

Physics (BS)

The following course sequence sheet is for illustrative purposes only and should not be construed as formal academic advisement. Course selections and sequence may vary depending on course availability and counsel from your academic adviser. You should consult an academic adviser before developing an actual academic plan.

Cr.	First Semester	Cr.	Second Semester
4	CHEM.115 Chemistry for Sciences I	4	CHEM.116 Chemistry for Sciences II
3	MATH.125 Calculus I or MATH.113 Pre-Calculus (if required based on testing)	3	MATH.126 Calculus II or MATH.125 Calculus I (if MATH.113 was required)
3	PHYSICS.123 Contemporary Physics	4	PHYSICS.211 General Physics I
3	ENGLISH.101 Found of College Writing or General Education Course	3	General Education Course or ENGLISH.101 Found of College Writing
1	INTSTUDY.100 Optional University Seminar	3	General Education Course
14	Total Semester Credits	17	Total Semester Credits
Cr.	Third Semester	Cr.	Fourth Semester
4	PHYSICS.212 General Physics II	3	PHYSICS.310 Modern Atomic Physics
3	2nd Level Writing Course	3	PHYSICS.314 Electricity & Magnetism
3	MATH.225 Calculus III or MATH.126 Calculus II (if MATH.113 was required)	3	MATH.322 Differential Equations or MATH.225 Calculus III (if MATH.113 was required)
3	General Education Course	3	General Education Course
3	General Education Course	3	General Education Course
16	Total Semester Credits	15	Total Semester Credits
Cr.	Fifth Semester	Cr.	Sixth Semester
4	PHYSICS.315 Electronics	3	PHYSICS.302 Mechanics: Dynamics
3	COMPSCI.116 Algorithmic Processes	4	PHYSICS.318 Optics
3	MATH.226 Calculus IV or MATH.322 Differential Eq (if MATH.113 was required)	3	Free Elective or MATH.226 Calculus IV (if MATH.113 was required)
3	300-level Physics Elective	3	300-level Physics Elective
3	General Education Course	3	General Education Course
16	Total Semester Credits	16	Total Semester Credits
Cr.	Seventh Semester	Cr.	Eighth Semester
3	PHYSICS.422 Thermodynamics	2	PHYSICS.400 Advanced Physics Laboratory

3	PHYSICS.450 Introduction to Quantum Mechanics	3	300-level Physics Elective
3	300-level Physics Elective	3	General Education Course
3	General Education Course	4	Free Elective
1	General Education Course	1	General Education Course
13	Total Semester Credits	13	Total Semester Credits

TOTAL CREDITS: 120

IMPORTANT NOTES:

The sequence of General Education courses is an example only; they may be taken in any order. The number of free electives may vary depending on pre-requisite requirements and course choices.

For example, if one communications or values course is also counted as a group A or B, as allowed by General Education Policy, then take one additional Free Elective course.

Two of the courses selected for the Major, General Education OR Free Elective must also qualify as Diversity courses. See list of Diversity Courses and consult advisor