

## Mathematics Minor Check List

Students wishing to minor in mathematics must have a total of 18 credit hours in Math, 9 of which must come from upper level courses. Courses marked with ⊗ are required for the minor. Any other combination of courses will satisfy the minor requirement.

Course Number	Course Name	Prerequisites	Semesters Offered
⊗ <i>Math/Hnrs 2413</i>	<i>Calculus I</i>	<i>2312</i>	<i>Fall (H), Spring, Summer</i>
⊗ <i>Math/Hnrs 2414</i>	<i>Calculus II</i>	<i>2413</i>	<i>Fall, Spring (H), Summer</i>
(H) Math 2415	Multivariate Calculus	2414	Fall (H), Spring, Summer
Math 3203*	Matrix Methods in Sci. and Engr.	2413	Fall, Spring, Summer
Math 3305	Ordinary Differential Equations	2414	Fall, Spring
Math 3351	Engineering Prob. and Stat.	2414	Fall, Spring, Summer
Math 3380	Algorithms in Applied Mathematics	2414	Spring
⊗ <i>Math 3425</i>	<i>Foundations of Mathematics</i>	<i>2414</i>	<i>Fall, Spring</i>
Math 3315	Linear Algebra	coreq. 3425	Fall
Math 3336	Abstract Algebra I	3425	Spring
Math 3345	Analysis I	3425	Fall
Math 4350	Probability Theory	3425	Fall
Math 3373	Nonlinear ODE	3425, 3305, 3315	Spring
Math 4373	Partial Differential Equations	3425, 3305, 2415	Fall (even)
Math 4336	Abstract Algebra II	3336	Fall (odd)
Math 4341	Analysis II	3345	Spring (odd)
Math 4351	Applied Statistics	4350	Spring (even)
Math 3365	Geometric Systems	3425	Spring
Math 4301	Number Theory	3425	Fall (even)
Math 4306	Topology	3425	Spring (even)
Math 4321	Combinatorics	3425	Spring (odd)
Math 4342	Introduction to Complex Analysis	2415, 3425	Fall (odd)
Math 4380	Modeling and Numerical Analysis	3380, 3425	Fall (periodically)

All courses listed below *Math 3425: Foundations of Mathematics* have a Foundations prerequisite, in addition to any other listed requirement(s).

Summer courses generally must have 10 enrolled students to be offered.

\*Math 3203: Matrix Methods in Science and Engineering is a 2 credit hour course.