**Mission**

- Mission statement

**Preamble:** As the Oregon University System (OUS) institution with a focused mission to deliver technology education statewide, Oregon Institute of Technology (OIT) develops and maintains partnerships with public and private institutions, businesses and industries, healthcare organizations and government agencies to ensure quality programs that meet the needs of students and the organizations that employ them. Increasingly, OIT is participating in initiatives to increase access to its technology programs by sharing facilities and human resources with other OUS institutions and community colleges throughout the state.

**Mission statement:** Oregon Institute of Technology, the only public institute of technology in the Pacific Northwest, provides degree programs in engineering and health technologies, management, communications and applied sciences that prepare students to be effective participants in their professional, public and international communities. Six objectives are central to our mission:

1. Provide degree programs that enable graduates to obtain the knowledge and skills necessary for immediate employment.
2. Enable students to be effective communicators, responsible citizens and lifelong learners by assisting them in the development of critical thinking and problem solving skills, and ethical and cultural awareness.
3. Offer continuing and distance education and advanced professional studies to meet the emerging needs of today’s citizens.
4. Provide informational and technical expertise to regional, state, national and global publics in applied research.
5. Develop and maintain partnerships with public and private institutions, business and industry, and government agencies to ensure quality programs that meet the needs of students and the organizations that employ them.
6. Provide statewide access to address the needs of the Oregon workforce.

This statement of mission and objectives for OIT was approved by the State Board of Higher Education on Dec. 19, 1999.

**Focus on access to instructional programs**

OIT offers programs on seven different campuses within Oregon, and one campus in Seattle, Wash.

OIT has a very active distance education program. Many courses are offered entirely online or in a hybrid format.

OIT offers three degree completion allied health programs. Students with an associate’s degree or no degree, working in a profession, may complete a bachelor of science online.

**Commitment to original research**

Scholarship may come in four areas:

- Discovery – basic research
- Integration – development of new knowledge through integration
- Application – applied research
- Teaching – transformation and extension of knowledge

OIT faculty members excel in all of these areas.
Scope & nature of public service

OIT delivers public service through many of its centers of excellence:
- Geo-Heat Center
- Oregon Renewable Energy Center
- Dental Hygiene Community Clinic
- Applied Psychology Child Development Laboratory
- Small Business Development Center
- Geographic Information Systems Service Center
- Sponsored and Pre-college Programs

Programs

Programs of national distinction

Current:
- Bachelor of Science in Renewable Energy Systems – First of its kind in the United States, has attracted students throughout the nation to Oregon to participate in this program. Currently delivered in OIT’s Portland facilities, it is being brought to Klamath Falls this fall. Elements of this program are being considered for delivery statewide to enhance access to renewable energy technologies for Oregon citizens.
- Bachelor of Science in Clinical Laboratory Science – OIT’s oldest program was developed by OHSU and has existed for eighty years. It is ranked in the top ten nationally for the quality of the program and its graduates.
- Bachelor of Science in Vascular Technology – Opened in 1992, this is the only bachelor's degree program available to serve a national audience in vascular technology. Of the three programs available nationally, OIT’s is the only one to have year-long externships nationwide.
- Bachelor of Science in Echocardiography – The online degree completion bachelor's degree is the only one of its kind in the nation. The full program to be offered on the Klamath Falls campus is the only national echocardiography degree full-year externship requirement.
- Bachelor of Science in Diagnostic Medical Sonography – The only bachelor’s degree program of its kind requiring a one-year externship. State-of-the-art simulators are used in OIT laboratories. Currently the only sonography program in Oregon.
- Bachelor of Science in Manufacturing Engineering Technology – OIT offers both the Bachelor of Science and Master of Science in Manufacturing Engineering Technology to students throughout the Pacific Northwest including on-site in the industrial workplace – for the Boeing Company in Seattle.
- Bachelor of Science in Mechanical Engineering and Engineering Technology – OIT is one of only seven universities in the country to offer both ME and MET programs in the same department.

Future
- Bachelor of Science in Information Technology – Health Informatics Option: A program that meets the need of hospitals and other health care providers for management of information systems in the health care environment
- Bachelor of Science in Embedded Systems Engineering Technology: A unique blend of software and hardware in an emerging area of high demand for ubiquitous application of intelligence in systems and devices
High cost programs

Undergraduate:

- **Allied Health degree programs** are high cost, because of the need to acquire and maintain state-of-the-industry laboratory equipment. These programs include medical imaging (nuclear medicine, cardiovascular technology, diagnostic medical sonography, radiologic science), dental hygiene and clinical laboratory science.

- The cost of medical imaging laboratory equipment being installed in the new Oregon Center for Health Professions building exceeds $6.5 million; this has provided an opportunity to partner with the equipment vendors in delivering education and training.

