Fundamentals of Engineering *W*

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Engineering is about combining ideas from mathematics, physics, computer science, and many other fields to design objects and systems that serve human needs. This project-based course introduces the big ideas of engineering and prepares students for taking additional engineering courses at Olin College or MIT. Topics include: the design and construction of mechanisms using rapid prototyping tools such as laser cutters, 3D printers, and computer-aided design software (SolidWorks); modeling and controlling physical systems using the MATLAB programming environments; and feedback and control using digital electronics (Arduino microcontrollers).

CRN: 27290; Credit Hours: 1; Current Enrollment: 7; Seats Available: 9; Max Enrollment: 16;

Meeting Time(s): TF - 12:45 PM - 3:25 PM Loc: Science Center L Wing 003 Wellesley Engineering Laboratory (We-Lab)

Distributions: MM - Mathematical Modeling and Problem Solving; NPS - Natural and Physical Sciences

Prerequisites(s): PHYS 107 or the equivalent, or by permission of the instructor.

Waitlist Type: Centralized Waitlist

First come first serve: Yes

Waitlist Notes: If you are unable to register for this course, please add yourself to the waitlist. Seats will be offered on a first come, first served basis as they become available.