 3203 | Matrix Methods in Science and Engineering | MATH 2414 | F, Sp, Sm(8) | <input type="checkbox"/> |
| MATH 3305 | Ordinary Differential Equations | MATH 2414 | F, Sp | <input type="checkbox"/> |
| MATH 3365 | Geometric Systems | MATH 3425 | Sp | <input type="checkbox"/> |
| MATH 4160 | Senior Seminar | Must be a Senior | F, Sp | <input type="checkbox"/> |
| MATH 3336 | Abstract Algebra I | MATH 3425 | Sp | <input type="checkbox"/> |
| MATH 3345 | Analysis I | MATH 3425 | F | <input type="checkbox"/> |
| MATH 4350 | Theory of Probability | MATH 2414 MATH 3425 | F | <input type="checkbox"/> |
| MATH 3380 | Algorithms in Applied Mathematics | COSC 1336/1136 MATH 2413 | Sp | <input type="checkbox"/> |

You must take *two* of the following four courses:

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|---------------------------------------|--|------------------------------|---------------------------|--------------------------|
| MATH 4336 | Abstract Algebra II | MATH 3336 | F | <input type="checkbox"/> |
| MATH 4341 | Analysis II | MATH 3345 | Sp | <input type="checkbox"/> |
| MATH 4351 | Applied Statistics | MATH 4350 | Sp | <input type="checkbox"/> |
| MATH 4380 -OR- MATH 4342 | Modeling and Numerical Analysis -OR- Introduction to Complex Analysis | MATH 3380 -- MATH 2435 | EOF(even) EOF(odd) | <input type="checkbox"/> |

F = Fall, Sp = Spring, Sm = Summer, Sm(8) = 8-week summer, EOF = every other Fall

Notes:

All students majoring in mathematics with teacher certification must complete a program of 21 hours of education classes. See you academic advisor for the details of which classes you must take.

Teacher Certification Requirements

Need to see Virginia Fender, 566-7053, SCI 247C for education advice as soon as possible.

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| EDUC 3310 – School in the Social Setting |
| EPSY 3340 – Ed. Psych: Adolescent Dvlpment |
| EDSP 4350 – Survey of Human Exceptionalism |
| EDUC 4320 – Teaching Skills for Sec. Teaching |
| EDFB 4338 – Literacy in Content Areas |
| EDUC 4313 – Teaching Mathematics |
| EDUC 4640 – Student Teaching |
| EDUC 4057 – Student Teaching Seminar |