

**Information Technology Applications Development Option  
Oregon Tech Assessment Report  
2013-2014**

**I. Program History**

**History**

The Information Technology degree was first offered at OT in 1999. In addition, the Management Department offered degrees in Management Information Systems and Management Information Systems, Management Accounting Option. Because of similarities across these degrees, and in response to student and employer requests, the Department restructured the Information Technology degree in 2006. Today the Information Technology degree allows students to choose from four specialty areas: Accounting, Applications Development, Business/Systems Analysis, and Health Informatics. The Applications Development Option focuses on the acquisition of theory and technical competencies to prepare students for successful careers as applications programmers. This degree option is offered in Klamath Falls and in Portland as well as online. Fall 2013 enrollment in Information Technology Applications Development was 72 students, including 47 students between the Klamath Falls and Portland campuses, and 25 students online. 21 students petitioned to graduate with an Information Technology Applications Development degree in June 2013. Employers of our 2013 graduates include Intel, Comcast, San Joaquin General Hospital, Google, City of Portland, Wellpartner. Reported starting salaries ranged from \$16,000 to \$90,000.

The Information Technology Applications Development program was awarded accreditation by the International Assembly of Collegiate Business Educators (IACBE) in 2008.

**II. Program Purpose**

- (1) The Information Technology Applications Development degree program prepares students to apply critical thinking skills to the ever changing Information Technology industry.
- (2) The Information Technology Applications Development degree program prepares students to succeed in broad industry applications such as mid-level managers or as IT professionals.

**Student Learning Outcomes:**

The Information Technology Applications Development option consists of the eight core Management Department student learning outcomes as well as four student learning outcomes specific to this program. Upon completion of this program, Information-Technology-Applications Development graduates will be able to:

1. Explain the major concepts in the functional areas of accounting, marketing, finance, and management
2. Evaluate the legal, social, and economic environments of business
3. Describe the global environment of business
4. Describe and explain the ethical obligations and responsibilities of business.
5. Apply decision-support tools to business decision making
6. Construct and present effective oral and written forms of professional communication



Senior Case Study (SLO 1,2,3,4,6,7,8 are Assessed)

<b>Criteria n=1</b>	<b>Percentage Met or Exceeded Faculty Expectations</b>
<b>Company Background and statement of the Business Problem or Issue</b>	<b>0%</b>
<b>Analysis</b>	<b>50%</b>
<b>Conclusions</b>	<b>0%</b>

**Strengths:**

**Weaknesses:** Not enough students to represent a statistically significant sample size.

**Action Plans:** Phasing out the Application development option which will eliminate redundancies within our program. Also educate students on the benefits of taking assessment activities to get honest results from students in the program.

**Senior Project (SLO 5,6,7,8 are Assessed)**

**Strengths:** Communications represent the best measures, but still below desired levels

**Weaknesses:** Assessment Rubric was not in place when students began the sr. project.

**Action Plans:** Enhance project management training by pulling out the PM course as a separate and earlier course. Demonstrate grading rubric for the



**Weaknesses:** Students mentioned that their Data Networking courses were not strong enough to prepare them for the workforce, there was mention that the material did not address real world application. Additionally students mentioned that the program is emphasized too heavily on business courses.

**Action Items:** Hire a full time faculty member that can take ownership over the networking course content. Install simulation lab to provide online solutions for students on all campuses.

**Results from Critical Thinking Assessment**

Category	Percentage Met or Exceeded Faculty Expectations
Identification	100%
Clarification	100%
Evaluation	100%

Table 4: Critical Thinking Results n = 1

**Weaknesses:** The critical thinking exercise had an n=1. There was one student registered to take this course and completed the assessment.

**Action Plans:** Increase sample size