

Workshops held in SE2 Activity Center (1st Floor)

Topic	Descriptions	Time
Speak with an Advisor	An advisor will be present to respond to any quick questions you may have. Presented by: SoE Advising	10:00am-11:00am
Cooking with Solar Energy	The Solar Energy Association will bring out a solar cooker. We will demonstrate how the cooker works and talk about the technology behind solar cooking and solar cooking advancements and applications. Presented by Solar Energy Association	11:00am - 12:00pm
Soldering Workshop	Students will learn about basic electronic components and how to solder them onto a circuit board! Presented by Bobcat Racing EV - Society of Automotive Engineers	12:00pm - 1:00pm
Goal Setting Workshop	- Importance of setting goals (academics, professional, personal) - Breaking down goals into smaller, quantifiable steps - Long-term vs. Short-term goals - Finite vs. Infinite (Goals vs. Vision) Presented by Ingenieros Unidos	1:00pm-2:00pm
Intro to Computer Aided Engineering and Simulation	Session reviews basics of CAD (computer aided design) and using simulation applications as design validation tools for product development process. This involves fluid, heat and statics simulations using programs such as COMSOL, ANSYS & Solidworks. Presented by American Institute of Aeronautics & Astronautics (AIAA)	2:00pm-3:00pm
Crash Course to Rocket Propulsion	In this workshop, I will be teaching the attendees about the various types of rocket propulsion systems that have been developed so far. I will touch in on important parameters used to measure certain aspects associated with said propulsion systems. Some parameters that I will discuss about include specific impulse, mass ratios, exhaust velocity, thrust, and energy/efficiencies. Accompanying diagrams and calculation based examples will ensure that the attendees learn more deeply. If a projector is available, I would like to include PowerPoint slides in order to demonstrate the attendees various diagrams, photographs, etc... As for the length of the workshop, I am not sure how much allotted time I am allowed. I would say an hour should be no more than enough time for this workshop. Presented by American Institute of Aeronautics & Astronautics (AIAA)	3:00pm-4:00pm