

## First Year (Total Credits: 39)

		Semester	Course Code	Course Title	Credits	Degrees
Fall	MATH 202		Geometry Math Lab		2	Mathematics
	CIS 210		Computer Science I		4	Physics and Computer Science
	PHYS 251		Foundations of Physics I		4	Physics
	CH 221		General Chemistry I		4	Physics
Winter	MATH 282		Several-Variable Calculus II		4	Mathematics and Physics
	PHYS 290		Foundations of Physics Laboratory		1	Physics
	PHYS 252		Foundations of Physics I		4	Physics
	CH 222		General Chemistry II		4	Physics
Spring	MATH 203		Analysis and Number Theory		2	Mathematics
	MATH 201		Algebra Math Lab		2	Mathematics
	MATH 342		Elementary Linear Algebra		4	Mathematics
	PHYS 253		Foundations of Physics I		4	Physics

## Second Year (Total Credits: 42)

	Semester	Course Code	Course Title	Credits	Degrees
Fall	MATH 205	Foundations Math Lab		2	Mathematics
	MATH 307	Intro to Proof		4	Mathematics
	PHYS 351	Foundations of Physics II		4	Physics
	PHYS 391	Physics Exp. Data Analysis Lab		4	Physics
Winter	MATH 316	Fundamentals of Analysis I		4	Mathematics
	CS 122	Intro to Programming		4	Mathematics
	CIS 211	Computer Science II		4	Computer Science
	PHYS 352	Foundations of Physics II		4	Physics
Spring	MATH 317	Fundamentals of Analysis II		4	Mathematics
	MATH 433	Intro to Differential Geometry		4	Mathematics
	PHYS 353	Foundations of Physics II		4	Physics

## Third Year (Total Credits: 36)

	Semester	Course Code	Course Title	Credits	Degrees	
Fall	MATH 444	Intro to Abstract Algebra I			4	Mathematics
	MATH 320	Theory of Differential Equations			4	Mathematics
	PHYS 412	Mechanics, Electricity, and Magnetism			4	Physics
Winter	MATH 445	Intro to Abstract Algebra II			4	Mathematics
	PHYS 411	Mechanics, Electricity, and Magnetism			4	Physics
	PHYS 413	Mechanics, Electricity, and Magnetism			4	Physics
Spring	PHYS 422	Electromagnetism			4	Physics
	PHYS 414	Quantum Physics			4	Physics
	PHYS 431	Analog Electronics			4	Physics

## Fourth Year (Total Credits: 36)

		Semester	Course Code	Course Title	Credits	Degrees
Fall		PHYS 415		Quantum Physics	4	Physics
		CIS 212		Computer Science III	4	Computer Science
		MATH 231		Elements of Discrete Mathematics I	4	Computer Science
Winter		MATH 232		Elements of Discrete Mathematics II	4	Computer Science
		PHYS 417		Topics in Quantum Physics	4	Physics
		PHYS 432		Digital Electronics	4	Physics
Spring		CIS 313		Introduction to Data Structures	4	Computer Science
		CS elective (399-409)			4	Computer Science
		CS elective (399-409)			4	Computer Science