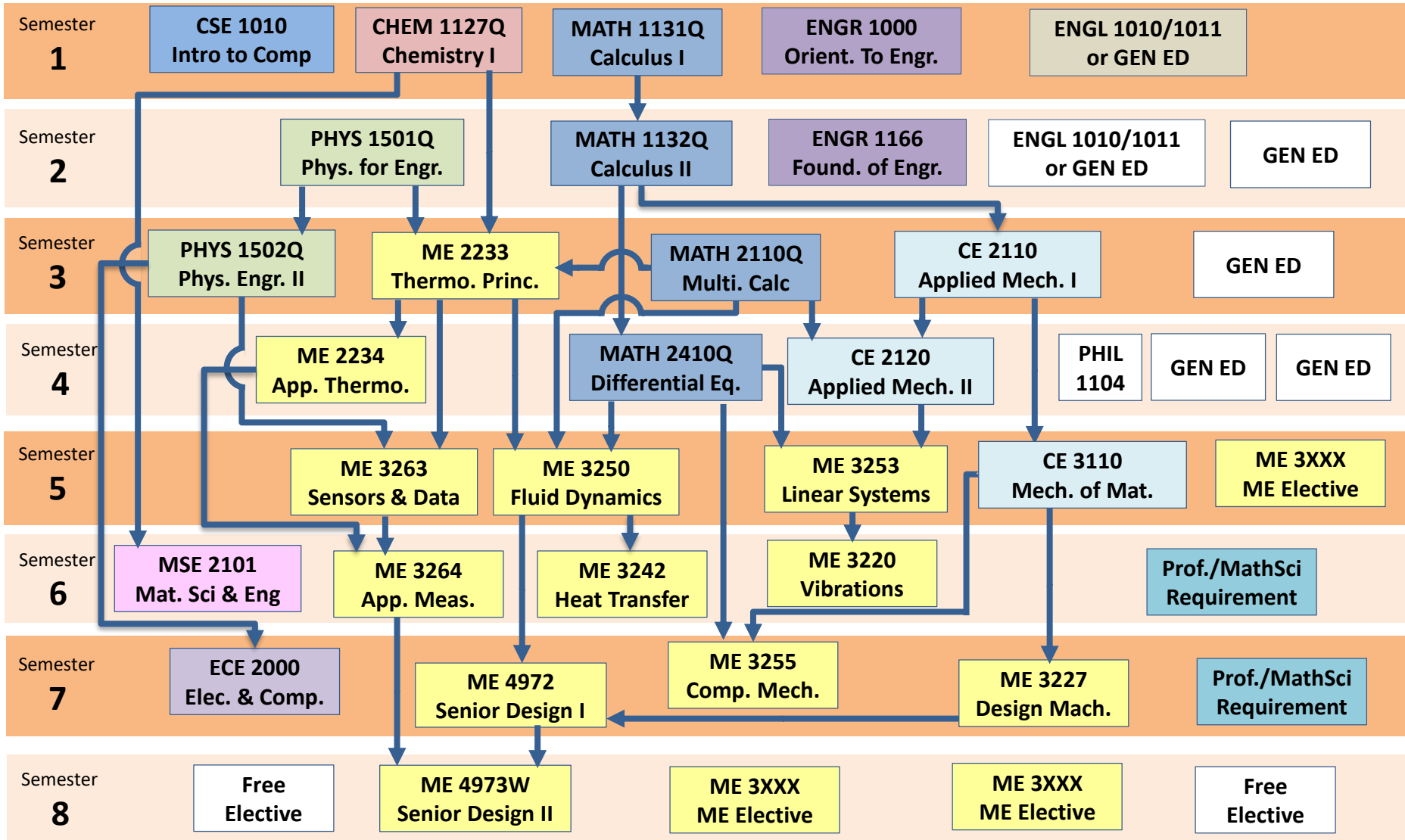


Mechanical Engineering Curriculum Map

(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

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

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.

You must meet with your academic advisor at least once every semester to ensure you are making satisfactory progress towards your degree.

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/>