

<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

**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 CHEMISTRY EDUCATION EMPHASIS COURSES (33 hrs)**

CHEM 221	Elementary Organic Chemistry I	3
CHEM 225	Elementary Organic Chem. Laboratory I	1
CHEM 222	Elementary Organic Chemistry II	3
CHEM 226	Elementary Organic Chem. Laboratory II	1
CHEM 314	Quantitative Analysis	4
CHEM 331	Physical Chemistry	3
CHEM 334	Biophysical Chemistry	3
CHEM 381	Chemistry for Teachers I	4
CHEM 382	Chemistry for Teachers II	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+