

Bachelor of Science Study Plan - Entering Fall 2025 and later

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

Major: **Accelerated Chemical Biology**

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 III³			
I	BIO 181 - Biology and Biotechnology	3.0	_____	III	CH/BIO 301 - Professional Ethics for Scientific Research	1.0	_____
I	BIO 182 - Biology and Biotechnology Laboratory	1.0	_____	III	BIO 382 - Biological Systems	4.0	_____
I	CH 115 - General Chemistry I	3.0	_____	III	CH 243 - Organic Chemistry I	3.0	_____
I	CH 117 - General Chemistry Laboratory I	1.0	_____	III	CH 245 - Organic Chemistry Lab I	1.0	_____
I	CH 179 - Career Pathways in Chemical and Biology Sciences	1.0	_____	III	CS 105 - Introduction to Scientific Computing OR	3.0	_____
I	HASS 103 - Writing and Communications Colloquium	3.0	_____	III	CS 115 - Introduction to Computer Science	4.0	_____
I	MA 121 - Differential Calculus	2.0	_____	III	PEP 112 - Electricity and Magnetism	3.0	_____
I	MA 122 - Integral Calculus	2.0	_____	III	PRV 20X - Frontiers of Technology ²	1.0	_____
I	PRV 101 - First Year Experience	1.0	_____	III	CH/BIO 398 - Research Proposals for Undergraduate Research	1.0	_____
TERM II³				TERM IV			
II	BIO 290 - Cell and Molecular Biology	3.0	_____	IV	CH 244 - Organic Chemistry II	3.0	_____
II	BIO 292 - Cell and Molecular Biology Laboratory	1.0	_____	IV	CH 246 - Organic Chemistry Laboratory II	1.0	_____
II	CH 116 - General Chemistry II	3.0	_____	IV	CH 321 - Thermodynamics	3.0	_____
II	CH 118 - General Chemistry Laboratory II	1.0	_____	IV	ENGR 241 - Probability & Statistics with Data Science Apps	4.0	_____
II	CH 189 - Seminar in Chemistry and Biology	1.0	_____	IV	MGT 103 - Introduction to Entrepreneurial Thinking	2.0	_____
II	HASS 105 - Knowledge, Nature, Culture	3.0	_____	IV	PEP 221 - Physics Lab I for Scientists	1.0	_____
II	MA 125 - Vectors and Matrices	2.0	_____	IV	PRV 20X - Frontiers of Technology	1.0	_____
II	MA 126 - Multivariable Calculus I	2.0	_____	IV	Humanities ¹ : _____	3.0	_____
II	PEP 111 - Mechanics	3.0	_____				_____

Student Signature: _____ Date: _____ Original _____ Revision _____

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

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Term	Course	Credits	Grade
TERM V			
V	BIO 484 - Genetics	4.0	_____
V	CH 362 - Instrumental Analysis I - Spectro. & Chromatography	4.0	_____
V	CH 580 - Biochemistry I - Cellular Metabolism and Regulation	3.0	_____
V	CH/BIO 498 - Senior Capstone Research Project I	3.0	_____
V	PEP 222 - Physics Lab II for Scientists	1.0	_____
V	Humanities: _____	3.0	_____

TERM VI			
VI	BIO 586 - Immunology	3.0	_____
VI	CH 461 - Instrumental Analysis II - Electrochemistry	4.0	_____
VI	CH/BIO 499 - Senior Capstone Research Project II	3.0	_____
VI	CH 581 - Biochemistry II: Biomolecular Structure and Function	3.0	_____
VI	PRV 20X - Frontiers of Technology	1.0	_____
VI	Humanities: _____	3.0	_____

ADDITIONAL COURSES

Notes:

- Humanities: Please see [Humanities Requirements](#) for specific requirements. Humanities electives for Accelerated Chemical Biology must include HQSS 141 and HQSS 175. To prepare for the MCAT, these electives must be taken before Term V.
- [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.
- Terms VII and VIII will be transferred from the medical school.
- The Academic Plan shows the suggested three years of courses to take at Stevens and the total credit hours shown are the credit hours taken at Stevens not the credit hours needed to fulfill the degree. Note the last year of courses will be taken at NJMS and transferred to Stevens to fulfill the requirements of the Chemical Biology degree. The courses that are normally satisfied by the NJMS first year courses for the chemical biology degree are 2 general electives, 2 technical electives, BIO 583 Advanced Physiology, CH 421 Chemical Dynamics, CH 582 Biophysical Chemistry.

_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____

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