Program Entrance Points & Requirements

General

To enter the IET program, students must meet these criteria:

- High school diploma or the equivalent (documentation must be sent to the registration office)
- Application for admission to ECC
- A placement test as specified by the college (please note: some coursework requires minimum placement results)
- Be prepared to take Applied Algebra & Trigonometry or a higher level math course
- Have reading skills capable of entering English Comp I

Transitions

Qualified IET candidates (including the under-employed, unemployed, veterans, Trade Act participants and non-traditional students) may also take advantage of Transitions, a conduit for students wanting to gain credentials or degrees in manufacturing programs. Transitions prepares students for success by developing math, reading, writing and career preparation skills needed in the manufacturing industry. It also explores ECC’s manufacturing programs and provides students with a support system to assist them with their academic career.

Credit for Prior Learning

Because not all learning takes place in the traditional classroom setting, East Central College provides a way for qualified IET students to translate real-world experience into academic credit. Through ECC Credit for Prior Learning (CPL), students demonstrate their existing knowledge and skills through assessment tests and projects that adhere to ATMAE standards. Those who meet the college-equivalent criteria will receive credit for certain classes, allowing them to complete their IET certificate or degree in a shorter amount of time.

Dual Technical Credit

Qualified high school students can receive both secondary and college credit for certain IET courses. East Central College and Four Rivers Career Center maintain an articulation agreement making the dual technical credit program possible.

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Program of Study

- Associate of Applied Science Degree
- Certificate of Achievement
- Certificate of Specialization
- National Career Readiness Certificate
Industrial Engineering Technology Degree & Certificate Tracks

Founded in 1968, East Central College serves over 4,000 students each semester at the main campus in Union and satellite locations in Rolla, Sullivan, Warrenton and Washington. The college offers over 50 transfer and work-ready degree and certificate programs, with 30 of those in career/technical fields such as Industrial Engineering Technology (IET).

The college’s IET program prepares students to function as maintenance technicians and engineering assistants, who install, maintain and program advanced manufacturing equipment. At the ECC-Washington site (Four Rivers Career Center), IET students receive a quality education from qualified faculty with experience in the field. They are trained in machinery, maintenance and repair, basic electrical principles, motor and process controls, hydraulics, pneumatics, PLCs, robotics, computers and metallurgy. Students also learn the problem-solving, troubleshooting, teamwork and self-management skills sought by business and industry.

Those enrolled in the IET program, which is accredited by the Association of Technology, Management and Applied Engineering (ATMAE), can choose from several completion tracks:

- Associate of Applied Science (66 credit hours)
- Certificate of Achievement (41 credit hours)
- Certificate of Specialization (23 credit hours)
- National Career Readiness Certificate

All students who complete the Introduction to Manufacturing Processes course will also earn their Certified Production Technician (CPT) certificate.

With their hands-on professional training at ECC, students are well-prepared to obtain employment upon completing the IET program. Moreover, local employers know that East Central graduates are well-trained and dependable.