First Year (Total Credits: 44)

Semester	Course Code	Course Title	Credits	Degrees
Fall	MATH 307	Introduction to Proof	4	Mathematics
	MATH 281	Several-Variable Calculus I	4	Mathematics
	PHYS 251	Foundations of Physics I	4	Physics
Winter	MATH 282	Several-Variable Calculus II	4	Mathematics
	MATH 316	Fundamentals of Analysis I	4	Mathematics
	PHYS 252	Foundations of Physics I	4	Physics
Spring	MATH 317	Fundamentals of Analysis II	4	Mathematics
	MATH 444	Introduction to Abstract Algebra I	4	Mathematics
	MATH 342	Linear Algebra II	4	Mathematics
	PHYS 253	Foundations of Physics I	4	Physics

Second Year (Total Credits: 36)

Semester	Course Code	Course Title	Credits	Degrees
Fall	MATH 445	Introduction to Abstract Algebra II	4	Mathematics
	MATH 433	Introduction to Differential Geometry	4	Mathematics
	PHYS 351	Foundations of Physics II	4	Physics
Winter	MATH 446	Introduction to Abstract Algebra III	4	Mathematics
	MATH 432	Introduction to Topology I	4	Mathematics
	PHYS 391	Physics Experimentation Data Analysis	4	Physics
Spring	MATH 432	Introduction to Topology II	4	Mathematics
	MATH 616	Real Analysis I	4	Mathematics
	PHYS 352	Thermal Physics and Stats Mechanics I	4	Physics

Third Year (Total Credits: 36)

Semester	Course Code	Course Title	Credits	Degrees
Fall	MATH 434	Introduction to Topology III	4	Mathematics
	MATH 617	Real Analysis II	4	Mathematics
	PHYS 353	Thermal Physics and Stats Mechanics II	4	Physics
	PHYS 412	Electricity and Magnetism I	4	Physics
Winter	MATH 618	Real Analysis III	4	Mathematics
	MATH 634	Algebraic Topology I	4	Mathematics
	PHYS 411	Mechanics	4	Physics
	PHYS 413	Electricity and Magnetism II	4	Physics
Spring	MATH 635	Algebraic Topology II	4	Mathematics
	PHYS 422	Electromagnetism	4	Physics
	PHYS 414	Quantum Physics	4	Physics
	PHYS 415	Quantum Physics	4	Physics

Fourth Year (Total Credits: 48)

Semester	Course Code	Course Title	Credits	Degrees
Fall	MATH 636	Algebraic Topology III	4	Mathematics
	MATH 637	Differential Geometry I	4	Mathematics
	MATH 681	Advanced Algebra I	4	Mathematics
	PHYS 431	Analog Electronics	4	Physics
Winter	MATH 421	Partial Differential Equations I	4	Mathematics
	MATH 638	Differential Geometry II	4	Mathematics
	MATH 682	Advanced Algebra II	4	Mathematics
	PHYS 417	Topics in Quantum Physics	4	Physics
Spring	MATH 422	Partial Differential Equations II	4	Mathematics
	MATH 639	Differential Geometry III	4	Mathematics
	MATH 682	Advanced Algebra III	4	Mathematics
	PHYS 432	Digital Electronics	4	Physics