

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. Use commonly available workplace technology tools to communicate professional information in clear, grammatical, and effective written prose.
2. Develop and communicate cohesive arguments using appropriate supporting evidence and effective prose.
3. Interpret events using more than one perspective, with an understanding of the significance of integrating knowledge and skills in the workplace.
4. Identify, critically evaluate, and propose solutions for technology management problems.
5. Apply knowledge of mathematics and natural sciences to problem solving in technology management contexts.
6. Demonstrate an awareness of the implications of ethics and social responsibility on the individual, the organization, and society.
7. Demonstrate information literacy.
8. Participate effectively in groups.
9. Apply project management techniques where appropriate.
10. Demonstrate a fundamental knowledge of the natural sciences, particularly as applied to the area of focus.
11. Demonstrate a working knowledge of computer usage applicable to problem solving in technology areas.
12. Demonstrate competency in the analysis, interpretation, and application of data in technology area.
13. Apply management concepts in an integrated manner in the global environment.

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
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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.

**Insufficient N to present One-Year Post-Graduation Alumni Survey Results.*

Key:	Result
	N

Program Outcome Achievement Results

May 2014 Term to March 2015 Term

Program / Student Learning Outcome 1

Use commonly available workplace technology tools to communicate professional information in clear, grammatical, and effective written prose.

Direct Measure		Indirect Measure	
Capstone Rubric TECH 490 Technology Management Capstone	91%	Exit Survey	5.50
	n = 34		n = 6

Program / Student Learning Outcome 2

Develop and communicate cohesive arguments using appropriate supporting evidence and effective prose.

Direct Measure		Indirect Measure	
Capstone Rubric TECH 490 Technology Management Capstone	88%	Exit Survey	5.17
	n = 34		n = 6

Program / Student Learning Outcome 3

Interpret events using more than one perspective, with an understanding of the significance of integrating knowledge and skills in the workplace.

Direct Measure		Indirect Measure	
Capstone Rubric TECH 490 Technology Management Capstone	94%	Exit Survey	5.50
	n = 32		n = 6

Program / Student Learning Outcome 4

Identify, critically evaluate, and propose solutions for technology management problems.

Direct Measure		Indirect Measure	
Capstone Rubric TECH 490 Technology Management Capstone	91%	Exit Survey	5.50
	n = 32		n = 6

Program / Student Learning Outcome 5

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

Direct Measure		Indirect Measure	
Capstone Rubric TECH 490 Technology Management Capstone	90%	Exit Survey	5.17
	n = 31		n = 6

Program / Student Learning Outcome 6

Demonstrate an awareness of the implications of ethics and social responsibility on the individual, the organization, and society.

Direct Measure		Indirect Measure	
Capstone Rubric TECH 490 Technology Management Capstone	100%	Exit Survey	5.33
	n = 32		n = 6

Program / Student Learning Outcome 7

Demonstrate information literacy.

Direct Measure		Indirect Measure	
Capstone Rubric TECH 490 Technology Management Capstone	97%	Exit Survey	5.67
	n = 31		n = 6

Program / Student Learning Outcome 8

Participate effectively in groups.

Direct Measure		Indirect Measure	
Capstone Rubric TECH 490 Technology Management Capstone	97%	Exit Survey	5.33
	n = 32		n = 6

Program / Student Learning Outcome 9

Apply project management techniques where appropriate.

Direct Measure		Indirect Measure	
Capstone Rubric TECH 490 Technology Management Capstone	100%	Exit Survey	5.50
	n = 32		n = 6

Program / Student Learning Outcome 10

Demonstrate a fundamental knowledge of the natural sciences, particularly as applied to the area of focus.

Direct Measure		Indirect Measure	
Capstone Rubric TECH 490 Technology Management Capstone	97%	Exit Survey	5.00
	n = 32		n = 6

Program / Student Learning Outcome 11

Demonstrate a working knowledge of computer usage applicable to problem solving in technology areas.

Direct Measure		Indirect Measure	
Capstone Rubric TECH 490 Technology Management Capstone	100%	Exit Survey	5.67
	n = 31		n = 6

Program / Student Learning Outcome 12

Demonstrate competency in the analysis, interpretation, and application of data in technology area.

Direct Measure		Indirect Measure	
Capstone Rubric TECH 490 Technology Management Capstone	100%	Exit Survey	5.50
	n = 32		n = 6

Program / Student Learning Outcome 13

Apply management concepts in an integrated manner in the global environment.

Direct Measure		Indirect Measure	

Capstone Rubric TECH 490 Technology Management Capstone	97%	Exit Survey	5.17
	n = 32		n = 6