- **Engineering technology degree programs** are high cost, because of the need to acquire and maintain state-of-the-industry laboratory equipment. These programs include computer systems engineering technology, manufacturing engineering technology, electronics engineering technology, mechanical engineering technology and embedded systems engineering technology.

- The product lifecycle design software used for OIT’s manufacturing engineering technology program (Catia V5 and Delmia from Dassault Systems) has a software license commercial value that exceeds $250,000.

- **Engineering programs** are expensive due to the laboratory equipment. These programs include civil engineering, mechanical engineering and electrical engineering.

- The synergy that exists between OIT engineering technology and engineering programs allows the sharing of laboratories. This has two effects - 1) it reduces the cost of the delivery of the engineering program, and 2) it enhances the quality of the laboratories available to engineering students, since the engineering technology equipment must be at or near state-of-the-industry standards.

Graduate/Professional:

- **Manufacturing Engineering Technology** is another high cost program given the need to expose graduate students to state-of-the-industry equipment for manufacturing.

  This is a particularly critical area for graduate engineering technology programs. Many of OIT’s graduate students are full-time employees of manufacturing industries in Seattle and Portland, and they have access to state-of-the-industry manufacturing equipment in their workplace.

High demand programs

- These programs in engineering, engineering technology, allied health, management and applied science are in high demand:
  - Bachelor of Science in Civil Engineering
  - Bachelor of Science in Mechanical Engineering Technology
  - Bachelor of Science in Computer Engineering Technology
  - Bachelor of Science in Software Engineering Technology
  - Bachelor of Science in Information Technology
  - Bachelor of Science in Radiologic Science
  - Bachelor of Science in Diagnostic Medical Sonography
  - Bachelor of Science in Clinical Laboratory Science
  - Bachelor of Science in Dental Hygiene
  - Bachelor of Science in Nuclear Medicine Technology
  - Bachelor of Science in Applied Psychology

- OIT currently offers a Master of Science in Manufacturing Engineering Technology to working professionals at Boeing in Seattle and to students in both Portland, which also serves working professionals, and Klamath Falls, where most students are enrolled full-time.

  A number of other professional and technical graduate degrees are presently being considered for delivery. Other graduate degrees are under development.

  - OIT offers a postgraduate Certificate in Accounting.
Students

- Admissions selectivity
  The vast majority (87%) of OIT’s fall 2006 first-time freshmen were in the top half of their high school graduating class. In fact, 24% of the first time freshmen were in the top tenth of their classes, and over half (55%) were in the top quarter. Looking at SAT I math and critical reading results, this year’s freshmen had an average composite score of 1033. The average high school grade point average for OIT freshmen has increased from 3.29 in fall 2001 to 3.42 in fall 2006. While OIT has increased its admission standards in recent years and has seen its academic profile improve, the university’s goal is not to become more selective but rather to help ensure that students are equipped to succeed in OIT’s challenging academic programs.

- Regional access
  - OIT enrolled 1,371 students from Oregon’s rural counties in fall 2006. This represents 54% of the resident enrollment and 43% of the total enrollment fall 2006.
  - Oregon Institute of Technology offers programs in software engineering technology, electrical engineering technology, manufacturing engineering technology (both Bachelor of Science and Master of Science), mechanical engineering technology, information technology and operations management from its two campus sites in the Portland metropolitan area. OIT also offers programs in clinical laboratory science and paramedic education (AAS) in partnership with Oregon Health and Science University on the OHSU campus and Tualatin Valley Fire and Rescue Center.
  - In Medford, OIT offers an Associate of Applied Science and Bachelor of Science in respiratory care at the Rogue Community College campus.
  - In partnership with the Boeing Company in Renton, Wash., OIT offers Bachelor of Science and Master of Science degrees in manufacturing engineering technology and a Bachelor of Science in mechanical engineering technology.
  - Finally, the university offers an Associate of Applied Science in dental hygiene, through partnership with Oregon Dental Service, at its facility in La Grande.

- Diversity
  Students of color constitute 12.5% of OIT’s fall 2006 enrollment (excluding 254 students with unknown ethnicity and 27 international students). The largest proportions are Asian/Pacific Islander (5.4%) and Hispanic (4.1%). A total of 92 women were enrolled in engineering, technology, and related fields in 2006.

