

Mechanical Engineering Curriculum

Freshman Fall

Course	Title	Credits
ENGL 1010/1011	Composition	4
MATH 1131Q	Calculus I	4
CHEM 1127Q	Chemistry I	4
ENGR 1000	Orien. to Engineering	1
CSE 1010	Intro. to Computing	3

Total Credits 16

Freshman Spring

Course	Title	Credits
MATH 1132Q	Calculus II	4
ENGR 1166	Found. of Engineering	3
PHYS 1501Q ¹	Physics for Eng. I	4
Content Area ²	_____	3
Content Area ²	_____	3

Total Credits 17

Sophomore Fall

Course	Title	Credits
CE 2110	Applied Mechanics I	3
MATH2110Q	Multi. Calculus	4
ME 2233	Thermodynamic Principles	3
PHYS 1502Q ¹	Physics for Eng. II	4
Content Area ²	_____	3

Total Credits 17

Sophomore Spring

Course	Title	Credits
CE 2120	Applied Mechanics II	3
MATH2410Q	Differential Equations	3
ME 2234	Applied Thermodynamics	3
PHIL 1104	Ethics (CA-1)	3
Content Area ²	_____	3
Content Area ²	_____	3

Total Credits 18

Junior Fall

Course	Title	Credits
CE 3110	Mechanics of Materials	3
YY XXXX	Prof & Math/Sci Requirement ³	3
ME 3250	Fluid Dynamics I	3
ME 3253	Linear Systems Theory	3
ME 3263	Intro. to Sensors & Data	3

Total Credits 15

Junior Spring

Course	Title	Credits
ME 3220	Mechanical Vibrations	3
ME 3242	Heat Transfer	3
ME 3264	App. Measurements Lab	3
MSE 2101	Materials Science & Eng.	3
ME 3XXX	ME Elective ⁴	3

Total Credits 15

Senior Fall

Course	Title	Credits
ME 3227	Design of Machine Elem.	3
ME 3255	Comput. Mechanics	3
ME 4972	Senior Design Project I	3
YY XXXX	Prof & Math/Sci Requirement ³	3
ECE 2000	Elec. & Comp. Principles	3

Total Credits 15

Senior Spring

Course	Title	Credits
ME 4973W	Senior Design Project II	3
ME 3XXX	ME Elective ⁴	3
ME 3XXX	ME Elective ⁴	3
	Free Elective	3
	Free Elective	3

Total Credits 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/>