

<b>GENERAL EDUCATION (37 hrs)</b>			credits	<b>COMMENTS</b>
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		
<b>ENGINEERING CORE COURSES (24 hrs)</b>				
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		
<b>ENGINEERING ELECTIVES (9 hrs)</b>				
		3		
2XX		3		
3XX		3		
		9		
<b>SECONDARY MATHEMATICS EDUCATION EMPHASIS COURSES (33 hrs)</b>				
MATH 301	Discrete Mathematics	3		
MATH 305	Foundation of Mathematics	3		
MATH 319	Introduction to Linear Algebra	3		
MATH 375	Introduction to Statistical Methods	3		
MATH 390	Techniques in Teaching Second Level Math	3		
MATH 425	Introduction to Abstract Algebra	3		
MATH 533	Topics in Euclidean Geometry	3		
MATH 540	History of Mathematics	3		
EDSP 308	Introduction to Special Education	3		
EDCI 352	Education, Society, & the K-12 Learner	3		
EDCI 353	Planning & Teaching Strategies for Effec	3		
		33		
<b>SS/H/FA COURSES (24 hrs)</b>				
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		