

Requirements	Semester Course Number	Course Title	Semester Units	Quarter Equivalent Course Number	Quarter Credits	Notes
Required Astronomy	Astron 2291	Basic Astrophysics and Planetary Astronomy	3	Astron 291	5	Same content
	Astron 2292	Stellar, Galactic, and Extragalactic Astronomy and Astrophysics	3	Astron 292	5	Same content
	Astron 2895	Seminar	1	Astron 295	1	Some content reduction as requirement reduced from two quarters to one semester.
	Astron 3350	Methods of Astronomical Observation and Data Analysis	3	Astron 350	5	Same content
	Astron 5681	Principles of Stellar Evolution and Nucleosynthesis	3	Astron 681/ Phys 681	5	Same content
	Astron 5682	Introduction to Cosmology	3	Astron 682/ Phys 682		Same content
Prerequisite Programming	CSE 1211	Intro to C++	2	CSE 202	4	Same content
Prerequisite Math	Math 1251	Calculus I	5	Math 151	5	Semester sequence has same content as quarter sequence
	Math 1258	Calculus II	5	Math 152	5	
				Math 153	5	
	Math 2249	Calc III	3	Math 254	5	Same content
Required Math	Math 2431	Linear Algebra/Diff Eqs	3	Math 415	4	Merges Math 415 and Math 568
	Math 4210	Vector Analysis	3	Math 513	3	Same content
Prerequisite Physics	Phys 1250/1250H	Mechanics, Thermal Physics, Waves	5	Phys 131	5	Semester sequence has same content as quarter sequence
	Phys 1251/1251H	E&M, Optics, Modern Physics	5	Phys 132	5	
				Phys 133	5	
Required/Recommended Physics	Phys 2300	Dynamics of Particles and Waves I	4	Phys 261	4	Semester sequence has same content as quarter sequence
	Phys 2301	Dynamics of Particles and Waves II	4	Phys 262	4	
				Phys 263	4	
	Phys 3700	Methods in Experimental Physics	3	Phys 416	4	Same content
	Phys 5400/5400H	E&M I	4	Phys 555	4	Semester sequence has same content as quarter sequence
	Phys 5401H	E&M II	4	Phys 656	4	
				Phys 657	4	
	Phys 5500/5500H	Quantum Mechanics I	4	Phys 631	4	Semester sequence has same content as quarter sequence
	Phys 5501H	Quantum Mechanics II	4	Phys 632	4	
				Phys 633	4	
Phys 5600	Statistical Physics	4	Phys 621	4	Semester course has all of 621 and part of 622	
			Phys 622	4		
Other Astronomy	Astron 2193	individual studies	var	Astron 293	var	Same content
	Astron 2194	group studies	var	Astron 294	var	Same content
	Astron 4193	individual studies	var	Astron 693	var	Same content
	Astron 4194	group studies	var	Astron 694	var	Same content
	Astron 4998	non-thesis research	var	Astron 693	var	Same content
	Astron 4999	thesis research	var	Astron 693	var	Same content
	Astron 4999H	honors thesis research		Astron H783	var	Same content