

Required Courses
Mathematics and Statistics* (44 credits)
Computer Science (CS 141) (4 credits)
Physics (PH 131, and PH 132) (8 credits)
Science (BY, CM, or PH) (3 credits)
First-Year Seminar (FY 100) (1 credit)
The Clarkson Seminar (UNIV 190) (3 credits)
Knowledge Area/ University Courses (15 credits)
Free Electives** (42 credits)

*Required courses are: MA131, MA132, MA200, MA211, MA231, MA232, MA321, MA339, MA499, and STAT383, plus either MA451 or MA453. A student must also complete either the Math Option, which requires two of MA_311, MA_313, MA_314, and MA_322, or the Statistics Option, which requires STAT_381, STAT_382, STAT_384, and STAT_488

** Up to 12 credit hours of advanced (300- or 400-level) coursework in Aerospace Studies or Military Science may count toward graduation requirements. Aerospace Studies or Military Science credits at the 100 and 200 levels do not count toward the required 120 hours. Other restrictions may apply; check with the department for details.

The following is the curriculum for the Mathematics major with the Math Option; with the Statistics Option some courses in the last four semesters will be different than shown here.

Mathematics Sample Curriculum					
First Semester		Credits	Second Semester		Credits
MA 131	Calculus I	3	MA 132	Calculus	3
PH 131	Physics I	4	PH 132	Physics II	4
CS 141	Computer Science I	4	MA 200	Math Modelling & Software	3
UNIV 190	The Clarkson Seminar	3		Knowledge Area Course	3
FY 100	First-Year Seminar	1		Free Elective	3
Total		15	Total		16
Third Semester		Credits	Fourth Semester		Credits
MA 211	Discrete Math and Proof	3	MA 231	Calculus III	3
MA 232	Differential Equations	3	MA 339	Applied Linear Algebra	3
	Science Elective	3	STAT 383	Probability and Statistics	3
	Knowledge Area Course	3		Knowledge Area Course	3
	Free Elective	3		Free Elective	3
Total		15	Total		15

Fifth Semester		Credits	Sixth Semester		Credits
MA 311/ MA 313	Abstract Algebra/ Abstract Linear Algebra	3	MA 322/ MA 314	Advanced Calculus II/ Number Theory	3
MA 321	Advanced Calculus I	3	MA 451/ MA 453	Intro To Math Research/ Intro to Math Instruction	2
	Knowledge Area/ University Course	3		MA/ STAT Elective	3
	Free Elective	3		Knowledge Area/ University Course	3
	Free Elective	3		Free Elective	3
Total		15	Total		14
Seventh Semester		Credits	Eighth Semester		Credits
MA 499	Professional Experience	0		MA/ STAT Elective	3
	MA/ STAT Elective	3		Free Electives	12
	Free Electives	12			
Total		15	Total		15