B.S. Cyber Security
Oregon Tech Assessment Report
2020-21

Program Description and History

2. Apply the legal, ethical, social, and economic environments of business in a global context.
3. Contribute to the development of a team-oriented and collaborative environment.
4. Solve business problems using decision-support tools and /or research skills.
5. Demonstrate professional communication and behavior using a variety of delivery methods.
6. Analyze business concepts and apply strategic planning skills to effect change in an integrated manner.

Program Student Learning Outcomes (PSLO)
Upon completion of this program, Cybersecurity graduates will be able to:
1. Describe the tactics, techniques, and procedures used throughout the vulnerability assessment process.
2. Evaluate risk in information systems and apply mitigation techniques to reduce the impact on business operations.
3. Perform information system vulnerability scanning and report findings.
4. Identify information system exploits and apply proper incident response.

Assessment Cycle

The Management Department assesses student learning at three levels: at the institutional level, at the department level, and at the program level. Essential student learning outcomes (ESLOs) and assessments are directed by Oregon Tech's Assessment Executive Committee with two to three ESLOs assessed per year. At the department level, the Management Department assesses six intended student learning outcomes (ISLOs) in accordance with IACBE guidelines and KLOs. At the program level each of the Management Department's programs assesses its established program-specific student learning outcomes (PSLOs). Program faculty review data from all these assessments, in addition to data from the department's indirect assessments, including a senior exit survey and industry advisory board feedback, when considering changes and improvements to programs.

The Management Department's 3-year assessment cycle (see Table 1) is designed to produce assessment results that will inform and direct change within the Management Department in a timely manner, as well as support the strategic goals and core values of the institution. The intent of a 3-year cycle is to provide faculty with the time and space needed to thoughtfully analyze student learning outcomes and operational data, identify areas of concern, engage appropriate stakeholders to inform planning and drive action, evaluate improvement activities and their impacts on student learning and operational outcomes, and reflect on both the process and the results within the context of mission fulfillment at both the departmental- and institutional-level.

Table 1: Assessment Cycle

Year	IACBE Schedule	

	Annual Notice	
2025-2026	Annual Notice	Reflection Year: Qualitative Deep-Dive
2026-2027	Annual Notice	Intended Student Learning Outcomes & Intended Operational Outcomes
2027-2028	Annual Notice	Program-Specific Student Learning Outcomes
2028-2029	Self-Study Annual Notice	

assignments, and evaluation rubrics. Moreover, rather than trying to evaluate all ISLOs in the strategic management class, it was determined to focus on two of the ISLOs that more naturally connect to the content of the course. The results have improved from prior years.

Senior Project Experience: The senior project experience is the hallmark of our programs. These are primarily individual, applied projects that require students to utilize project management tools to manage a project for an industry partner with well-defined deliverables. These projects help to launch students into careers of their choosing. The department has continued to review, reflect and improve the processes used to support the successful completion of these projects. While the overall results were positive, a few areas within the assessment fell short of established performance criteria. Specifically, the Summary & Conclusion area scored lower, which includes evidence of a summary with specific recommendations. Also, the rubric criteria of Culminating Experience, which is identified as the student's ability to adapt and apply skills, theories and methodologies independently in a new situation. These criteria areas provide the department with an opportunity to develop plans for improvement.

Senior Exit Survey: The exit survey was designed to map to our updated ISLOs. The Management department tracks the results of the exit survey every year and has not always met established performance targets. Results from the 2020-2021 administration of the senior exit survey improved from prior years.

Summary of Achievement of Operational Outcomes

Table 3: Department's Intended Operational Outcomes

Intended Operational Outcomes							
Department IOOs	Operational Assessment Measures						
	Faculty Qualifications	Annual Performance Evaluations	Management Department Retention Dashboard	Career Exit Survey	Management Industry Advisory Council Goal- Semi-Annual Meeting	Senior Exit Survey	
Measure:	Goal 100% Academically or professional qualified as defined by IACBE	Goal 80% Professional development and service goals tied to strategic plan	Goal 75% % of student retained after 4th term	Goal 90% % of students to attain employment or admission to grad program	Goal- Semi-Annual Meeting Meeting minutes	Goal 80% Scale 1-6: 80% rating of 4, 5, 6	
1 Faculty members will be highly qualified in their disciplines	Met 100% Academically or Professionally Qualified Faculty					Met 90%	
2 Faculty engage in professional development and services activities that support the department's mission		Not Met 50% Professional Development 71% Service					
3 Departmental processes support			Semi Met 67.4%			Met 84%	

Summary of Changes, Actions & Outcomes