

DISCOVER ENGINEERING

Sponsored by the Lola and George Aiken Fund



Discover Engineering is a **FREE** annual event for **youth in grades 5-10*** who want to learn about engineering, build skills and network with engineering students, faculty and professionals.

**SA merit badge workshops are open to youth in grades 5-12.

This hallmark event of UVM's College of Engineering and Mathematical Sciences (CEMS) and Vermont 4-H will happen on **Saturday, February 17, 2024** at the University of Vermont.

The day will have two distinct parts:

- In the morning participants will engage in an **Engineering Scavenger Hunt**. We are going to fill the room with exhibit tables hosted by engineering businesses and CEMS student groups. Each exhibitor will submit a question to include in the scavenger hunt; the answer to the questions can be discovered by visiting the exhibit tables. Collectively, this will allow participants **to learn about different kinds of engineering and career pathways**.
- In the afternoon participants will continue to connect with engineering professionals and UVM engineering students through **hands-on skill-building workshops**.

Discover Engineering will include:

- Inspiring and engaging **skill-building workshops**.
- Informative **exhibit tables** from engineering businesses, organizations and student groups.
- Connection with **engineering professionals** from across Vermont.
- **Morning refreshments, lunch and snacks** will be provided.
- And more!

Check out the list of workshops on the back and register by February 7!

Learn more at www.uvm.edu/extension/youth/announcements

To request language interpretation/translation assistance and/or a disability-related accommodation to participate in this program, please contact lauren.traister@uvm.edu or call 802-656-7565 by January 26, 2024 so we may assist you.



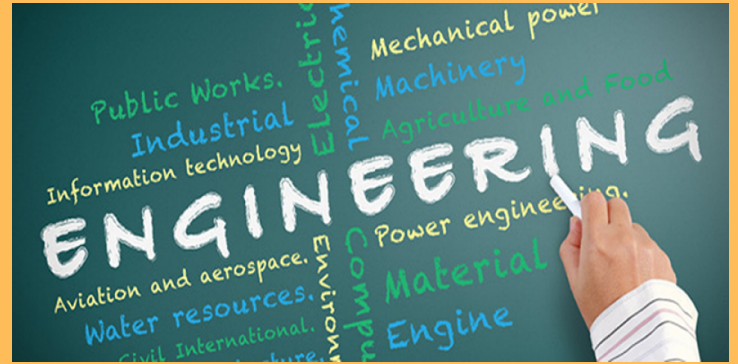
THE UNIVERSITY OF VERMONT
EXTENSION



THE UNIVERSITY OF VERMONT
**ENGINEERING AND
MATHEMATICAL SCIENCES**

Tenative Schedule

9:30 Arrive & Check In
9:45 Welcome
10:00 Engineering Scavenger Hunt
11:15 Lunch
12:15 Workshop 1 / BSA STEM Merit Badges
1:15 Snack Break
1:45 Workshop 2 / BSA STEM Merit Badges continue
3:00 General Departure
4:30 BSA Departure



Workshops Offered

For Everyone

- Learn to Code: Python
- Step into a New Dimension! (double session)
- Build a Car with UVM's AERO!
- Science and Art Unite! Photolithography "Sun Art" with GlobalFoundries
- Designing Bridges
- Precision Measurement and Metallurgy Presentation (double session)
- Biomedical Engineering and Prosthetics
- Robot Olympics: Intro to Coding and Robotics

Scouts BSA STEM Merit Badges

This year's Scouts BSA STEM Merit Badge Day will take place as part of the Aiken Discover Engineering. The Merit Badge opportunities are for registered Scouts BSA and Venturers (Not Cub Scouts), ages 11-17. Badges which can be earned are: Composite Materials, Digital Technology, Communications, Electricity, Engineering, Graphic Arts, Oceanography, Inventing.

Discover Engineering is a program of:



At the end of February is the National Engineering Week (Feb 18-24, 2024). UVM Extension 4-H and the UVM College of Engineering and Mathematical Sciences have teamed up to host a variety of programs all month long to promote the field of engineering and help youth understand different pathways they can take to pursue a future as an engineer. Check out 4-H World Changers: Learn to Code and VTTeen 4-H Science Pathways Cafe and, in March, the STEM Showcase 6.0 at www.uvm.edu/extension/youth/announcements.