



* Prerequisites not shown

→ Prerequisite

--- Corequisite



Computer Core Course



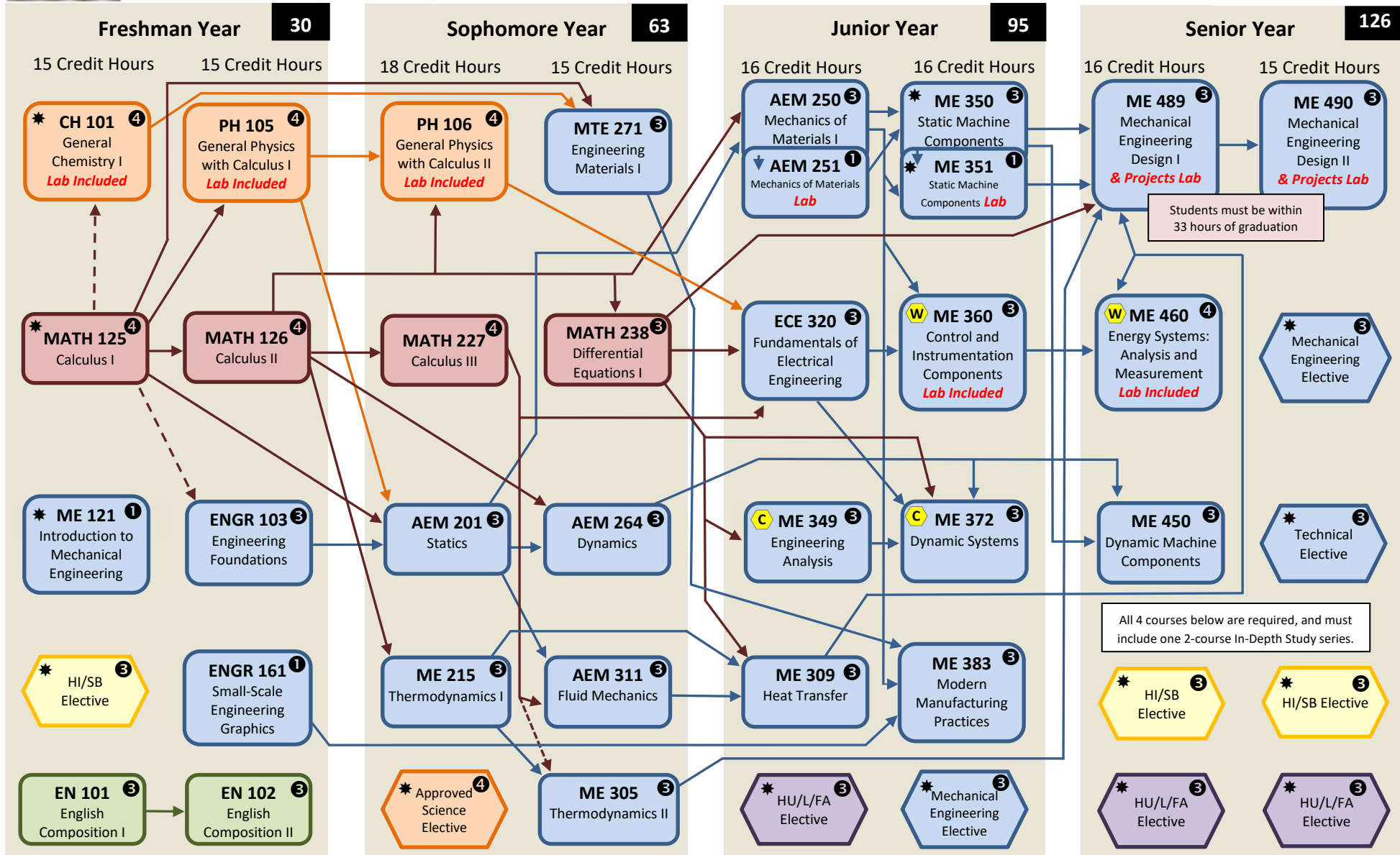
Writing Requirement



Credit Hours

Fall 2021

126 Semester Hours



Color Key:

Engineering	Natural Science
Mathematics	Freshman Composition
Humanities	Social & Behavioral Sciences

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 encouraged to pass the Fundamentals of Engineering Exam before they graduate.

