

Mathematics Checklist

Ten upper-level courses in Mathematics (34 semester hours) are required of majors – eight designated and two electives.

MATH 302 Calculus II (4 cr)

MATH 303 Calculus III

MATH 304 Differential Equations

MATH 351 Fundamentals of Advanced Mathematics

MATH 353 Linear Algebra (4 cr)

MATH 401 Real Analysis (4 cr)

MATH 402 Abstract Algebra

two additional mathematics elective courses (300-level or above)

MATH 509 Senior Seminar (1 cr.) (Fall)

MATH 512 Senior Thesis (3 cr.) (Spring)

To complete the mathematics major, students must demonstrate competency in physics by passing SCIE 204 General Physics I and SCIE 205 General Physics II along with their lab components.

MATH 302 (4 cr) Calculus II	MATH 303 Calculus III	MATH 304 Differential Equations	MATH 351 Fund. of Advanced Mathematics
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MATH 353 (4 cr) Linear Algebra	MATH 401 (4 cr) Real Analysis	MATH 402 Abstract Algebra	Elective	Elective
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MATH 509 (1 cr) Senior Seminar	MATH 512 Thesis
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SCIE 204 (4cr) Physics I & Lab	SCIE 205 (4 cr) Physics II & Lab
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