

**Total Degree Credit hours: 120**

**Total Degree Credit hours: 120**

**Total Degree Credit hours: 120**

**Total Degree Credit hours: 130**

Year	Semester	Course Code	Course Title	Cr	Co-requisite	Semester	Course Code	Course Title	Cr	Co-requisite
Year 1 (Spring)	1	PHYS105	General Physics I	3	See Ed Course (Cluster 3: Area 3: Natural Sciences)	2	PHYS106	General Physics II	3	Major 1
		PHYS135	General Physics Lab I	1	Major 1		PHYS136	General Physics Lab II	1	Major 1
		PHYS125	Electronics	2	See Ed Course (Cluster 3: Area 3: Natural Sciences)		MATH110	Calculus	3	Major 1
		CHEM111	General Chemistry I	3	Support course		PHYS135	General Physics Lab I	1	Major 1
		CHEM112	General Chemistry II	3	Support course		MATH145	Mathematical Methods	3	Major 1
Year 2 (Spring)	3	PHYS120	Thermal Physics	3	See Ed Course (Cluster 3: Area 3: Natural Sciences)	4	PHYS110	Intermediate Physics Lab I	1	Major 1
		PHYS231	Electronics Fundamentals	2	Major 1		PHYS255	Mathematical Physics	3	Major 1
		PHYS136	Modern Physics	3	Support course		PHYS256	Modern Physics	3	Major Elective
		MATH275	Ordinary Differential Equations	3	Support course		STAT100	Probability and Statistics	3	Major 1
		CIB224	Introduction to Data Science	2	Support course		ENGR222	Fundamentals of Innovation and Entrepreneurship	2	See Ed Course (Cluster 3: Area 3: Innovation and Entrepreneurship)
Year 3 (Spring)	5	PHYS225	Intermediate Physics Lab I	1	Major 1	6	PHYS231	Statistical Physics	2	Major 1
		PHYS335	Quantum Mechanics	3	Major 1		PHYS335	Quantum Electrodynamics Theory	3	Major 1
		PHYS262	Classical Mechanics	3	Major 2		Elective	Student choice	3	Major Elective
		Elective	Student choice	3	Major Elective		Elective	Student choice	3	Major Elective
		PHYS318	Biological Technology	3	See Ed Course (Cluster 3: Area 3: Social and Behavioral Sciences)	(Fall)	ENGR212	Sustainability	3	See Ed Course (Cluster 3: Area 3: Sustainability)
Year 4 (Spring)	7	PHYS410	Solid State Physics	3	See Ed Course (Cluster 3: Area 3: Natural and Fine Arts)	8	PHYS404	Research Project	3	Major 1
		ENGR448	Introduction to Nuclear Physics	3	Major 1		ENGR420	Internship	4	Support course
		Elective	Student choice	3	Major Elective					
		ENGR620	Innovative Studies	2	Major Elective					
		ENGR620	James Callaghan Biography of the Prophet "Sua"	2	See Ed Course (Cluster 2: Area 2: Creative Society)					

**Total Degree Credit hours: 120**

**Total Degree Credit hours: 120**

[illegible]