FY2021

Bachelor of Professional Studies in Technology Management

Program / Student Learning Outcomes: What Will I Learn?

Select an outcome statement to see the related measures and results.

Graduates of the Bachelor of Professional Studies in Technology Management will be able to:

1. Apply knowledge of mathematics and natural sciences to problem-solving in technology management contexts.
2. Develop cohesive written and oral arguments in your technical concentration using appropriate supporting evidence.
3. Critically evaluate and propose solutions for technology management problems.
4. Critically evaluate the ethical, legal, and social implications associated with the management of technology in your concentration field.
5. Participate effectively in diverse teams to address technical issues in your technology concentration.
6. Apply project management tools and techniques to plan, manage, and close a project in the applicable technology field.
7. Apply computer applications or computer software packages to solve technical problems in your technical concentration.
8. Apply technological and management concepts in an integrated manner using both a local and global perspective.
9. Employ critical thinking skills to interpret and analyze competing arguments and multiple perspectives in a technology environment.
10. Evaluate your individual strengths and weaknesses with the desire to update skills and continuously improve.

Assessment Methodology

Metrics, Assessments, and Levels of Achievement

The table below provides a brief overview of the measures selected to assess program outcomes for the Bachelor of Professional Studies in Technology Management program. Assessment of program outcomes includes both direct and indirect measures. Benchmarks have been established to differentiate between three levels of program outcome achievement (highly achieved, meets standard, and needs improvement). These three levels of achievement are color coded and used in the section below to indicate the level of achievement for each measure, for each learning outcome.

Metric Type	**Direct Measure**	**Indirect Measures**	
Assessments	Capstone Course	Exit Alumni Survey*	One-Year Post-graduation Alumni Survey*
Metrics	The percentage of the TECH 490 students who receive a grade of 2 (out of 3) or higher on the Capstone Rubric for the designated program outcome.	The mean of the graduates' perceptions of their achievement of the related program outcomes (on a 6-pt Likert-type scale).	The mean of the graduates' perceptions of their achievement of the related program outcomes (on a 6-pt Likert-type scale).
Highly Achieved	≥ 85%	Mean ≥ 5%	
Meets Standard	70 - 84%	4.0 - 4.99	
Needs Improvement	< 70%	Mean < 4	

Note: The results of the one year post-graduation survey are used as a reference to provide a longitudinal perspective on students' attainment of program (student) outcomes.

Key:

Result
N

Program Outcome Achievement Results

May 2020 Term to March 2021 Term

Program / Student Learning Outcome 1

Apply knowledge of mathematics and natural sciences to problem-solving in technology management contexts.

Direct Measure		Indirect Measure	
M2A1 in TECH 490 Technology Management Capstone	98%	Exit Survey	5.57
			n = 7
	n = 122	One-Year Survey	4.63
			n = 8

Program / Student Learning Outcome 2

Develop cohesive written and oral arguments in your technical concentration using appropriate supporting evidence.

Direct Measure		Indirect Measure	
M3A1 in TECH 490 Technology Management Capstone	89%	Exit Survey	6.00
			n = 7
	n = 122	One-Year Survey	5.00
			n = 8

Program / Student Learning Outcome 3

Critically evaluate and propose solutions for technology management problems.

Direct Measure		Indirect Measure	
M3A2 in TECH 490 Technology Management Capstone	100%	Exit Survey	5.71
			n = 7
	n = 121	One-Year Survey	4.75
			n = 8

Program / Student Learning Outcome 4

Critically evaluate the ethical, legal, and social implications associated with the management of technology in your concentration field.

Direct Measure		Indirect Measure	
M4A1 in TECH 490 Technology Management Capstone	100%	Exit Survey	5.43
			n = 7
	n = 122	One-Year Survey	5.13
			n = 8

Program / Student Learning Outcome 5

Participate effectively in diverse teams to address technical issues in your technology concentration.

Direct Measure		Indirect Measure	
M4A2 in TECH 490 Technology Management Capstone	97%	Exit Survey	5.83
			n = 7
	n = 122	One-Year Survey	4.88
			n = 8

Program / Student Learning Outcome 6

Apply project management tools and techniques to plan, manage, and close a project in the applicable technology field.

Direct Measure		Indirect Measure	
M5A1 in TECH 490 Technology Management Capstone	99%	Exit Survey	5.57
			n = 7
	n = 122	One-Year Survey	4.75
			n = 8

Program / Student Learning Outcome 7

Apply computer applications or computer software packages to solve technical problems in your technical concentration.

Direct Measure		Indirect Measure	
M5A2 in TECH 490 Technology Management Capstone	99%	Exit Survey	5.50
			n = 7
	n = 121	One-Year Survey	4.25
			n = 8

Program / Student Learning Outcome 8

Apply technological and management concepts in an integrated manner using both local and global perspectives.

Direct Measure		Indirect Measure	
M6A1 in TECH 490 Technology Management Capstone	98%	Exit Survey	5.57
			n = 7
	n = 121	One-Year Survey	4.88
			n = 8

Program / Student Learning Outcome 9

Employ critical thinking skills to interpret and analyze competing arguments and multiple perspectives in a technology environment.

Direct Measure		Indirect Measure	
M6A2 in TECH 490 Technology Management Capstone	99%	Exit Survey	5.83
			n = 7
	n = 121	One-Year Survey	4.75
			n = 8

Program / Student Learning Outcome 10

Evaluate your individual strengths and weaknesses with the goal to update skills and continuously improve.

Direct Measure		Indirect Measure	
M7A1 in TECH 490 Technology Management Capstone	97%	Exit Survey	5.43
			n = 7
	n = 121	One-Year Survey	5.00
			n = 8