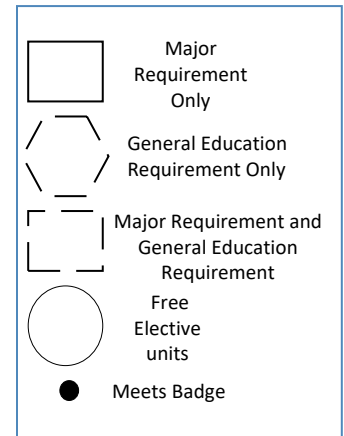


Sample Plan – Physics-Computational and Mathematical Physics

		Year 1			
Year 1	Semester 1 (16 Units)	PHYS 08/08H& 08L Introductory Physics I & Lab (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 (14-16 Units)	PHYS 09/09H & 09L Introductory Physics I & Lab (4 units)	MATH 022 Calculus II for Physical Sciences & Engineering (4 units)	WRI 10 College Reading & Composition (4 units)	Computer Science Requirement (2-4 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 (14 Units)	PHYS 105 Analytics Mechanics Core (4 units)	PHYS 126 Special Relativity Minicourse (2 units)	MATH 023 Vector Calculus (4 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 (18 Units)	PHYS 115 Electrodynamics Core Waves II Waves (4 units)	PHYS 116 Mathematical Methods (4 units)	PHYS 138 Quantum Mechanics II Core (2 units)	PHYS 160 Modern Physics Lab (4 units) *Writing in Discipline
Year 4	Semester 7 (14 Units)	Senior Thesis Requirement (2-4 units) *Integrative Culminative Experience	UD MATH Emphasis Elective (4 units)	LD Science or Engineering Elective (4 units)	Crossroads Course (4 units)
	Semester 8 (14 Units)	Senior Thesis Requirement* (2-4 units) *If Needed	UD MATH Emphasis Elective (4 units)	Free Elective (4 units)	Free Elective (4 units)



- 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.