

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)				
ENGR 312	Mechanics of Materials	3		
MANF 450	Manufacturing Design I - Product Design	3		
MANF 451	Manufacturing Design II - Product Design	3		
		9		
MANUFACTURING EMPHASIS COURSES (33 hrs)				
MANF 150	Introduction to Engineering / Manufacturing	1		
MANF 251	Manufacturing Process	3		
MANF 252	Product Realization Laboratory	1		
MANF 253	Strategic Planning	3		
MANF 254	Art and Science of Manufacturing	3		
MANF 350	Manufacturing Process Definition	3		
MANF 351	Manufacturing Product/Process Design	1		
ACCY 201	Introduction to Accounting Principles I	3		
ACCY 202-CME sec.	Introduction to Accounting Principles II	3		
MKTG 351	Marketing Principles	3		
MGMT 383	Human Resource Management	3		
BUS 321	International Business	3		
FIN 331	Business Finance I	3		
		33		
SS/H/FA COURSES (24 hrs)				
ECON 202	Micro-Economics	3		
ECON 203	Macro-Economics	3		
ECON 310	Engineering Economics	3		
BUS 250	Legal Environment of Business	3		
MGMT 371	Principles of Management	3		
FINE ARTS XX1		3		
HUMANITIES XX1		3		
HUM/FA XX2		3		
		24		
TOTAL HOURS =		127		