

# MECHANICAL SCIENCES, BA

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2nd Major for College Students only.

Students in the College of Arts and Sciences can add Mechanical Sciences as a second major, but it cannot be a student's sole major. College students will receive one degree from the College of Arts and Sciences, with Mechanical Sciences as the second major on the student's transcript.

**For more information:** <https://www.me.upenn.edu/undergraduate/majors-minors/second-major-in-ms/>

## Curriculum

Code	Title	Course Units
<b>Major Requirements</b>		
MEAM 2030	Thermodynamics I	1
MEAM 2100	Statics and Strength of Materials	1
MEAM 2110	Engineering Mechanics: Dynamics	1
MEAM 2470	Mechanical Engineering Laboratory I	.5
MEAM 2480	Mechanical Engineering Lab I	.5
MEAM 3020	Fluid Mechanics	1
MEAM 3210	Dynamic Systems and Control	1
MEAM 3330	Heat and Mass Transfer	1
MEAM 3470	Mechanical Engineering Design Laboratory	1
MEAM 3480	Mechanical Engineering Design Laboratory	1
MEAM 3540	Mechanics of Solids	1
MEAM Electives <sup>1</sup>		2
<b>Total Course Units</b>		<b>12</b>

<sup>1</sup> MEAM Electives: A maximum of one 1000-level course is allowed. ENM 4270 can also count.

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The degree and major requirements displayed are intended as a guide for students entering in the Fall of 2025 and later. Students should consult with their academic program regarding final certifications and requirements for graduation.

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