

Mechanical Engineering Prerequisite Tree Diagram

The central trunk shows required math science and engineering courses only.		
The left branches show prerequisite courses for the trunk courses.		The right branches show courses that require the trunk courses as prerequisites.
Fall - Freshman Year	SEM. 1	
	CHM101,102	ISE 240
	EGR 105	
PT	MTH 141	EGR 106 MTH 142 MCE 262 PHY 203
MTH 141+ PHY 273+	PHY 203, 273	PHY 204 PHY 205
Spring - Freshman Year	SEM. 2	
	EGR 106	MCE 262 MCE 372
MTH 141+	MTH 142	PHY 204 MTH 243
MTH 141 or PC	PHY 204, 274	ELE 220 IME 240
PHY 203 MTH 142+ PHY 274+		
Fall - Sophomore Year	SEM. 3	
CHM 101 PHY 204	ISE 240	MCE401
MTH 141, EGR 106+ or PI	MCE 262	CVE 220 MCE 263
	MCE 201	
MTH 142	MTH 243	PHY 205 MTH 244 MCE 341
PHY 203 MTH 243+ PHY 275+	PHY 205, 275	MCE 341
Spring - Sophomore Year	SEM. 4	
	CVE 220	MCE 301 MCE 313
MCE 262+	ELE 220	
PHY 204	MCE 263	MCE 341 MCE 354 MCE 366
MCE 262	MTH 244	MCE 372 MCE 366
MTH 243		
Fall - Junior Year	SEM. 5	
	EGR 316	
SopS	CHE 333	MCE 401
JS or PI	MCE 301	MCE 302
CVE 220	MCE 341	MCE 448
MCE 263 MTH 243 PHY 205+	MCE 354	MCE 313 MCE 448
MTH 243 MCE 263 or PI	MCE 372	MCE 366 MCE 448
EGR 106 MTH 244 and JS		
Spring - Junior Year	SEM. 6	
	MCE 302	
MCE 201 MCE 263 MCE 301	MCE 313	MCE 414
MCE 354 CVE 220 MCE 341	MCE 366	
MTH 244 MCE 263	MCE 448	MCE 401 MCE 414
MCE 341 MCE 354 MCE 372		
Fall - Senior Year	SEM. 7	
CHE 333+, ISE 240, MCE 302, 366 & 448, or PI	MCE 401	MCE 402
MCE 313 MCE 448+	MCE 414	
Spring - Senior Year	SEM. 8	
	MCE 401	
MCE 401	MCE 402	

Notes:

+ - credit or concurrent registration is required

PT - placement test is required

PC - permission of a Chairperson is required

PI - permission of an Instructor is required

SopS – sophomore standing is required

JS – junior standing is required

MCE420 must be taken in the semester following 401 in the same academic year