

DEGREE REQUIREMENTS RECORD FORM

DEPARTMENT OF MECHANICAL ENGINEERING

Catalog 2021-2023 Proposed Date of Graduation _____

Student's Name: _____ SUID: _____ Advisor: _____
Last First Middle

First Semester

FRESHMAN YEAR

Second Semester

Course	Dept	No	Cr	Grd	Sem	Yr
Freshman Engr I	ENGR	120B	2			
Freshman Composition	SENL	101B	3			
Calculus I	SMAT	211B	4			
General Chemistry I	SCHE	132B	3			
General Chemistry I Lab	SCHE	132LB	1			
Life Science Elec*			3			
Total			16			

Course	Dept	No	Cr	Grd	Sem	Yr
Freshman Engr II	ENGR	130B	2			
Freshman Composition	SENL	102B	3			
Calculus II	SMAT	212B	4			
General Physics I	SPHY	213B	3			
General Physics I Lab	SPHY	213LB	1			
Economics	SECO	211B	3			
Total			16			

First Semester

SOPHOMORE YEAR

Second Semester

Course	Dept	No	Cr	Grd	Sem	Yr
Statics*	CIEN	224B*	3			
Calculus III	MATH	364B	4			
Tech Communications	ENGR	230B	2			
General Physics II	SPHY	215B	3			
General Physics II Lab	SPHS	214LB	1			
Social Science Elect*			3			
Total			16			

Course	Dept	No	Cr	Grd	Sem	Yr
Diff Equations for Engr ‡	ENGR	330B	3			
Dynamics	MEEN	225B	3			
Mechanics of Materials	MEEN	227B	3			
Materials Sci & Engr	MEEN	235B	3			
Intro to CADD	MEEN	252B	2			
E. E. Fundamentals	ELEN	352B	3			
Total			17			

First Semester

JUNIOR YEAR

Second Semester

Course	Dept	No	Cr	Grd	Sem	Yr
Num Methods for Engr	MEEN	221B	3			
Thermodynamics I	MEEN	300B	3			
Fluid Mechanics §	MEEN	312B	3			
Materials Processing	MEEN	335B	3			
Mechanics of Machines	MEEN	350B	3			
Health/PE Activity*			2			
Total			17			

Course	Dept	No	Cr	Grd	Sem	Yr
Thermodynamics II	MEEN	301B	3			
Measurements	MEEN	356B	3			
Machine Design	MEEN	365B	3			
Matl Sci & Engr Elect			3			
Probability & Statistics	ENGR	320B	2			
History Elective*			3			
Total			17			

First Semester

SENIOR YEAR

Second Semester

Course	Dept	No	Cr	Grd	Sem	Yr
Heat Transfer	MEEN	442B	3			
ME Senior Design I	MEEN	450B	2			
Thermal Science Elect			3			
History Elective*			3			
Literature Elective**			3			
Total			14			

Course	Dept	No	Cr	Grd	Sem	Yr
Engineering Economy	CIEN	310B	3			
Engr Model & Control †	MEEN	456B	3			
ME Senior Design II	MEEN	451B	2			
Engineering Seminar	ENGR	400B	1			
General Tech Elective#			3			
Arts Elective*			3			
Total			15			

OTHER REQUIREMENTS:

Course	Dept	No	Cr	Grd	Sem	Yr
African American Experience**			3			
Service Learning	SVLR	400B, 300B, 200B, 100B	3			
Writing Proficiency	ENGL	001B	0			
Dept. Comp Exam	MEEN	000B	0			

APPROVED:

Faculty Advisor: _____
Date: _____
Dept. Chair: _____
Date: _____
Academic Dean: _____
Date: _____

* Choose from the General Education Requirements list, see the catalog

** May satisfy both requirements, other courses may be taken, see the catalog

The courses listed under Thermal Science and Materials Science & Engineering may also count as one of the general technical elective courses.

* CIEN 224 is considered **core course** for mechanical engineering students.

‡ MATH 370B is acceptable; § - CIEN 321 is acceptable/equivalent; † - ELEN 431 is acceptable/equivalent

Notes:

SPR = Spring, SUM = Summer, etc... T = TRANSFER, S = SUBSTITUTION (indicates a course substitution form is required)