Total credits	15-17	Total credits	15	
CEMS 1500 - CEMS First Year Seminar [Optional]	[1]			
Catamount Core (WIL1): ENGL 1001 - Written Expression	3			
N2, QD: CHEM 1400 - General Chemistry 1	4	Catamount Core (D1 Diversity 1)	3	
PHYS 1510 - Physics Problem Solving I [Optional]	[1]	N2, QD: CHEM 1450 - General Chemistry 2 CHEM 1400	4	
N2, QD: PHYS 1600 - Fundamentals of Physics I Coreq: MATH 1234 N2, QD: PHYS 1500 - Physics for Engineers I MATH 1234	4	N2, QD: PHYS 1650 - Fundamentals of Physics II PHYS 1500 or PHYS 1600; Coreq: MATH 1248	4	
MA: MATH 1234 - Calculus I*	4	MA: MATH 1248 - Calculus II* MATH 1234	4	

Total credits	14	Total credits	15	
		Catamount Core (D1/D2 Diversity 1 or Diversity 2)	3	
Free Elective	3	Catamount Core (AH Arts & Humanities)	3	
Catamount Core (S1 Social Science)	3	QD: CS 1210 - Computer Programming I PHYS 3150 - Computational Physics I PHYS 1650 ;MATH 2248	3	
N2, QD: PHYS 2500 - Waves and Quanta PHYS1650 ; Coreq: MATH 2248	4	PHYS 2200 - Classical Mechanics PHYS 1650; MATH 2248	3	
MA: MATH 2248 - Calculus III MATH 1248	4	MA: MATH 2522 - Applied Linear Algebra MATH 1248 MA: MATH 2544 - Linear Algebra MATH 1248; Pre/Coreq: MATH 2248	3	

Total credits	15	Total credits	15
Free Elective	3	Free Elective	3
Catamount Core (S1 Social Science)	3	Catamount Core (AH Arts & Humanities)	3
Concentration Course	3	Concentration Course	3
MATH 3230 - Ordinary Diffrntl Equation MATH 2248; Pre/Coreq: MATH 2522 or MATH 2544	3	Concentration Course	3
PHYS 3300 - Electricity & Magnetism PHYS1650; MATH 2248	3	Concentration Course	3

	-	Minimum Total Credits Required for Degree:		
Total credits	15	Total credits	15	
Free Elective	3	Free Elective	3	
Catamount Core (OC Oral Communication WIL2 Writing & Information Literacy 2)	3	Catamount Core (SU Sustainability)	3	
Catamount Core (GC Global Citizenship)	3	Concentration Course	3	
Concentration Course	3	Concentration Course	3	
PHYS 3500 - Quantum Mechanics I PHYS2500; PHYS2200	3	PHYS 4500 - Applictns of Quantum Mechanics PHYS 3500	3	

are listed below the course name in italics. Prerequisites listed are only for courses, as relevant to your specific degree program, and may have other registration restrictions. Please refer to the catalogue.

* Grade of C or higher required

Concentration Course: Please refer to degree audit for concentration options

If students opt out of both optional courses in their first semester, they will need to take a 1 credit course in the future to meet the minimum credit amount required for their degree.
