

UNIV. CORE REQUIREMENTS (45 CR)		CR
I. Communications (6 Credits)		
ENG 1301 English Composition I		3
ENG 1302 English Composition II		3
II. Mathematics (4 Credits)		
MTH 1401 Calculus I		4
III. Mathematics Reasoning (3 Credits)		
MTH 2303 Engineering Mathematics		3
IV. Natural Sciences (8 Credits)		
PHY 1401 Principles of Physics I		4
PHY 1402 Principles of Physics II		4
V. Humanities (3 Credits) <i>Select one course</i>		
See List of Humanities Courses		3
VI. Government (6 Credits)		
POL 1301 Intro. to American Government		3
POL 2315 Global Issues		3
VII. History (6 Credits) <i>Select one course</i>		
HIS 1305 Intro. to Afri. & African-American His.		3
HIS 2305 Survey of US History		3
VIII. Visual and Performing Arts (3 CR) <i>Select one course</i>		
ART 1302 History of Western Art		3
ART 1303 Art of Africa, Oceania and Americas		3
ART 2301 Contemporary African Art		3
ART 2305 Introduction to Theater		3
IX. Social Sciences (3 Credits) <i>Select one course</i>		
See List of Social Science Courses		3
X. Writing (3 Credits)		
COM 2301 Technical Communication		3
PROGRAM REQUIREMENTS (21 Credits)		
CHE 1401 Principles of Chemistry I		4
CSC 2300 Principles of Computer Science		3
CSC 2301 Principles of Computer Programming		3
MTH 1402 Calculus II		4
MTH 1403 Calculus III		4
PHY 3300 Electronics		3
MAJOR REQUIREMENTS (46 Credits)		
MET 1364 Materials & Processes I		3
MET 2354 Intro to Mechanics		3
MET 3318 Fluid Mechanics Applications		3
MET 3118 Fluid Mechanics Applications Lab		1
MET 3355 Strength of Materials		3

MET 3155 Strength of Materials Lab	1
MET 3331 Applied Thermodynamics	3
MET 3340 Engineering Graphics and Computer-Aided Drafting	3
MET 3342 Elements of Plant Design	3
MET 3358 Dynamics of Mechanisms	3
MET 3360 Auto Manufacturing Systems	3
MET 3365 Computer-Aided Design I	3
MET 3367 Quality Control Technology	3
MET 4372 Materials Technology	3
MET 4172 Materials Technology Lab	1
MET 4388 Ethics in Engineering Technology	1
MET 4499 Capstone	4
MET 4398 Internship	3
SELECT ONE CONCENTRATION (12 Credits)	
<i>Computer-Aided Design & Manufacturing (Select 4 courses)</i>	
MET 3362 Industrial Work Measurement	3
MET 4323 Applications Stress Analysis	3
MET 4341 Materials Selection & Management	3
MET 4360 Fund of Biomechanics	3
MET 4365 Computer-Aided Design II	3
MET 4384 Manufacturing Systems Control	3
<i>Petroleum Technology (Select four courses)</i>	
MET 4326 Fundamentals of Offshore Systems	3
MET 4328 Fundamentals of Pipeline Design	3
MET 4330 Valve Design	3
MET 4332 Fundamentals of Drilling Technology	3
MET 4337 Downhole Drilling Tools/Tech	3
GENERAL ELECTIVES (6 credits)	
	3
	3
TOTAL NUMBER OF CREDITS	130