MECHANICAL ENGINEERING APPROVED TECHNICAL ELECTIVES

College of Engineering	College of Arts & Sciences
AEM 452, 455, 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 320, 331, 378	
ECE 326, 340, 350, 380	
GES 410	Chemistry (CH) 231, 232
All ME elective courses.	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
	GY 450,470

APPROVED MATH/SCIENCE ELECTIVE COURSES

Science Electives	Prerequisites
AY 101 and 102	None required
AY 203 and 204	MATH 113 or MATH 115 or MATH 125 or MATH 145
BSC 108	None required
BSC 109	None required
BSC 114 and 115	None required
BSC 118	Honors attribute or ACT score of 28 or higher
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 364	AEM 264	AEM 408	AEM 413
ME 377	MATH 238, PH 106	AEM 413	AEM 311, ME 215
ME 380	INSTRUCTOR APPROVAL	AEM 415	INSTRUCTOR APPROVAL
ME 406	ME 305	AEM 416	AEM 264, AEM 311, MATH 238
ME 407	ME 305, ME 309	AEM 446	AEM 250
ME 411	ME 309	AEM 453	AEM 250
ME 414	ME 309	AEM 455	MATH 238, PH 105
ME 416	ME 305, ME 309, ECE 320 or ECE 225	AEM 469	AEM 264, MATH 238, MATH 237, AEM 360, ME 349
ME 417	ME 305	AEM 470	AEM 264, MATH 238, AEM 250
ME 421	GES 255 or GES 400 or ME 349	AEM 474	AEM 264, AEM 341, MATH 237, MATH 238
ME 424	ME 383	AEM 484	AEM 360
ME 426	ME 305	GES 255	ENGR 103, Co-req. MATH 126
ME 430	GES 255 or GES 400/500 or ME 349	GES 400	MATH 126
ME 440	AEM 250/251, MTE 271, ME 350, ME 383	*MFE 201	MFE 190 or ME 121
ME 442	AEM 250/251, MTE 272, ME 349, and ME 350	*MFE 202	MFE 190 or ME 121
ME 446	AEM 250/251 and ME 349	*MFE 203	MFE 201 and MFE 202
ME 448	ME 349, MATH 238, AEM 201, AEM 264	*MFE 222	MFE 203
ME 452	MATH 238	*MFE 224	MFE 203
ME 454	ECE 320 OR ECE 225	*MFE 226	MFE 203
ME 456	ME 360, ME 372	*MFE 232	MFE 203
ME 458	ME 349, ME 372	*MFE 262	MFE 203
ME 470	ME 372, AEM 250	MFE 290	ENGR 103
ME 471	MATH 238, PH 106, ECE 320 or ECE 225	*MFE 302	MFE 202
ME 472	ME 360, ME 372	*MFE 303	MFE 203
ME 475	ME 349, ME 372	*MFE 326	MFE 226
ME 480	ME 380	MFE 332	GES 400
ME 484	INSTRUCTOR APPROVAL	*MFE 338	MFE 262
ME 491	Varies	MFE 342	AEM 250, AEM 251, ECE 320
ME 497	INSTRUCTOR APPROVAL	MFE 385	AEM 250, AEM 251, ENGR 161
AEM 313	AEM 311, AEM 264, Co-Req. MATH 238	MFE 442	MFE 342
AEM 341	AEM 249, AEM 250	ME 473	MFE 290, MFE 385
AEM 360	AEM 311, MATH 238	MFE 483	MFE 290, Co-req. ME 383
AEM 368	AEM 249, AEM 264, AEM 311, MATH 237, MATH 238	MFE 485	ME 383

***1 HOUR CLASS**

Updated 12/07/2023