

SUNY Canton invites students of all ages and their families to celebrate Engineers Week. Students and families are welcome to tour the engineering building (Nevaldine) to learn about the current engineering programs available at Canton.

Program	Degree	Description
PHYS	Minor	Applied Physics
EC&M	Certificate	Electrical Construction and Maintenance
AT	A.A.S.	Automotive Technology
CET	A.A.S.	Civil Engineering Technology
CIS	A.A.S.	Computer Information Systems
CTM	A.A.S.	Construction Technology Management
EET	A.A.S.	Electrical Engineering Technology
ENGS	A.S.	Engineering Science
GT	A.A.S.	General Technology
HVAC	A.A.S.	HVAC Engineering Technology
HVAC	A.O.S.	HVAC Trades
MET	A.A.S.	Mechanical Engineering Technology
CEET	B.Tech	Civil & Environmental Engineering Technology
EET	B.Tech	Electrical Engineering Technology
GAME	B.S.	Game Design & Development
GMMD	B.S.	Graphic & Multimedia Design
ITM	B. Tech	Industrial Technology Management
IT	B.Tech	Information Technology
MET	B.Tech	Mechanical Engineering Technology

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ENGINEERS WEEK

OPEN HOUSE

FEBRUARY 6 • 5PM - 8PM • NEVALDINE



Activities South Wing: Program Room#

Any Time Is Slushy Time HVAC NS 101
Enjoy this delightful treat and learn about the components that can transform a liquid into ice and be so delicious! They will be made to order!

Mechanical Engineering Technology MET NS 106
Design, manufacturing, and machine shop, come and see some of the machine elements. Manufactured and 3D model of mechanical parts and a typical machine shop lab.

Hydraulic Culvert HVAC NS 110
Visualize how water flows under roadways

Drag yourself into the racetrack! MET NS 111
In this lab, you will build air dragsters and race in the racetrack!

Virtual Reality (VR) in Architecture, construction, and Engineering NS 119
See the future of virtual reality in engineering and construction applications

What's Under the Hood? AT NS 124
Learn about the importance of checking and maintaining car fluids

Personalized 3D Printed Token MET NS 138
Learn about 3D modeling and printing while a SUNY Canton token personalized with your name is made as you watch.

Activities North Wing: Program Room#

Build a Secret Electronic Alarm and Learn Soldering EET NN 118
This is a perfect electrical engineering device to scare off someone who opens your desk, dresser, file cabinet, lunch box, etc. Simply turn the arming switch to the on position. You have a couple of seconds to put your Secret Alarm in a desk and close the drawer. The next time someone opens it, a loud obnoxious noise comes from the horn until the unit is reset. Uses sensitive CDS and SCR circuit to respond to light. As long as it is kept in the dark it is quiet, but when light hits the sensor, WATCH OUT!

Animating in Autodesk Maya for Movies and Games GAME NN 119
“This demonstration will show various methods that characters, and objects are animated in state-of-the-art software for movies and games. Maya’s interface and how to move limbs and lip syncing will be covered. “

Binary Code Birthday Bracelets NN 128
Visit the computer lab to learn what binary code is, how computers use binary numbers, and how to convert from the decimal number system to the binary number system. Attendees can then use this knowledge to make friendship bracelets that have their birthday spelled out in binary code.

Fuel Cell Technology PHYS NN 129
Students will have hands on basic knowledge of fuel cell technology; how it works and its applications.

STEM ScavenHER Hunt
Discover the achievements of influential women in STEM through our scavenger hunt! Complete a fun fill-in-the-blank handout, and you’ll be entered into a raffle for an exciting prize. Don’t miss your chance to learn and win!



Engineers Week Competition

PolyForce Bridge Challenge

Location: Lobby between Nevaldine North and Nevaldine South

Discover the PolyForce Bridge Challenge! Students compete to craft the strongest, lightest plastic bridges, racing against time for construction. It’s an exhilarating test of engineering, creativity, and speed. Join us for this thrilling event blending innovation and competition in a race for structural excellence!

Juniors and Seniors on the winning team will receive a scholarship to SUNY Canton!

Registration: 5:00 - 5:30PM

Building: 5:30 - 6:30PM

Testing: 6:30 - 7:15 PM

Winner Declared: 7:30 PM

