The mission of the Computer Systems Engineering Technology (CSET) Department at Oregon Institute of Technology is to prepare our students for productive careers in industry and government by providing an excellent education incorporating industry-relevant, applied laboratory based instruction in both the theory and application of embedded systems engineering. Our focus is educating students to meet the growing workforce demand in Oregon and elsewhere for graduates prepared in both hardware and software aspects of embedded systems.

The CSET department believes strongly in the hands-on education learning model that Oregon Tech is famous for. All of the bachelor programs in the CSET department have two project sequences: Junior Projects – a three-term team based project and Senior Projects - a three-term individual project. In addition, most of the CSET classes have a lab component built into the course.

Students graduating from CSET programs are prepared for a future in designing and implementing large scale enterprise applications. In addition, it provides a solid understanding of object oriented analysis and design, software testing, design patterns, data structures, operating systems, and compiler methods.

**CSET Degrees and Concurrent Programs**

The CSET department has three bachelor degrees and two associate degrees, all of which are accredited by ABET.

- Bachelor of Science in Computer Engineering Technology (CET)
- Bachelor of Science in Embedded Systems Engineering Technology (ESET)
- Bachelor of Science in Software Engineering Technology (SET)
- Associate of Engineering in Computer Engineering Technology
- Associate of Engineering in Software Engineering Technology

The CSET department has also developed the curriculum for concurrent programs. Not accounting for testing out of math courses or transferring credits from another school, these programs typically take five years to complete. However, upon completion, the graduate will have earned TWO bachelor degrees.

- CET and SET
- CET and ESET
- ESET and SET
- SET and Applied Mathematics

Employers That Have Hired Oregon Tech Computer Engineers

- Excell Data Corp.
- Intel Corp.
- International Game Technology (IGT)
- Mentor Graphics
- Montana Department of Revenue

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Hands-on education for real-world achievement.
Oregon Tech
Founded in Klamath Falls in 1947, Oregon Institute of Technology is the only polytechnic university in the Pacific Northwest. Oregon Tech offers innovative and rigorous applied degree programs in the areas of engineering, engineering technologies, health technologies, management, and the arts and sciences. To foster student and graduate success, the university provides an intimate, hands-on learning environment, focusing on application of theory to practice. Oregon Tech is best known for its traditional engineering and technological core, but new degree options (and surprising twists on old ones) are remarkably multi-dimensional. A Geomatics student might use GIS technology to survey an archeological excavation, or a Computer Systems student applies knowledge in algebra, trigonometry, and physics to create system interfaces and networking designs. A Communication Studies major might compile a technical manual for an Oregon Renewable Energy Center project. Information Technology and Health Informatics or Management students might specialize in allied health management. Oregon Tech offers statewide educational opportunities for the emerging needs of Oregon’s citizens and provides information and technical expertise to state, national and international constituents. Oregon Tech has a full-service, residential campus in Klamath Falls and an urban, industry-focused campus in Wilsonville.

Oregon Tech – Accreditation & Rankings
As a public polytechnic university, Oregon Tech is well known for its nationally ranked ABET-accredited engineering programs, technical-education, and health-sciences degrees. Oregon Tech is ranked among the top 10 baccalaureate colleges in the Western US, according to US News & World Report and earns the top spot in return on investment for universities in Oregon, according to ThinkAdvisor. Oregon Tech also ranks among the best undergraduate engineering programs in the nation for universities focused on education (45th among the best undergraduate engineering programs in the BS and MS universities category). All Oregon Tech degree programs offered at the Wilsonville Campus are included under the institutional accreditation by the Northwest Commission on Colleges and Universities, the same agency that accredits all of Oregon’s public universities.

Contact Us
Calvin Caldwell
Department Chair
Klamath Falls
541-885-1598
calvin.caldwell@oit.edu
3201 Campus Dr.
Klamath Falls, OR 97601