

2019-20 Checklist for Bachelor of Science in Mathematics

MAJOR COURSES (56 hours)		GENERAL EDUCATION CORE (42 hours)	
	CISC 105 Introduction to Problem Solving and Algorithm Development		College Success Skills (2 hours)
	MATH 140 Statistics		OREN 105
	MATH 205 Introduction to Geometry		Communication (6 hours Composition and 3 hours COMM/SPCH required)
	MATH 220 Discrete Mathematics		ENGL 110 or validation by ACT/SAT
	MATH 225 Mathematical Reasoning		ENGL 111 or ENGH 111
	MATH 250 Mathematical Statistics (MATH 140 and 190 prerequisite)		COMM 210, 212, 220; SPCH 101
	MATH 290 Calculus II		Mathematics (3 hours)
	MATH 295 Calculus III		MATH 190 (Required for this major.)
	MATH 310 Linear Algebra		
	MATH 315 Introduction to Differential Equations		Arts and Humanities (6 hours -- 3 hours must be in literature)
	MATH 330 Number Theory		
	MATH 430 Abstract Algebra		Literature : ENGL 201, 204, 205, 217, 219, 223, 224, 225, 227, 228, 231, 250
	MATH 435 Complex Variables		Fine Arts and Humanities : ARTS 110, 204, 208; ENGL 120, HUMA 222, MUSC 101, RELG 101, 102, 201, 230; THEA 104
	MATH 440 Topology		
	MATH 460 Mathematics Seminar		
	Choose three of the courses of the following:		Natural Science (4 hours -- lab required)
	CISC 310 Network Fundamentals and Programming		
	CISC 460 Intro to Algorithms (CISC 210 prerequisite)		BIOL 105, 110, 251; CHEM 101, EVSC 111, GEOL 101, NSCI 105, PHYS 201
	MATH 255 Introduction to GIS & R Software		
	MATH 325 Mathematical History		Behavioral Wellness & Social Sciences (6 hours; may use only 3 credits from the wellness area)
	MATH 340 Intro to Combinatorics and Graph Theory		
	MATH 355 Introduction to Probability		Social Science : BUSN 201, 202, 208; CRJU 105, GEOG 200, POLS 210, 220; PSYC 101, 206, 207; SOCI 101, 105
	MATH 410 Partial Differential Equations		Wellness : PHED 201, PSYC 102
	Required General Education course		
	MATH 190 Calculus I		History (6 hours)
			HIST 101, 102, 201, 202; HIST/POLS 280
			Religious Studies (3 hours) - If a RELG course was taken for the Arts & Humanities requirement (above), choose another here.
	Mathematics Minor (17-18 hours)		
	MATH 190 Calculus I		RELG 101, 102, 201, 230
	MATH 290 Calculus II		
	Plus one MATH course at MATH 140 or higher		Civic Studies (3 hours)
	1		CIVS 223, CIVS 251; POLS 110, 230
	Plus two MATH courses at MATH 220 or higher		
	1		Arts and Lecture Series (no credit hours)
	2		Attended ____ of ____ required Arts & Lecture events
TUSCULUM UNIVERSITY RESERVES THE RIGHT TO REVISE ACADEMIC PROGRAMS AS DEEMED NECESSARY			

Major Courses: 56.00 hrs
General Education Core: 42.00 hrs
Elective Hours: 22.00 hrs
Total: 120.00 hours required for graduation