Bachelor of Science in Natural Sciences -- 120 Credits

Area of Concentration: Physics

GENERAL EDUCATION REQUIREMENTS

WORLDS OF KNOWLEDGE (RG 6825)

Societies & Civics (RQ 3150)

Subject

Aesthetic and Creative Expression (RQ 3148)

Number Course Title

REQUIRED COURSES (RG 6813)

FREE ELECTIVES

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

CR

Satisfied/Ter

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

elated area required by the department.

Subject	Number	Course Title	CR	Satisfied/Term	Subject	Number	Course Title
			3		Biol	0110	Gen Biology 1
			3		Chem	0111	Gen Chem 1
F . U . U	•	(0.0.0454)					
Follow-Up	Courses	(RQ 3154)					
Subject	Number	Course Title	CR	Satisfied/Term			
Biol	0120	Gen Biology 2	3				
	0112	Gen Chem 2	3				

nust 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.

CR

3

3

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Subject

Global History & Culture (RQ 3149)

Science & Nature (RQ 3153)

Number Course Title

Number Course Title

CR Satisfied/Terr

CR Satisfied/Term

3

3

3

3

Students can choose QR and Worlds of Knowledge courses from published course lists.

MAJOR REQUIREMENTS (RG 6432)

Required Co	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		

Geoscience and Environment Electives				
Complete any 3 credits in GEO course.				
	CR	Satisfied/Term		
GEO	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.

Reviewed 3/24/25