

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
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	C or better in PHIL 105	Soph
	<u>OR</u>			
MATH 230	Differential Equations	3	MATH 162; Pre or coreq MATH 163	Soph
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; PHIL 105	Soph/Jr
MATH 310	Linear Algebra	3	Prereq MATH 162 or coreq MATH 250	Jr/Sr
MATH 320	Algebraic Structures	3	MATH 250	Jr/Sr
MATH 341	Real Analysis I	3	MATH 250	Jr/Sr
MATH 388	Special topics	3		Soph-Sr
^MATH 440	Research	3	MATH major w/senior standing	Sr
CSCI 210	Object-Oriented Programming	3		Soph
	<u>OR</u>			
CSCI 230	Scientific Programming	3	PHYS 152 or PHYS 162	Soph
PHIL 105	Critical Thinking	3		Fr
PHYS 161	General Physics I w/Calculus	4	Pre or coreq MATH 161	Soph
	<u>OR</u>			
PHYS 162	General Physics II w/Calculus	4	Pre or coreq MATH 161	Soph

50 total hours

^Satisfies advanced writing requirement

NAME: _____

B.S. Degree: Mathematics Major (for students entering in Fall 2018/Spring 2019)

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 '00.

General Education	
WHAT	WHEN
_____	ENGL 101/INDS 106* w/ C (2.0) [3 hrs]
_____	ENGL 102/INDS 102* w/ C(2.0)* [3 hrs]
_____	COMM 211/INDS 103 w/ C(2.0) [3 hrs]
	Dept senior seminar/writing course
	Met by: _____ MATH 440 [3 hrs]
_____	BIOL/CHEM/ENVS/PHSC/PHYS w/ lab [3 hrs]
	/INDS 112 [4 hrs]
_____	BIOL/CHEM/ENVS/PHSC/PHYS w/ lab [3 hrs]
	/INDS 112 [4 hrs]
_____	MATH (except 112,141,203,205)/
	PSYC 225/230/INDS 114 [3-4 hrs]
_____	RELG/INDS 111 [3-4 hrs]
_____	PHIL [3 hrs]/INDS 110 [4 hrs]
_____	INDS 120 [3 hrs]/INDS 116 [4 hrs]
_____	Any literature course/INDS 113[3 hrs]
	Fine Arts
	_____ ART (except 265)/
	DANC/MUSC/THRE/ENGL 213/
	INDS 107 [3-4 hrs]
	OR
	_____ MUSC/THRE [2 hrs]
	_____ same discipline [1 hr]
	OR
	_____ MUSC/THRE [1 hr]
	_____ same discipline [1 hr]
	_____ same discipline [1 hr]
_____	HIST 100 or 200 level except HIST 201/
	or INDS 117 [3-4hrs]
_____	CJUS/ECON/GEOG/GNST/POLS/PSYC/
	SOCI [3hrs]/INDS 104 [4 hrs]
_____	US Cultural Studies [3 hrs]/INDS 109 [4 hrs]
_____	Non-Western Cultural Studies [3 hrs]/
	INDS 108 [4 hrs]
_____	EXSC 110/120/121/130/201/240
	[3 hrs]/INDS 105 [4 hrs]
_____	120 semester hours required for graduation

Mathematics Major	
WHAT	WHEN
_____	MATH 115 [3 hrs]
_____	MATH 161 [4 hrs]
_____	MATH 162 [4 hrs]
_____	MATH 163 [1 hr]
_____	MATH 205/230 [3 hrs]
_____	MATH 223 [4 hrs]
_____	MATH 240 [3 hrs]
_____	MATH 250 [3 hrs]
_____	MATH 310 [3 hrs]
_____	MATH 320 [3 hrs]
_____	MATH 341 [3 hrs]
_____	MATH 388 [3 hrs]
_____	MATH 440 [3 hrs]
_____	CSCI 210/230 [3 hrs]
_____	PHIL 105 [3 hrs]
_____	PHYS 161/162 [4 hrs]
_____	50 semester hours

- Only six hours of any minor may overlap with the required credit hours of a student's chosen major.
- 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.
- The following limits apply when counting hours applicable toward the 120 required for graduation: 4 hours of physical activity (EXSC) and 8 hours of Music ensemble.

*Enter NA (not applicable) if waived upon admission or if completing the honors program.