

GENERAL EDUCATION (37 hrs)		credits	COMMENTS
WRIT 101	Writing I	3	
WRIT 102	Writing II	3	
CHEM 105	General Chemistry I	3	
CHEM 115	General Chemistry Laboratory I	1	
CHEM 106	General Chemistry II	3	
CHEM 116	General Chemistry Laboratory II	1	
PHYS 211	Physics for Science & Engineering I	3	
PHYS 221	Lab Physics for Science & Engineering I	1	
PHYS 212	Physics for Science & Engineering II	3	
PHYS 222	Physics for Science & Engineering II	1	
MATH 261	Unified Calculus & Analytic Geometry I	3	
MATH 262	Unified Calculus & Analytic Geometry II	3	
MATH 263	Unified Calculus & Analytic Geometry III	3	
MATH 264	Unified Calculus & Analytic Geometry IV	3	
MATH 353	Elementary Differential Equations	3	
		37	
ENGINEERING CORE COURSES (24 hrs)			
CSCI 251	Programming for Engineering and Sciences	3	
MANF 250	Graphics and Solid Modeling	1	
ENGR 309	Statics	3	
ENGR 310	Engineering Analysis I	3	
ENGR 313	Introduction to Materials Science	3	
ENGR 321	Thermodynamics	3	
ENGR 330	Engineering Systems Analysis and Design	3	
ENGR 362	Introductory Electric Circuit Theory	3	
ENGR 363	Introductory Electric Circuit Laboratory	1	
ENGR 400	Leadership and Professionalism in Engineering	1	
		24	
ENGINEERING ELECTIVES (9 hrs)			
		3	
2XX		3	
3XX		3	
		9	
SECONDARY PHYSICS EDUCATION EMPHASIS COURSES (33 hrs)			
PHYS 308	Mathematical Physics	3	
PHYS 317	Introduction to Modern Physics I	3	
PHYS 318	Introduction to Modern Physics II	3	
PHYS 319	Optics	4	
PHYS 321	Electronics	4	
PHYS 413	Introduction to Biophysics	3	
PHYS 417	Modern Physics Laboratory	4	
EDSP 308	Introduction to Special Education	3	
EDCI 352	Education, Society, & the K-12 Learner	3	
EDCI 353	Planning and Teaching Strategies for Effec	3	
		33	
SS/H/FA COURSES (24 hrs)			
Soc Science		3	
Soc Science		3	
Humanities		3	
Fine Arts		3	
Hum/FA		3	
SS/H/FA		3	
SS/H/FA/Gen Ed		3	
SS/H/FA/Gen Ed		3	
		24	
TOTAL HOURS =		127	