

Associate in Applied Science in Technical Studies

Program / Student Learning Outcomes: What Will I Learn?

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

Graduates of the Associate in Applied Science in Technical Studies will be able to:

1. Demonstrate effective oral and written communication skills.
2. Demonstrate introductory college-level proficiency in one or more of the subject areas in mathematics and/or natural sciences.
3. Demonstrate introductory college-level proficiency in one or more of the social sciences.
4. Demonstrate a comprehension of cultural diversity, human behavior, and the relationship between technology and society.
5. Demonstrate the application of technology in the area of focus.

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 Associate of Applied Science in Technical Studies 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 Measures	Indirect Measures	
		Exit Alumni Survey	One-Year Post-graduation Alumni Survey
Assessments	Capstone Course	Exit Alumni Survey	One-Year Post-graduation Alumni Survey
Metrics	The percentage of the TECH 290 students who receive a grade of 2 (out of 3) or higher on the Capstone Rubric for its 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 2014 Term to March 2015 Term

Program / Student Learning Outcome 1
 Demonstrate effective oral and written communication skills.

Direct Measure		Indirect Measure	
Tech290 Integrated Technology Assessment	96%	Exit Survey	5.40
	n = 254		n = 42
		One-Year Survey	4.89
			n = 9

Program / Student Learning Outcome 2
 Demonstrate introductory college-level proficiency in one or more of the subject areas in mathematics and/or natural sciences.

Direct Measure		Indirect Measure	
Tech290 Integrated Technology Assessment	98%	Exit Survey	5.43
	n = 253		n = 42
		One-Year Survey	5.22
			n = 9

Program / Student Learning Outcome 3
 Demonstrate introductory college-level proficiency in one or more of the social sciences.

Direct Measure		Indirect Measure	

Tech290 Integrated Technology Assessment	99%	Exit Survey	5.59
	n = 251		n = 42
		One-Year Survey	5.22
			n = 9

Program / Student Learning Outcome 4

Demonstrate a comprehension of cultural diversity, human behavior, and the relationship between technology and society.

Direct Measure		Indirect Measure	
Tech290 Integrated Technology Assessment	98%	Exit Survey	5.60
	n = 254		n = 42
		One-Year Survey	5.22
			n = 9

Program / Student Learning Outcomes 5

Demonstrate the application of technology in the area of focus.

Direct Measure		Indirect Measure	
Tech290 Integrated Technology Assessment	97%	Exit Survey	5.62
	n = 253		n = 42
		One-Year Survey	5.00
			n = 9