



* Prerequisites not shown

→ Prerequisite

--- Corequisite



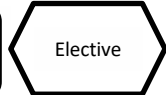
Computer Core Course



Writing Requirement



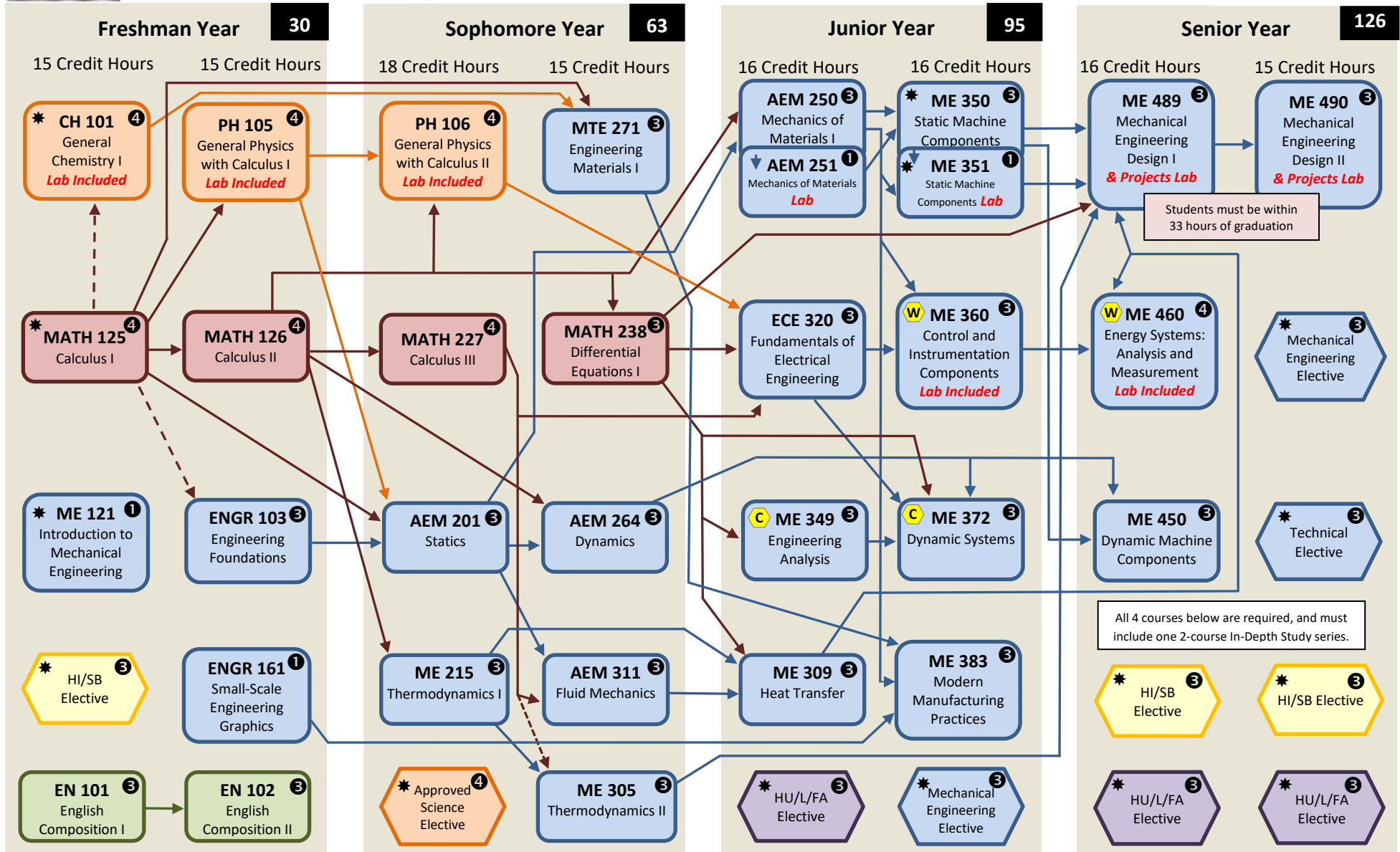
Required Course



Elective

Fall 2021

126 Semester Hours



Color Key:

Engineering	Natural Science
Mathematics	Freshman Composition
Humanities	Social & Behavioral Sciences

POLICY ON ME ELECTIVES

Each student may select any two ME electives to satisfy the requirements of ME elective courses. The technical elective requirement may be satisfied with an additional ME Electives or a 300-400 level engineering, math, or science course by prior petition.

