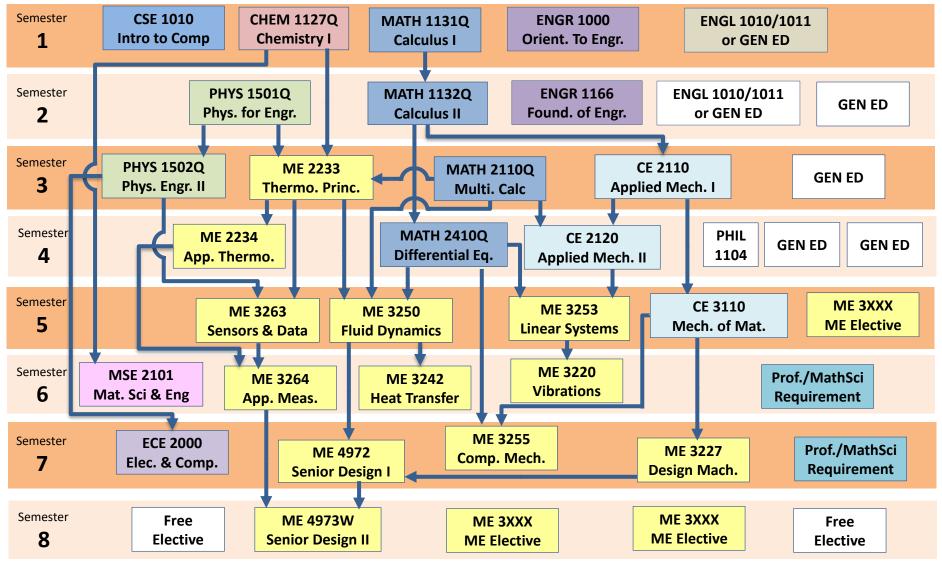
Mechanical Engineering Curriculum Map

(down arrows indicate pre-requisite, horizontal arrows indicate co-requisite)



Professional Requirement

Two courses at the 2000 level or higher in engineering, mathematics, statistics, physical, or life sciences

Additional Math and Science Requirement

6 credits in 1000 level or higher mathematics, statistics, physics, or life sciences. For a complete list of courses that satisfy this requirement, see your advisement report.

Note: 2000 level or higher mathematics, statistics, physics, or life sciences courses may be used to satisfy both requirements.

Catalog Year: 2019-2020

Mechanical Engineering Curriculum

Freshman Fall			Freshman Spring		
Course	Title	Credits	Course	Title	Credits
ENGL 1010/101	1 Composition	4	4 MATH 1132Q Calculus II		4
MATH 1131Q Calculus I		4	ENGR 1166 Found. of Engineering		3
CHEM 1127Q	Chemistry I	4	PHYS 1501Q	Physics for Eng. I	4
ENGR 1000	Orien. to Engineering	1	Content Area ²		_ 3
CSE 1010	Intro. to Computing	3	Content Area	2	_ 3
Total Credits		16	Total Credits		17
Sophomore	e Fall		Sophomor	e Spring	
Course	Title	Credits	Course	Title	Credits
CE 2110	Applied Mechanics I	3	CE 2120	Applied Mechanics II	3
	Multi. Calculus	4	MATH2410Q		3
ME 2233	Thermodynamic Principles	3	ME 2234	Applied Thermodynamics	3
PHYS 1502Q ¹	Physics for Eng. II	4	PHIL 1104	Ethics (CA-1)	3
Content Area ²		3	Content Area		3
			Content Area		3
Total Credits		17	Total Credits		18
Junior Fall			Junior Spri	ng	
Course	Title	Credits	Course	Title	Credits
CE 3110	Mechanics of Materials	3	ME 3220	Mechanical Vibrations	3
YY XXXX	Prof & Math/Sci Requireme	nt^3 3	ME 3242	Heat Transfer	3
ME 3250	Fluid Dynamics I	3	ME 3264	App. Measurements Lab	3
ME 3253	Linear Systems Theory	3	MSE 2101	Materials Science & Eng.	3
ME 3263	Intro. to Sensors & Data	3	ME 3XXX	ME Elective ⁴	3
Total Credits		15	Total Cred	Total Credits	
Senior Fall			Senior Spr	Senior Spring	
Course	Title	Credits	Course	Title	Credits
ME 3227	Design of Machine Elem.	3	ME 4973W	Senior Design Project II	3
ME 3255	Comput. Mechanics	3	ME 3XXX	ME Elective ⁴	3
ME 4972	Senior Design Project I	3	ME 3XXX	ME Elective ⁴	3
YY XXXX	Prof & Math/Sci Requireme	nt^3 3		Free Elective	3
ECE 2000	Elec. & Comp. Principles	3		Free Elective	3
Total Cred	its	15	Total Cred	its	15
Total Credits for 4 years					128

¹ PHYS1401Q & 1402Q or PHYS 1201, 1202, & 1230(or 1530) can substitute for the PHYS1501Q & 1502Q sequencing. Only 8 credits for courses numbered PHYS 1201Q through 1602Q may be applied toward the degree. For more information please visit: https://catalog.uconn.edu/school-of-engineering/

² CA = Content Area in General Education Requirements For a current list, visit: https://catalog.uconn.edu/general-education/.

³ Professional Requirements are 2000 level or higher in engineering, mathematics, statistics, physical, or life sciences. The Additional Math & Science Requirement is 6 credits in 1000 level or higher mathematics, statistics, physics, or life sciences. For a complete list of courses that satisfy this requirement, see your advisement report. **Most 2000 level or higher mathematics, statistics, physics, or life sciences courses may be used to satisfy both requirements.**

⁴ Students who wish to pursue an area of concentration should choose classes within their chosen concentration. For more information visit: http://me.engr.uconn.edu/education/areas-of-concentration/