

Bachelor of Science Study Plan - Entering Fall 2025 and later

Name: _____ ID: _____ E-mail: _____ Class: _____

Major: **Mathematics**

Instructions Please print or type. The purpose of this study plan is to track your progress to degree completion by outlining the specific courses required for the program and when you expect to take them. Please indicate the term (semester) when you plan to take or have taken each course (e.g., 25F, 26S, 26F, etc.). If a choice of course is given for the requirement, circle the appropriate course number. For electives, fill in the course number. Courses completed via AP/IB or transfer credit should be marked as AP, IB, or TR respectively. Revise this plan as needed. An additional study plan will be required if you wish to pursue a minor or a second degree.

Term	Course	Credits	Grade	Term	Course	Credits	Grade
TERM I				TERM III			
I	MA 121 - Differential Calculus	2.0	_____	III	MA 221 - Differential Equations	4.0	_____
I	MA 122 - Integral Calculus	2.0	_____	III	MA 225 - Infinite Series	2.0	_____
I	MA 188 - Seminar in Mathematical Sciences	1.0	_____	III	MA 226 - Multivariable Calculus II	2.0	_____
I	CS 115 - Introduction to Computer Science	4.0	_____	III	Science Elective: _____	3.0	_____
I	PEP 111 - Mechanics	3.0	_____	III	Humanities ⁵ : _____	3.0	_____
I	HASS 103 - Writing and Communications Colloquium	3.0	_____	III	MGT 103 - Intro to Entrepreneurial Thinking	2.0	_____
I	PRV 101 - First Year Experience	1.0	_____	III	PRV 20X - Frontiers of Technology ⁴	1.0	_____
TERM II				TERM IV			
II	MA 125 - Vectors and Matrices	2.0	_____	IV	MA 222 - Probability and Statistics	3.0	_____
II	MA 126 - Multivariable Calculus I	2.0	_____	IV	MA 232 - Linear Algebra	3.0	_____
II	MA 134 - Discrete Mathematics	3.0	_____	IV	MA 240 - Proofs and Refutations	3.0	_____
II	PEP 112 - Electricity and Magnetism	3.0	_____	IV	ECON 243 - Macroeconomics OR	3.0	_____
II	Science Elective ¹ : _____	3.0	_____		ECON 244 - Microeconomics	3.0	_____
II	Science Lab: _____	1.0	_____	IV	Humanities: _____	3.0	_____
II	HASS 105 - Knowledge, Nature, Culture	3.0	_____	IV	PRV 20X - Frontiers of Technology	1.0	_____

Student Signature: _____ Date: _____ Original _____ Revision _____

Academic Advisor Signature: _____ Date: _____ 2nd Degree _____

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Term	Course	Credits	Grade	Term	Course	Credits	Grade
TERM V				TERM VII			
V	MA 231 - Nonlinear Optimization	2.0	_____	VII	MA 410 - Differential Geometry	3.0	_____
V	MA 331 - Intermediate Statistics	3.0	_____	VII	MA 498 - Senior Research Project I	3.0	_____
V	MA 398 - Introduction to Mathematical Research	2.0	_____	VII	Technical Elective: _____	3.0	_____
V	MA 441 - Introduction to Mathematical Analysis	3.0	_____	VII	Humanities: _____	3.0	_____
V	Technical Elective ² : _____	3.0	_____	VII	General Elective: _____	3.0	_____
V	Free Technical Elective: _____	3.0	_____				
V	PRV 20X - Frontiers of Technology	1.0	_____				
TERM VI				TERM VIII			
VI	MA 234 - Complex Variables with Applications	3.0	_____	VIII	Technical Elective: _____	3.0	_____
VI	MA 336 - Modern Algebra	3.0	_____	VIII	Technical Elective: _____	3.0	_____
VI	MA 346 - Numerical Methods	3.0	_____	VIII	Free Technical Elective: _____	3.0	_____
VI	Technical Elective: _____	3.0	_____	VIII	General Elective: _____	3.0	_____
VI	General Elective ³ : _____	3.0	_____				

ADDITIONAL COURSES

Notes:	1. Science Electives: Students must take CS 115, PEP 111, and PEP 112. They must also take one science lab, which may be CH 117, BIO 182, or PEP 221, and two additional science electives, one of which must be at the 200-level or higher. Science electives may include computer science courses or the courses PEP 151 and PEP 152.	_____	_____	_____	_____
	2. Technical Electives may be any 3-credit math courses at the 300-level or higher that are not core program requirements. Pre-approved technical electives include MA 335, MA 360, MA 361, MA 442, MA 463, MA 464, MA 499, MA 503, MA 525, MA 526, MA 544, MA 550, MA 552, MA 564, MA 565, MA 567, MA 575, MA 576, and MA 577. Students who wish to count a course not on this list as a technical elective should speak with an academic advisor. Students must take either MA 498 or MA 499 to satisfy the senior research requirement. Students may take both and count MA 499 as a technical elective.	_____	_____	_____	_____
	3. General Electives may be any courses. They may include courses used to fulfill minor, double major, or master's degree requirements, as well as language courses or courses taken while studying abroad.	_____	_____	_____	_____
	4. SUCCESS Core Curriculum : Students must complete requirements including PRV 101, and three (3) courses from PRV 201, PRV 202, PRV 203, PRV 204, PRV 205.	_____	_____	_____	_____
	5. Humanities: Please see the Humanities Requirements for specific requirements. Either BT 243 or BT 244 may be taken to satisfy the economics requirement. Students who take both courses may use one in place of a 200-level humanities elective.	_____	_____	_____	_____

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