

**REGISTER BY
MAY 31, 2017!**

**SPACE IS
LIMITED!**

**\$30 REGISTRATION
FEE FOR EACH 2-DAY
SESSION**



Registration fee is non-refundable for cancellations received after June 1, 2017.

**Southwest
Tech**
1800 Bronson Boulevard
Fennimore, WI 53809



Facilities at Southwest Wisconsin Technical College are handicap accessible. To request special facility accommodations, contact the Superintendent of Building and Grounds, Bldg. 400, Room 421, 608-822-3262, Ext. 2401 or Ext. 2400, or e-mail accom@swtc.edu. For academic accommodations, contact the Support Services Specialist, Bldg. 300, Knox Learning Center, 608-822-3262, Ext. 2631, TTY/TDD 608-822-2072, or e-mail accom@swtc.edu.

Southwest Tech
Here. Now.



Experiences in:
Energy
Manufacturing
Engineering
Robotics
Trades

**FOR STUDENTS ENTERING
8TH – 12TH GRADES**

**SOUTHWEST TECH
FENNIMORE, WI**

**JUNE 19 – 22, 2017
8:30 A.M. – 3:30 P.M.**

**\$30 REGISTRATION FEE
FOR EACH 2-DAY SESSION**



Southwest Tech is excited to offer Camp ExTREMEx for students entering 8th—12th grade in the 2017-2018 school year. Each two-day session will provide exposure to manufacturing and skilled trades through fun, hands-on activities led by Southwest Tech program instructors.

As a part of the \$30 registration fee per each 2-day session, students will receive a camp t-shirt as well as lunch and snacks on each day they attend.

Sessions will be filled on a first-come, first-serve basis. Students may select from the following sessions and may choose to attend one session on Monday/Tuesday only, one session on Wednesday/Thursday only, or one session on Monday/Tuesday and one session on Wednesday/Thursday.

Monday and Tuesday, June 19 & 20, 2017:

Automation/Instrumentation & Controls (Enrollment Limited to 12 Students)

Day 1: This session will involve participants assembling and programming small robots incorporating optical sensors to perform basic motion and line-following exercises simulating an automated material handling system as used in industry.

Day 2: Students will tour one or more area manufacturing and/or energy production facilities to explore potential career opportunities in the Automation/Instrumentation and Controls fields. Note: Exact activities and tours will be dependent on equipment availability and/or corporate participation.

Computer Numerical Control (Enrollment Limited to 16 Students)

This session will expose students to the precision machining industry. During the two days, students will learn about engine lathes, milling machines, drill presses, saws, precision grinders, and computer numerical control equipment. Students will work on various projects using a variety of materials, including wood, metals, and plastic. For the main project, students will use a CNC mill to make a marble maze from aluminum. In addition, students will learn about hand tools, precision measuring, sharpening, and blueprint reading.

Monday and Tuesday, June 19 & 20, 2017, Continued:

Lineman Challenge (Enrollment Limited to 16 Students)

Learn what it takes to be a lineman. This session will allow students to build an overhead and underground electrical distribution system from the ground up. What makes it so easily understandable is that short power poles will be installed so the students will be constructing the lines at eye level. Students will work in crews, learning how team work is a big part of a lineman's day and how each member of the team depends on others in the crew to get the job done safely and successfully. Students will be exposed to lineman tools, gear, line trade equipment, and learn the many different types of knots linemen use on a daily basis. Students will also learn about electrical safety.

Wednesday and Thursday, June 21 & 22, 2017:

Welding (Enrollment Limited to 16 Students)

This session will expose students to the knowledge and skills needed in several welding processes used in fabrication and construction industries. During the session, students will learn about shop safety and welding processes with a variety of metals. Students will learn to identify materials, operate equipment properly, practice correct procedures, test for strength and appearance, and receive an introduction to blueprints and measuring. Students will complete a fabrication project that will be specified by the instructor.

Laboratory Science Technician/Medical Lab Technician (Enrollment Limited to 12 Students)

Working in a lab setting can be manufacturing related or health related, and this session will take look at both applications. Students will explore the science used in manufacturing to ensure that food is safe and of high quality, and they will practice hands-on procedures that are used in labs to test food for safety and quality. Participants will use microscopes, lab equipment, analyzers, and their brain power to solve a mystery involving food safety in a popular dairy product. As a 'final project', participants will use their knowledge to create an edible delight—homemade ice cream! Students will also use a variety of laboratory equipment to analyze and process different medical-related samples. Using the results of their testing, the students will try to diagnosis their various patients whose lives are depending on the student's ability to solve the mystery behind their symptoms. Testing will focus on the medical laboratory environment with students practicing actual test methods used to identify viruses, microorganisms and cancerous cells.

Camp ExTREMEx Registration Form

Name _____
 Home Address _____
 Home Phone _____ School District _____
 Student Email Address _____
 Grade Entering in the 2017-2018 School Year: _____

Please indicate your session choice(s) below:

Monday & Tuesday, June 19 & 20 (select one only)

- Automation/Instrumentation & Controls
- Computer Numerical Control
- Lineman Challenge

Wednesday & Thursday, June 21 & 22 (select one only)

- Welding
- Lab Science

Circle T-Shirt Size (Adult):

S M L XL 2XL

Please send registration form and check* payable to Southwest Tech for \$30 for each 2-day session by May 31, 2017 to:

Mary Johannesen, Career Prep
 Southwest Tech
 1800 Bronson Blvd.
 Fenimore, WI 53809
 mjohannesen@swtc.edu

*If preferred, payment may be made with credit card by calling
 Southwest Tech's Business Office at 1.800.362.3322, Ext. 2320.