

Sample Plan – Physics-Atom/Mole/Opt/Con Matter

Year 1	Semester 1 (16 Units)	PHYS 08/08H & 08L Introductory Physics I (4 units)	MATH 021 Calculus I for Physical Sciences & Engineering (4 units)	SPARK Seminar (4 units)	CHEM 02/02H General Chemistry I (4 units)
	Semester 2 (16 Units)	PHYS 09/09H & 09L Introductory Physics II (4 units)	MATH 022 Calculus II for Physical Sciences & Engineering (4 units)	WRI 10 College Reading & Composition (4 units)	Computer Science Requirement (4 units)
Year 2	Semester 3 (16 Units)	PHYS 10 Introductory Physics III (4 units)	PHYS 108 Thermal Physics Core (4 units)	MATH 24 Linear Algebra & Differential Equations (4 units)	GE Approaches to Knowledge Area B (4 units)
	Semester 4 (18 Units)	PHYS 105 Analytics Mechanics Core (4 units)	MATH 023 Vector Calculus (4 units)	PHYS 126 Special Relativity Minicourse (2 units)	GE Approaches to Knowledge Area B (4 units)
Year 3	Semester 5 (16 Units)	PHYS 110 Electrodynamics Core (4 units)	PHYS 137 Quantum Mechanics Core (4 units)	MATH 032 Probability and Statistics (4 units)	GE Approaches to Knowledge Area B (4 units)
	Semester 6 (14 Units)	PHYS 115 Electrodynamics Core Waves II Waves (4 units)	PHYS 138 Quantum Mechanics II Core (2 units)	PHYS 160 Modern Physics Lab (4 units) *Writing in Discipline	UD AMO/CM Emphasis Elective (4 units)
Year 4	Semester 7 (14 Units)	PHYS 195 or ENGR 193 (2 units)	UD AMO/CM Emphasis Elective (4 units)	Free Elective (4 units)	Crossroads Course (4 units)
	Semester 8 (14 Units)	PHYS 196 or ENGR 194 (2 units)	UD AMO/CM Emphasis Elective (4 units)	LD Science or Engineering Elective (4 units)	Free Elective (4 units)

Major Requirement Only
 General Education Requirement Only
 Major Requirement and General Education Requirement
 Free Elective units
 Meets Badge

- This sample plan demonstrates the recommended sequencing and timing of the required and elective components within the major.
- In many cases, a student's academic background will require variations in the timing of the coursework listed in the plan.
- All students are expected to work with their academic advisor to find their best pathway through the degree requirements of their chosen program.