

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	