- Out-of-state & international students
  Out-of-state/International Nonresidents constitute 19% of total enrollment (4.5% of nonresidents are international). Twenty-seven (27) international students enrolled in fall 2006. The following 16 countries were represented: Vietnam, Pakistan, India, Japan, Korea, China, Australia, Saudi Arabia, Mexico, Germany, Slovakia, Senegal, the Ivory Coast, Kenya, Greece and Canada. The largest percentage of international students came from Canada (26%) followed by Japan (19%).
## Faculty

### Teaching load expectations

Full-time faculty
- OIT traditionally focuses on quality undergraduate education with hands-on learning, and its full-time faculty members have a heavy commitment to instruction in the classroom and laboratory. Approximately 80% of a faculty member’s workload is in the instructional area, with a typical faculty member carrying 12 credits of instructional activity during each quarter. The remaining time in the individual’s schedule includes service to the institution, the state and their profession, scholarly activities and continuing professional development.
- Those members of the faculty engaged in substantial applied research activities with research centers, or with externally funded grants and contracts, may have a reduction in instructional load.

### Research expectations

Full-time faculty
- The typical engineering and technology faculty member at OIT has less than 20% of his/her workload devoted to service and scholarship. The individual may direct applied research projects with undergraduate student teams in industry-driven projects. Such projects often lead to publication of results in regional conferences and/or competition of the team product in regional and national student competitions.
- Faculty members in allied health programs generally engage in continuing professional development through health industry employment during the summer to maintain their professional credentials and to stay current in their disciplines.
- Some faculty members develop individual investigator proposals for state or federal funding of their applied research activities, while others engage in team research activities funded through the Oregon Renewable Energy Center, the Geo-Heat Center, or the Geographic Information Systems Service Center.

### Faculty mix (research versus teaching, regular rank full-time versus adjunct or part-time)

- Eighty to ninety percent of the FTE full-time faculty instructors, and about ten percent of the faculty FTE, are adjunct faculty. OIT typically has less than five percent of its faculty with full-time research appointments.
# PART 2: Economic and Organizational Approaches

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<th>Economic model</th>
<th>Current</th>
<th>2010</th>
<th>2015</th>
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<tr>
<td>State funding</td>
<td>OIT receives 36% of total revenues from the state.</td>
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<tr>
<td>Tuition</td>
<td>27% of OIT’s total revenue comes from tuition and fees. Current tuition and fees for resident undergrads are $5,001 (12 credit hours); $5,919 (15 credit hours).</td>
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<td>Financial aid &amp; fee remissions</td>
<td>Currently, OIT’s fee remissions constitute 9% of total revenues.</td>
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<tr>
<td>Other revenue source</td>
<td>Gifts, grants and contracts constitute 23% of total revenues, with another 12% coming from other miscellaneous sources.</td>
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<th>Organizational model</th>
<th>Current</th>
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<th>2015</th>
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<td>Governance</td>
<td>State agency/single board for all public universities.</td>
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<td>Branch campuses</td>
<td>OIT does not have a branch campus but does have a Metro Center in Portland.</td>
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<td>Collaborations</td>
<td>Clinical Laboratory Science offered at Oregon Health &amp; Science University in Portland (joint program); Emergency Medical Technician program offered in Tualatin (joint program with OHSU); Respiratory Care offered at Rogue Community College in Medford; Dental Hygiene offered in La Grande (through partnership with Oregon Dental Services and Eastern Oregon University). Dual enrollment agreements exist between OIT and six Oregon community colleges. A dual enrollment agreement is also in place with Eastern Oregon University.</td>
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### Enrollment
- **Total fall headcount**: 3,157
- **Percent resident**: 81%
  - **Percent from rural Oregon**\(^1\): 43%
  - **Percent from metro/near metro**: 38%
- **Percent from other states**: 18%
- **Percent international**: Less than 1%

### Degrees awarded (Current: 2005-06)
- **Total**: 541
- **Undergraduate**: 461
- **Masters**: 0
- **Doctoral & professional**: 0
- **Priority labor force areas**\(^2\): 181

### Retention and graduation rates
- **Freshman first year retention – within OUS (2005 to 2006)**: 70.4%
- **Freshman 6-year grad rate completing within OUS (2004-05)**: 46.4%
- **Freshman 6-year grad rate – completing at institution (2004-05)**: 38.8%

### Faculty (Current: 2005-06)
- **R&D expenditures per faculty**: $38,389
- **Students per full-time faculty**: 18.8
- **Percent faculty who are part-time**: 9.4
- **Faculty salary as % of peer average**: 87.9%

### Other campus-specific
- **Women in engineering fields**: 92

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\(^1\) Rural Oregon counties include: Baker, Clatsop, Coos, Crook, Curry, Douglas, Gilliam, Grant, Harney, Hood River, Jefferson, Josephine, Klamath, Lake, Lincoln, Malheur, Morrow, Sherman, Tillamook, Umatilla, Union, Wallowa, Wasco, and Wheeler.

\(^2\) For OIT, these include degrees in Engineering, Engineering-related Technologies, and Computer Science. Degrees awarded with a double major in distinct disciplines are counted twice.