



Term 1	Course Title/Description	Pre-requisite	Cr Hrs	Milestone/Notes
17-117	Precalculus	Minimum ACT math score of 22 OR minimum high school GPA 3.5	5	
29-102	Fund of Oral Communication		3	
77-101	University Seminar		1	
	Digital Literacy		3	
24-114/115	General Chemistry I & Lab		4	
Total Hours			16	
Term 2	Course Title/Description	Pre-requisite	Cr Hrs	Milestone/Notes
44-141	Computer Programming I		3	
10-111	Composition I		3	
04-106/107	Principles of Biology & Lab		4	
17-120	Calculus I	Precalculus Algebra OR Precalculus AND Trigonometry	4	1
	Global Experience		3	
Total Hours			17	
Term 3	Course Title/Description	Pre-requisite	Cr Hrs	Milestone/Notes
17-121	Calculus II	Calculus I	5	
	Humanities		3	
25-120/121	Classical Physics I & Lab	Calculus I	5	FALL only
	American Experiences		3	
Total Hours			15	
Term 4	Course Title/Description	Pre-requisite	Cr Hrs	Milestone/Notes
17-321	Calculus III	Calculus II	4	
34-102	Intro to American Government		3	
25-230/231	Classical Physics II & Lab	Classical Physics I & Lab AND Calculus II	5	2 SPRING only
	Social & Behavioral Science		3	
Total Hours			15	
Term 5	Course Title/Description	Pre-requisite	Cr Hrs	Milestone/Notes
25-420 OR 25-479	Advanced Physics Laboratory Undergraduate Research	Classical Physics II & Lab AND Calculus II	1	
25-360 OR 25-430	Quantum Mechanics Optics	Quantum: Introduction to Quantum OR Physical Chemistry I & Lab AND Calculus III Optics: Calculus II	3	Physics Electives Quantum: SPRING EVEN YEARS only Optics: FALL EVEN YEARS only
25-330	Electricity and Magnetism	Classical Physics I & Lab AND Calculus III	3	FALL EVEN YEARS only
10-112	Composition II	Composition I	3	
	Fine Art		3	
Total Hours			13	

1 = a milestone course completed by end of year 1 to remain on pace to finish degree requirements in four years.

2 = a milestone course completed by end of year 2 to remain on pace to finish degree requirements in four years.

3 = a milestone course completed by end of year 3 to remain on pace to finish degree requirements in four years.

4 = a milestone courses taken in final year to complete degree requirements.



Term 6	Course Title/Description	Pre-requisite	Cr Hrs	Milestone/Notes
25-420 OR 25-479	Advanced Physics Laboratory Undergraduate Research	Classical Physics II & Lab AND Calculus III	1	
25-352	Modern Physics	Classical Physics II & Lab	3	SPRING ODD YEARS only
24-332/333	Electronics & Lab	Classical Physics II & Lab	4	SPRING ODD YEARS only
17-361	Differential Equations	Calculus II	3	SPRING only
29-102	Fund. Of Oral Communication		3	
Total Hours			14	
Term 7	Course Title/Description	Pre-requisite	Cr Hrs	Milestone/Notes
25-420 OR 25-479	Advanced Physics Laboratory Undergraduate Research	Classical Physics II & Lab AND Calculus III	1	
25-350	Intro to Quantum Mechanics	Classical Physics II & Lab	3	FALL ODD YEARS only
25-320/321	Classical Mechanics & Lab	General Physics I & Lab AND Calculus II	4	FALL ODD YEARS only
10-220	Intro to Literature		3	
	Elective		3	
Total Hours			14	
Term 8	Course Title/Description	Pre-requisite	Cr Hrs	Milestone/Notes
25-420 OR 25-479	Advanced Physics Laboratory Undergraduate Research	Classical Physics II & Lab AND Calculus III	1	
	Social & Behavioral Science		3	
25-450	Computational Physics	Classical Physics II & Lab AND Computer Programming I	3	SPRING EVEN YEARS only
25-360 OR 25-430	Quantum Mechanics Optics	Quantum: Introduction to Quantum OR Physical Chemistry I & Lab AND Calculus III Optics: Calculus II	3	Physics Electives Quantum: SPRING EVEN YEARS only Optics: FALL EVEN YEARS only
25-489 OR 25-499	Physics Practicum OR Special Investigations in Physics	Permission of Instructor	2	
	Elective		2	
Total Hours			14	

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