

## MATHEMATICS (MATH.BS)

<u>Required Courses</u>		<u>Hrs.</u>	<u>Prereq.</u>	<u>Rec.Yr.</u>
MATH 115	Elementary Statistics	3		Fr
MATH 161	Calculus I	4	C or better in MATH 130 or placement	Fr/Soph
MATH 162	Calculus II	4	C (2.0) or better in MATH 161 Pre or coreq MATH 163	Fr/Soph
MATH 163	Technology for Calculus	1	Coreq MATH 162	Fr/Soph
MATH 223	Calculus III	4	C (2.0) or better in MATH 162; Pre or coreq MATH 163	Soph/Jr
MATH 205	Modern Geometry	3		Soph/Jr
MATH 230	Differential Equations	4	MATH 162; Pre or coreq MATH 163	Soph/Jr
MATH 240	Discrete Mathematics	3	MATH 110 or placement in 161	Soph/Jr
MATH 250	Basic Concepts of Math	3	Pre or Coreq MATH 162;	Soph/Jr
MATH 311	Applied Linear Algebra	3	Pre or coreq MATH 223	Jr/Sr
MATH 320	Algebraic Structures	3	MATH 250	Jr/Sr
MATH 341	Real Analysis I	3	MATH 250	Jr/Sr
^MATH 398	Research	3	MATH major w/Jr or Sr standing	Jr/Sr
CSCI 210	Object-Oriented Programming <u>OR</u>	3		Soph
CSCI 230	Scientific Programming	3	PHYS 152 or PHYS 162	Soph
PHYS 161	General Physics I w/Calculus <u>OR</u>	4	Pre or coreq MATH 161	Soph
PHYS 162	General Physics II w/Calculus	4	Pre or coreq MATH 161	Soph

48 total hours

^Satisfies advanced writing requirement

NAME: \_\_\_\_\_

**B.S. Degree: Mathematics Major (for students entering in Fall 2024/Spring 2025)**

In the "WHAT" column, enter the specific course number when applicable--e.g. HIST 121. In the "WHEN" column, enter the term and year in which the requirement is satisfied--e.g., sp '20.

Liberal Arts Core	
WHAT	WHEN
_____	ENGL 101* w/ C (2.0) [3 hrs]
_____	ENGL 110 w/ C (2.0) [3 hrs]
_____	COMM 211 w/ C (2.0) [3 hrs]
_____	Dept senior seminar/writing course
_____	Met by: _____ MATH 398 [3 hrs]
_____	FYEX 101 [3 hrs]
_____	FYEX 102 [1 hr]
_____	FYEX 103/104/105/106/107 [1 hr]
_____	FYEX 103/104/105/106/107 [1 hr]
_____	FYEX 401 [1 hr]
_____	Foundational Scientific Inquiry [3-4 hrs]
_____	Foundational Quantitative Analysis [3-4 hrs]
_____	Ethical/Spiritual Explor Lens (ETSP) [3 hrs]
_____	Aesthetic Expression Lens (AEXP) [3 hrs]
_____	Per & Soc Well Being Lens (PSWB) [3 hrs]
_____	Cultural Perspectives Lens (CEXP) [3 hrs]
_____	Experimental Inquiry Lens (EXIN) [3 hrs]

*No more than two lens courses may come from same departmental prefix and one lens must be taken at 300 level or above.*

37 – 39 Total semester hours

\_\_\_\_\_ 120 semester hours required for graduation

\*Enter NA (not applicable) if waived upon admission

Mathematics Major	
WHAT	WHEN
_____	MATH 115 [3 hrs]
_____	MATH 161 [4 hrs]
_____	MATH 162 [4 hrs]
_____	MATH 163 [1 hr]
_____	MATH 205 [3 hrs]
_____	MATH 223 [4 hrs]
_____	MATH 230 [4 hrs]
_____	MATH 240 [3 hrs]
_____	MATH 250 [3 hrs]
_____	MATH 311 [3 hrs]
_____	MATH 320 [3 hrs]
_____	MATH 341 [3 hrs]
_____	MATH 398 [3 hrs]
_____	CSCI 210/230 [3 hrs]
_____	PHYS 161/162 [4 hrs]
_____	48 semester hours

➤ Except in specifically approved majors, a maximum of 52 hours in an academic discipline may count toward graduation. Three hours over the limit may count to accommodate an internship in the discipline.

➤ Only six hours of any minor may overlap with the required credit hours of a student's chosen major. The overlap constraint is not applicable to courses that majors or minors MUST take in others departments.