POLICY ON HUMANITIES AND SOCIAL SCIENCES

Students must satisfy College of Engineering Core curriculum requirements. These include 9 semester hours of humanities (HU), literature (L), and arts (FA) courses. Nine semester hours are also required in history (HI) and social and behavioral sciences (SB). Six of these 18 semester hours must be from a single discipline (Depth Study). There is no mandatory requirement of literature or fine arts in mechanical engineering.

ENGINEERING REGISTRATION AS A PROFESSIONAL ENGINEER

Engineering is a profession requiring state registration to become a "Professional Engineer." The first step towards becoming registered is passing the Fundamentals of Engineering Exam. Students are strongly encourages to pass the Fundamentals of Engineering Exam before they graduate.

APPROVED MATH/SCIENCE ELECTIVE COURSES

Science Electives	Prerequisites
AY 101 and 102	None required
AY 203 and 204	None required
BSC 108	None required
BSC 108	None required
BSC 114 and 115	None required
BSC 118	Co-Req. CH 101 or CH 117
CH 102	CH 101
CH 118	CH 117
GEO 101	None required
GEO 102	None required
GEO 105	None required
GY 101	None required
GY 102	None required
GY 207	None required
PH 253 and 255	PH 106

MECHANICAL ENGINEERING ELECTIVE COURSES

ME Electives	Prerequisites	ME Electives	Prerequisites
ME 308	ME 305	ME 471	MATH 238, PH 106, ECE 320 or ECE 225
ME 364	AEM 264	ME 472	ME 360, ME 372
ME 377	MATH 238, PH 106	ME 475	ME 349, ME 372
ME 380	PH 105, APPROVAL	ME 480	ME 380
ME 406	ME 305	ME 483	ME 383
ME 407	ME 305, ME 309	ME 484	INSTRUCTOR APPROVAL
ME 411	ME 309	ME 485	AEM 250, ENGR 161
ME 414	ME 309	ME 491	Varies
ME 416	ME 305, ME 309, ECE 320 or ECE 225	AEM 313	AEM 311, AEM 264, MATH 238
ME 417	ME 305	AEM 341	AEM 249, AEM 250
ME 418	ME 305	AEM 360	AEM 311, MATH 238
ME 421	GES 225 or GES 400 or ME 349	AEM 368	AEM 249, AEM 264, AEM 311, MATH 237, MATH 238
ME 424	ME 383	AEM 413	AEM 311, ME 215
ME 426	ME 305	AEM 415	INSTRUCTOR APPROVAL
ME 430	GES 225 or GES 400/500 or ME 349	AEM 416	AEM 264, AEM 311, MATH 238
ME 440	AEM 250/251, MTE 271, ME 350, ME 383	AEM 446	AEM 250
ME 448	ME 349, MATH 238, AEM 201, AEM 264	AEM 453	INSTRUCTOR APPROVAL
ME 452	MATH 238	AEM 455	MATH 238, PH 105
ME 454	ECE 320 OR 225	AEM 469	AEM 264, MATH 238
ME 456	ME 360, ME 372	AEM 474	AEM 264, AEM 2341, MATH 237, MATH 238
ME 458	ME 360, ME 372	AEM 481	ME 215, ME 349, MATH 238
ME/AEM 470	ME 372, AEM 250	AEM 484	INSTRUCTOR APPROVAL

MECHANICAL ENGINEERING APPROVED TECHNICAL ELECTIVES

College of Engineering	College of Arts & Sciences
AEM 452, 470, 471, 500:599	Astronomy (AY) 421, 433, 450
CHE 412, 418, 440, 445, 480	Biological Sciences (BSC) 300, 303, 310, 314, 315, 320, 325, 340, 360, 371, 373, 376, 380, 385, 393, 412
CE 331, 320, 378	
ECE 326, 340, 350, 380	
GES 400, 410, 473	Chemistry (CH) 231, 232
All ME elective courses (one course cannot serve as both an ME and a technical elective)	Mathematics (MATH) 237, 301, 343, 355, 371, 382, 410, 420, 421, 441, 470, 485, 486
MTE 412, 439, 450, 455, 487	Physics (PH) 301, 302, 331, 411, 434, 471, 488