

PROGRAM INFORMATION

Students enrolled in the Engineering Technology (ET) program receive a two-year Associate in Science degree in Engineering Technology with specialization in Advanced Manufacturing or Mechanical Design & Fabrication upon completion of the following 60 credit hours:

18 credit hours - General Education courses

18 credit hours - Engineering Technology Core courses

13 credit hours - Advanced Manufacturing specialization courses

11 credit hours – Technical electives courses

Or

18 credit hours - General Education courses

18 credit hours - Engineering Technology Core courses

12 credit hours - Mechanical Design & Fabrication specialization courses

12 credit hours - Technical elective courses

Contacts:

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Open-Entry / Early-Exit (OE/EE)

In the 2014 fall semester, Polk State College shifted the Engineering Technology Associate of Science program to an Open-Entry/Open-Exit (OE/EE) format. The self-paced hybrid format will offer a direct-assessment and competency-based program combining theory development with hands-on open lab assignments.

The program is a direct response to industry needs and represents a strong partnership between the two-year Engineering Technology Associate of Science degree program, employers, secondary and four-year academic institutions, and regional and state workforce investment entities in Mid-Florida.

Instructional design and delivery: The delivery of the OE/EE Engineering Technology program has four key components:

- Small learning modules in 1 credit-hour courses.
- Hybrid format; hands-on competency-based labs and assessments with the theory delivered online.
- Flexibility (self-paced scheduling, blended learning opportunities, accelerated learning, and advancement based on competency validation).
- Continuous Open Entry/Early Exit registration that allows students to enroll in as many 1 credit-hour courses any time, complete at their pace, and receive grades upon demonstration of

competency. Registration can occur any point within a term. The window to complete a course remains open for five (5) weeks – even across traditional semester breaks.

OE/EE Competency-Based Program Advantages

- 1. Flexibility.** Students attend classes at their convenience and are not penalized for missing a class.
- 2. Skill Development.** Format develops discipline, critical thinking, and problem-solving skills. Students become self-reliant and less dependent on formal instruction.
- 3. Open Enrollment.** Each program course is always open and will never be canceled due to low enrollment.
- 4. Self-paced.** Students can work ahead at an accelerated pace. Courses can be completed and new courses started before the semester ends. Students can graduate in less than two years, which is the typical time frame for completing the program.

Program Expectations

There are no formal class or lecture times. Students must complete each enrolled course within five (5) weeks (26 Business Days). Unfinished courses that are not dropped or withdrawn will receive failing grades and will have to be repeated (at student's expense). Self-discipline, motivation, and commitment are essential ingredients for successful completion. Partial completion of any course sequence may result in no credit transfer.

Courses are initiated by students to meet individual goals. Students work independently in accordance with College policies and under the guidance of a professor. Students follow Polk State's curriculum and graduation requirements. The self-paced option is equivalent in quality and quantity to classroom instruction. Students who choose to engage in self-paced study have equality of rights and privileges with the same access to existing services and resources as students in a regular College program.

Students must discipline themselves to complete online and reading assignments, laboratory experiments, and unit exams. Instructors will be available at the Advanced Technology Center to assist students with questions or problems.

Determination of Drop/Withdrawal dates: Drop and Withdrawal dates are calculated based upon when a student registers for an OE/OE course:

Drop date: Counting the day the student registered, the student has four days to drop a class by 12:00 a.m.

Withdrawal: Counting the day the student registered, the student has fifteen days to withdraw by 12:00 a.m.

Method of Instruction

The method of instruction used to educate ET students is individualized instruction. Instead of scheduled lectures and labs, all material is formatted into self-study modules called units. A course contains several units, and each unit provides information on a competency, concept, or piece of equipment widely used in manufacturing facilities. As you progress through each course, you will have access to all course

material through the Canvas learning management system accessible at www.polk.edu. Students can access Canvas on campus or through their home internet service.

Instructors monitor student progress, verify learned competencies, grade exams and lab reports, and act as academic mentors. Each student will be assigned an instructor/mentor.

The Engineering Technology program is housed at Polk State College's Advanced Technology Center in Bartow, Florida.

The laboratories consist of high-quality equipment that provides numerous hands-on activities. Students develop skills required to construct, operate, analyze, and program equipment they may see in the workplace after graduation.

Course Scheduling

Courses are not scheduled for specific times; instead, all Engineering Technology program courses are self-paced and run simultaneously. At any given time, students present in the ET lab range from beginning to advanced level.

Students can enroll in several 1-credit courses at one time, but need to balance course load with other personal factors (work, personal life, general education classes, etc.). While traditional classroom lecture attendance is not required, most units demand on-campus lab work. All exams are proctored at the Polk State Advanced Technology Center in Bartow. Students will have access to an online scheduling program to reserve lab equipment, schedule an exam, or block off time with an instructor.

Students must meet with an academic advisor and an Engineering Technology Director before signing up for classes. Open Entry/Early Exit students register and start OE/EE classes any time during a semester, and the self-paced work allows students to finish the course any time within 26 business day increments.

Course Articulation

The Engineering Technology department strongly supports industry certifications. Polk State College has an articulation agreement for the MSSC Certified Production Technician (CPT) certification. A student with a valid CPT certification can receive 15 credits toward the program (Industrial Safety, Introduction to Quality, Manufacturing Processes and Materials, Mechanical Measurement & Instrumentation, and Intro to Modern Manufacturing). Present a copy of your certification to the advisor/registrar or ET program Director during registration.

Registration Policy

- Students must meet with the Engineering Technology Director or Academic Advisor/mentor to discuss course registration.
- Course selection is done with the help of the director or advisor. Before the forms are completed, the advisor will advise the student on the number of credits available and in what sequence they should be taken after determining if prerequisites have been completed.
- Registration is performed online on the Polk State website Passport.
- The tuition payment **DEADLINE** is provided when you register.

General Education Courses

General Education courses can be taken before, during, or after the completion of the Engineering Technology course requirements. These courses follow the traditional semester format and credit hours as determined by their respective departments. Please refer to the college catalog for offerings and consult your academic advisor with any questions.

Financial Aid

Financial aid recipients will need to contact Ronshetta Howell, Director, Student Financial Services rhowell@pol.edu 863.669.2955 WAD 131, Winter Haven for information. All students must complete the FAFSA two to three days prior to contacting Ronshetta Howell for an appointment at 863.297.1000 ext. 5064.