Fall Terms	Year (2016-17)	Year (2017-18)	Year (2018-19)	Year (2019-20)	Year (2020-21)
Full-time Students	7	7	9	7	6

Reported values represent enrollment during the fourth week of fall quarter as recorded by Oregon Tech Institutional Research.

Table 1.1 – Geomatics - GIS Option enrollment trends

1.3 Recent Number of Graduates

Program Educational Objectives

Program educational objectives are statements that describe the expected accomplishments of graduates during the first few years after graduation—usually 3-5 years. These objectives are consistent with the mission of the program and the institution**.**

Graduates of the Oregon Tech Geomatics Options will:

1. Acquire the ability to obtain professional licensure and/or certifications in the geospatial industry.
2. Advance in the geospatial industry during their career by becoming involved in local, state, national, or international professional organizations.
3. Obtain industry positions requiring increased responsibility.
4. Assume responsibility for lifelong learning in professional and personal development.
5. Demonstrate readiness for graduate education and/or advanced technical education.

Program Student Learning Outcomes (PSLO)

(1) An ability to identify, formulate, and solve broadly defined technical or scientific problems by applying knowledge of mathematics and science and/or technical topics to areas relevant to the discipline.
(2) An ability to formulate or design a system, process, procedure or program to meet desired needs.
(3) An ability to develop and conduct experiments or test hypotheses, analyze and interpret data and use scientific judgment to draw conclusions.
(4) An ability to communicate effectively with a range of audiences.
(5) An ability to understand ethical and professional responsibilities and the impact of technical and/or scientific solutions in global, economic, environmental, and societal contexts.
(6) An ability to function effectively on teams that establish goals, plan tasks, meet deadlines, and analyze risk and uncertainty.

Note: The expected learning outcomes for the survey option are based on ABET/ASAC accreditation criteria.

3. **Summary of Six-Year Assessment Cycle**

Table 3.1 shown below depicts the six-year PSLO/ISLO assessment cycle for the geomatics survey option. Table 3.1 indicates the PSLO/ISLO and the academic year and the course where the learning outcome will be assessed.

PSLO	ISLO	AY 15/16	AY 16/17	AY 17/18	AY 18/19	AY 19/20	AY 20/21
(1) An ability to identify, formulate, and solve broadly defined technical or scientific problems by applying knowledge of mathematics and							

Review FS Exam Results		X	X	X	X	X	X
Review IAC comments		X	X	X	X	X	X
Alumni Survey			X			X	

Employer Survey

X

The following is a summary of areas identified during the last assessment cycle as areas that need additional monitoring or improvement:

Senior Exit Survey – data from the Senior Exit Survey for 2020 are not available.

Casual conversations during the year indicate that student progress toward program and student learning objectives were adequate to excellent for the courses under assessment for the 2019-2020 academic year.

8. Appendices

Geomatics – GIS Option
Appendix A - PSLO Curriculum Map
2020/2021

Shaded courses indicate that the PSLO is taught in the course and that students are evaluated on the outcome.

(5) An ability to understand ethical and professional responsibilities and the impact of technical and/or scientific solutions in global, economic, environmental, and societal contexts.

	Freshman	**Sophomore**

	MIS 275		SPE 111		Social Science Elec		Humanities Elec.	
			Social Science Elec				Science Elec.	

(6) An ability to function effectively on teams that establish goals, plan
deadlines, and analyze risk and uncertainty.

	Freshman		Sophomore		Junior		
Fall	GIS 103		GIS 306		GIS 332		
	GME 161		GME 241		SPE 321		
	MATH 111		MATH 252		PHY 221		
	WRI 121		MIS 118		WRI 227		
Winter	CE 203		GIS 316		GIS 432		
	GIS 134		GME 242		MATH Elec.		
	GME 175		MATH 254		MIS 341		
	MATH 112		MIS 218		PHY 222		
	Social Science Elec						
	GIS 205		BUS 226		GIS 426		

Spring