

**CURRICULUM LEADING TO THE DEGREE
OF BACHELOR OF SCIENCE IN
MECHANICAL ENGINEERING TECHNOLOGY
(131 Credits)**

FRESHMAN

First Semester	Credits	Second Semester	Credits
E 150 English Composition I (NP).....	3	E 151 English Composition II (PR: E150).....	3
M 152 Pre-calculus (NP).....	3	M 153 Calculus I (PR: M152).....	3
EAET 150 Basic CAD (NP).....	3	H 250 History (NP).....	3
PE 150 / MS 101 <i>or</i> HED 151 (NP).....	2	C 150 General Chemistry (NP).....	3
EAET 170 Intro. To Engineering Technology (NP).....	3	C 151 General Chemistry Lab (CR: C150).....	1
UNIV 101 Intro. Univ. Community (NP).....	2	CS 150 Computer Science (NP).....	3
	16		16

SOPHOMORE

First Semester	Credits	Second Semester	Credits
MET 200 Advanced CAD (EAET 150).....	3	P 255 General Physics II (PR: P254).....	3
M 163 Calculus II (PR: M153 <i>or</i> M158).....	3	P 253 General Physics II Lab (CR: P255)	1
P 254 General Physics I (PR: M153 <i>or</i> M158).....	3	EAET 250 Tech. Communications (PR: E151).....	3
P 251 General Physics I Lab (CR: P254)	1	E 250 or E 251 World Literature (PR: E151).....	3
ET 212 Statics (PR: M152).....	3	ET 213 Strength of Materials (ET 212).....	3
MET 221 Machine Tool Lab. (NP)	3	A 250 / MU 250 <i>or</i> Drama 254 (NP).....	3
M 250 Linear Algebra (PR: M153).....	3		
	19		16

JUNIOR

First Semester	Credits	Second Semester	Credits
SOC 250 or PSY 250 (NP).....	3	EET 230 Circuit Analysis (PR: M153 <i>or</i> M158).....	3
EAET 310 Engineering Computing (PR:CS 150).....	3	MET 380 Des. of Mat. Element (PR: ET 213).....	3
MET 325 Kinematics (PR: P254/P251).....	3	ET 313 Dynamics (PR: ET 212).....	3
ET 421 Thermodynamics (PR: M163 <i>or</i> M168/ P251/ P254)	3	MET 422 Applied Thermodynamics (PR: ET 421).....	3
EAET 255 Engineering Economics (PR: M152)	3	MET 340 Manufacturing Processes (PR: MET 221)...	3
ETS African American History (NP)	3		
	18		15

SENIOR

First Semester	Credits	Second Semester	Credits
MET 425 Microcomputer Appl. (PR: ET 310).....	3	MET 435 Heat Transfer (PR: ET 421).....	3
CET 415 Fluid Mechanics (PR: ET 313).....	3	CET 417 Mechanics of Mat. Lab.(PR:ET 213)	3
MET 450 Engineering Materials (PR: ET 213).....	3	*Select One	
MET 427 Num. Control Machinery (PR: MET 221)...	3	*MET 428 CNC Machine Tools <i>or</i> MET 490 Special Topics in Mech. Eng. (PR: Senior Standing).....	3
MET 459 Senior Proj. Proposal (PR: Senior Standing)	1	MET 460 Senior Project (PR: MET 459)	3
Restricted Elective (Select One)	3	Elective	3
EAET 410 Engineering Ethics <i>or</i>			
EAET 411 Role of Engineers (PR: Senior Standing)	16		15

University/Departmental Policy requires that all students must pass the English Proficiency Examination.

Abbreviations: NP-No Prerequisites, PR-Prerequisite, CR-Co-requisite

Acceptable Minimum Passing Grades: "C" for all MET, ET and EAET courses; "C" for E150 and E151, "D" for Math courses, Computer Science, Chemistry, Physics, English Literature, Art/Drama/Music, Sociology and Psychology courses.