

226P: Natural Science A S Degree Requirements Table**PHYSICS CONCENTRATION - NO LONGER ACCEPTING NEW STUDENTS**

FALL 2022 to CURRENT

ITEM	REQUIREMENT	CREDITS	SEMESTER
1 – KNOWLEDGE & SKILL AREA	MET BY	33	As Listed
1.01 - COMMUNICATION W 1	ENG101 College Composition	3	1
1.02 - COMMUNICATION W 2	ENG 102 Composition in the Natural and Social Sciences	3	2
1.03 - COMMUNICATION ORAL	SPE103, 108, or 109	3	3
1.04 - MATHEMATICS	MAT 141 (per Note 1)	4	2
1.05 - NATURAL SCIENCE	CHE 101 General Chemistry 1 or CHE 103 and 103L	4	1
1.06 - SOCIAL SCIENCE	Select one SUNY approved Social Science course	3	4
1.07 - HISTORY, ENGAGEMENT, AWARENESS	GEO 101, HIS 101, 102, 104, 105, 203, or 204	3	4
1.08 - HUMANITIES, ARTS, LANG	Select one SUNY approved Humanities or Arts	3	3
1.09 - LAS ELECTIVE	CHE 102 General Chemistry 2 or CHE 104 and 104L	4	2
1.10 - SUNY GEN ED SELECTION	Select one SUNY approved World Language course (per Note 2)	3	3
1.11 - HEALTH/PE/ATH	Select any 2 HED/PED/ATH credits	0	N/A
2 - PROGRAM REQUIREMENT	MET BY	31	As Listed
2.01 - Program Requirement	PHY 131 Physics with Calculus 1	4	1
2.02 - Program Requirement	PHY 132 Physics with Calculus 2	4	1
2.03 - Program Requirement	PHY 133 Physics with Calculus 3	4	2
2.04 - Program Requirement	MAT 142 Calculus 2	4	3
2.05 - Program Requirement	MAT 245 Calculus 3	4	3
2.06 - Program Requirement	MAT255 Differential Equations	4	4
2.07 - Program Requirement	MAT 246 Linear Algebra	4	4
2.08 – General/Restricted Elective	CIS 127 Computing in Math, Science and Engineering	3	4

ITEM	REQUIREMENT	CREDITS	SEMESTER
3 - SEMESTER	TOTAL CREDITS REQUIRED FOR DEGREE	64	Upon Completion
3.1 - Semester 1	Semester 1 Total Credits	15	1
3.2 - Semester 2	Semester 2 Total Credits	18	2
3.3 - Semester 3	Semester 3 Total Credits	15	3
3.4 - Semester 4	Semester 4 Total Credits	16	4
4 - INFORMATIONAL NOTES	GENERAL CURRICULUM INFORMATION	0	As Appropriate
4.01 - Proficiency Requirements	As outlined in Procedure 321- Placement and Proficiency Requirements (click to see GCC Placement and Proficiency Guide for details), all students are required to demonstrate proficiency in reading, math, and writing skills prior to earning a college degree or certificate from Genesee Community College.	0	Prior to Completion
4.02 - Electives	Electives for this program should be selected with the transfer institution and program of interest in mind. For additional assistance with course selection, see the Transfer Coordinator in the Student Success Center.	0	As Appropriate
4.03 – Restricted Electives	BIO111, BIO115, BIO116, BIO125/125L, BIO126/126L, BIO152, BIO153, BIO201 or BIO206, BIO205, BIO208, BIO211, CHE201, CHE202, CIS116, CIS125, CIS 127 CIS219, EGR 100, EGR235, EGR236, MAT129, MAT 140, MAT141, MAT142, MAT245, MAT247, MAT255, MAT 246, PHY121 or PHY131, PHY122 or PHY132, PHY133	0	As Appropriate
4.04 - Note 1	Course meets concentration and Local General Education Plan Requirement	0	Informational Note
4.05 – Note 2	Students having obtained an 85 or higher on the Regents B exam or an 85 or higher on a regional exam aligned with the former regents at Checkpoint B have met this requirement and may select a language or an additional 3-credit SUNY approved general education elective.	0	As Applicable
4.06 – Note 3	Students who select restricted electives with higher credits may complete up to 35 program credits.	0	Informational Note
4.07 - GPA Requirement	GPA of 2.0 Required for graduation	0	Upon Completion