Math Minor Requirements for Engineering Major

For a minor in mathematics Engineering Majors must complete at least one 3-hour course in the Department of Mathematics and Statistics numbered 400 and above in addition to the mathematics courses required by the engineering department (according to major) for a total of at least 19 hours.

Students shall not be allowed credit towards a minor for D grade work.

Courses that can be used toward a minor in mathematics

- Math 415 - Introduction to Advanced Mathematics 3 hrs
- Math 451 - Computational Mathematics Using MATLAB 3 hrs
- Math 511 - Linear Algebra (if not required for your major) 3 hrs
- Math 513 - Fundamental Concepts of Algebra 3 hrs
- Math 525 - Elementary Topology 3 hrs
- Math 530 - Applied Combinatorics 3 hrs
- Math 531 - Introduction to the History of Mathematics 3 hrs
- Math 545 - Integration Techniques and Applications 3 hrs
- Math 547 - Advanced Calculus I 3 hrs
- Math 548 - Intro to Complex Variables 3 hrs
- Math 551 - Numerical Methods 3 hrs
- Math 553 - Mathematical Models 3 hrs
- Math 555 - Differential Equations I (if not required for your major) 3 hrs
- Math 615 - Number Theory 3 hrs
- Math 621 - Elementary Geometry 3 hrs
- Math 640 - Advanced Calculus II 3 hrs
- Math 655 - Differential Equations 2 3 hrs
- Math 657 - Optimization Theory 3 hrs

Math Minor Requirements for Other Majors:

For a minor in mathematics students must complete the calculus sequence:

- M242Q - Calculus I 5 hrs
- M243 - Calculus II 5 hrs
- M344 - Calculus III 3 hrs

Plus at least one additional upper-division course at a level 400 or above approved by both the Department of Mathematics and the student’s major.

Students are required to take at least one upper-division course in residence:

Students shall not be allowed credit towards a minor for D grade work.

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