

Bachelor of Science in Natural Sciences -- 120 Credits

Area of Concentration: Physics

GENERAL EDUCATION REQUIREMENTS

REQUIRED COURSES (RG 6813)

Foundational Courses	CR	Satisfied/Term
Engcmp 0003 or 0005	3	
Engcmp 0004 or 0006	3	
CommRc 0052 Public Speaking	3	
Basic Algebra or Placement Test		
Math 0001 Algebra 1	3	
Quantitative Reasoning (QR) - 1 Course		
<i>Note - a student cannot test out of their QR requirement.</i>		
	3	

FREE ELECTIVES

Free electives are the balance of credits required for graduation (120) that are not used to satisfy competencies, knowledge areas, major requirements, electives, or any related area required by the department.		
	CR	Satisfied/Term

WORLDS OF KNOWLEDGE (RG 6825)

Aesthetic and Creative Expression (RQ 3148)				
Subject	Number	Course Title	CR	Satisfied/Term
			3	
			3	

Global History & Culture (RQ 3149)				
Subject	Number	Course Title	CR	Satisfied/Term
			3	
			3	

Societies & Civics (RQ 3150)				
Subject	Number	Course Title	CR	Satisfied/Term
			3	
			3	

Science & Nature (RQ 3153)				
Subject	Number	Course Title	CR	Satisfied/Term
Biol	0110	Gen Biology 1	3	
Chem	0111	Gen Chem 1	3	

Follow-Up Courses (RQ 3154)				
Subject	Number	Course Title	CR	Satisfied/Term
Biol	0120	Gen Biology 2	3	
Chem	0112	Gen Chem 2	3	

Each student must take 2 courses in each World of Knowledge. The two courses taken within each World must be from different subjects. A student must take two additional "Follow-Up" courses from any World.

- >The minimum number of courses taken in the Worlds must be 10.
- >The Follow-Up courses may repeat a subject previously taken in a World.
- >A student cannot use a major required Subject course in one of the Worlds.
- >For example: A Biology student cannot use BIOL 0110 to fulfill a requirement in the Science and Nature World.
- >Students cannot use a course to count both in their QR requirement and one of the Worlds.
- >Students can choose QR and Worlds of Knowledge courses from published course lists.

MAJOR REQUIREMENTS

Required Courses	CR	Satisfied/Term
Biol 0110 General Biology 1	3	
Biol 0111 General Biology 1 Lab	1	
Biol 0120 General Biology 2	3	
Biol 0121 General Biology 2 Lab	1	
Chem 0111 General Chemistry 1	3	
Chem 0112 General Chemistry 2	3	
Chem 0113 General Chemistry 1 Lab	1	
Chem 0114 General Chemistry 2 Lab	1	
Chem 1342 Physical Chemistry	3	
Chem 1343 Physical Chemistry Lab	1	
Math 0221 Analytic Geom & Calc 1	4	
Math 0231 Analytic Geom & Calc 2	4	
Math 0241 Analytic Geom & Calc 3	4	
Math 1035 Diff Equations with Matrix Th	4	
OR Math 1271 Ordinary Diff Equations	3	
Phys 0150 Physics 1	4	
Phys 0151 Physics 1 lab	1	
Phys 0152 Physics 2	4	
Phys 0153 Physics 2 lab	1	
Phys 0225 Optics	1	
Phys 0400 Classical Mechanics	3	
Phys 0450 Electromagnetism	3	
Phys 0480 Astrophysics	3	
Phys 1300 Quantum Physics	3	
Phys 1400 Advanced lab	1	
Requirement Satisfied	59-60	

Geology Electives		
Complete any 3 credits in Geology and Planetary Science	CR	Satisfied/Term
Geol	3	
Requirement Satisfied	3	

IMPORTANT INFORMATION:

This sheet is an unofficial representation of the major requirements and the information is subject to change. It is not an official record of academic progress and should not be treated as such. Official degree information can only be obtained through the Division Office or the Office of the Registrar.

Updated 2/20/19