

# 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	Orient. to Engineering	1
CSE 1010	Intro. to Computing	3

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**Total Credits** **16**

## Freshman Spring

Course	Title	Credits
MATH 1132Q	Calculus II	4
ENGR 1166	Found. of Engineering	3
PHYS 1501Q	Physics for Engr. I	4
GEN ED	Content Area Course	3
GEN ED	Content Area Course	3

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**Total Credits** **17**

## Sophomore Fall

Course	Title	Credits
CE 2110	Applied Mechanics I	3
MATH2110Q	Multivariable Calculus	4
ME 2233	Thermodynamic Principles	3
PHYS 1502Q	Physics for Engr. II	4
GEN ED	Content Area Course	3

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**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	3
GEN ED	Content Area Course	3
GEN ED	Content Area Course	3

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**Total Credits** **18**

## Junior Fall

Course	Title	Credits
CE 3110	Mechanics of Materials	3
ME 3xxx	ME Elective	3
ME 3250	Fluid Dynamics I	3
ME 3253	Linear Systems Theory	3
ME 3263	Intro. to Sensors & Data	3

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**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
YYY xxxx	Prof. Requirement	3

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**Total Credits** **15**

## Senior Fall

Course	Title	Credits
ME 3227	Design of Machine Elem.	3
ME 3255	Computational Mechanics	3
ME 4972	Senior Design Project I	3
ME 3xxx	ME Elective	3
ECE 2000	Elec. & Comp. Principles	3

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**Total Credits** **15**

## Senior Spring

Course	Title	Credits
ME 4973W	Senior Design Project II	3
ME 3xxx	ME Elective	3
YYY xxxx	Prof. Requirement	3
	Free Elective	3
	Free Elective	3

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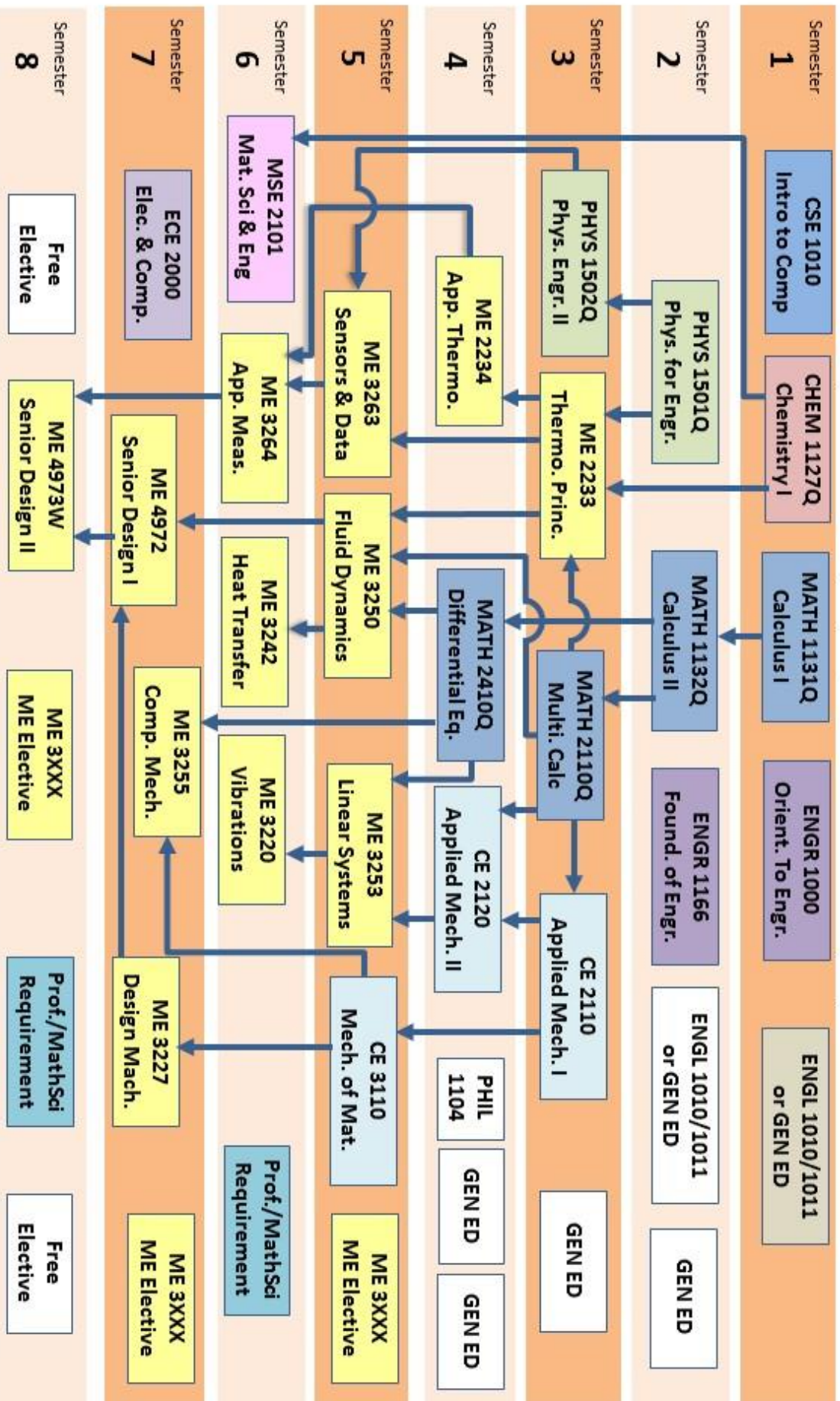
**Total Credits** **15**

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**Total Credits for 4 years** **128**

# 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.