

PROGRAM ASSESSMENT PLAN ~ 2014-15 through 2019-20

This document only needs to be updated when changes are made.

UNIT	WASHBURN INSTITUTE OF TECHNOLOGY
DIVISION	TECHNOLOGY
Program	Advanced Systems Technology
Date Prepared	
Date Revised	

PROGRAM MISSION

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The mission of Advanced Systems Technology (AST) is to provide training for students to become Industrial maintenance technicians within the production manufacturing sector, by providing fundamental knowledge, technical capability, and hands-on application.

PROGRAM STUDENT LEARNING OUTCOMES (PSLO)

If the program has more than 6 PSLO, hit "Tab" in the last cell to add another row. Cells will expand to accommodate text.

Upon completion of the program students will be able to:

PSLO 1	Evaluate and correct problems using software, manuals, technical diagrams, and prints.
PSLO 2	Apply all safety guidelines appropriate for each course in order to prepare students to work safely in industrial environments.
PSLO 3	Demonstrate skills and knowledge needed to work in the highly technical environment.
PSLO 4	Acquire the basic skills needed to expand and gain the knowledge for a more complex application of Advanced Systems Technology.

CURRICULUM MAP (Alignment)

List all courses required for program majors and indicate, where applicable, (using the following key) the PSLO with which they are associated.

T = Taught

X = Taught and Assessed

A = Assessed

If the program has more than 6 PSLO, "Copy and Paste" rows from this table below the existing table, beginning with the row numbering the PSLO.

Required Courses	PSLO 1	PSLO 2	PSLO 3	PSLO 4		
MAT 102						
IND104	T	T	T	X		
IND105		X				
IND127		T	T	T		
IND112	T	T	T	X		
IND116		T				
IND147	T	T	T	T		
IND152	X	T	T	T		
IND156		T				
IND204	T	T	X			
IND208		T	T			
IND213	T	T	T			

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IND217	X	T	X			
IND247	T	T	T			
IND248		T	T			
IND252		T	T			
IND256		T	T			

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ASSESSMENT MEASURES (Method)

Indicate (mark with an X) the type of assessment used to evaluate each PSLO.

Check as many boxes as apply.

Programs should use at least 2 direct measures for each PSLO.

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	PSLO 1	PSLO 2	PSLO 3	PSLO 4		
DIRECT						
Portfolio						
Performance Assessment						
Performance Assessment (Off campus experience – Clinical, Internship, Practicum, etc.)						
Professional Credentialing Exam		X				
Major Field Test or National Exam						
Course Embedded Assignment			X			
Project Evaluation	X					
Course Grades				X		
Other (Describe)						
INDIRECT						
Surveys						
Exit Interviews/Focus Groups						
Other (Describe)						

THRESHOLD OF STUDENT SUCCESS

For each PSLO, list each measure separately and indicate the threshold of student achievement considered acceptable.

(example: 75% of students will receive B or better) - see Assessment Plan Guide for additional instructions.

Hit :Tab" in the last cell to add another row. Cells will expand to accommodate text.

PSLO	MEASURE	THRESHOLD
1	Correct problems using troubleshooting simulation software.	90% of the students can successfully complete the intermediate level of the corresponding troubleshooting software. (I.e. Simutech)
2	Follow safety protocols.	100% of students will complete OSHA 10.
3	Demonstrate advanced skills using circuit design techniques.	90% of students can complete the circuit design demonstration with a 80% or better
4	Demonstrate basic skills needed for advancement in AST.	90% of students complete course with a grade of "C" or better

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DATA COLLECTION CALENDAR

Indicate how often assessment data are collected for each PSLO.

S=every semester

Y=every year

2=every other year

3=every 3 years, (etc.)

O-Other (please explain)

If the program has more than 6 PSLO, hit "Tab" in the last cell to add another row.

	Frequency of Data Collection
PSLO 1	
PSLO 2	
PSLO 3	
PSLO 4	
PSLO 5	
PSLO 6	

ANALYSIS AND REPORTING CALENDAR

Indicate (mark with an X) the years in which each PSLO was/will be analyzed and reported.

Cycle will repeat after Year 6.

If the program has more than 6 PSLO, "Copy and Paste" rows from this table below the existing table, beginning with the row numbering the PSLO.

	PSLO 1	PSLO 2	PSLO 3	PSLO 4	PSLO 5	PSLO 6
Year 1/2014-15						
Year 2/2015-16						
Year 3/2016-17						
Year 4/2017-18						
Year 5/2018-19						
Year 6/2019-20						

If field experiences are a significant part of the program, explicitly address how validity and reliability of the evaluation instrument is ensured.

Cell will expand to accommodate text.

STAKEHOLDER INVOLVEMENT

Describe how stakeholders (faculty, students, alumni, advisory boards, community, etc.) are involved in the development, implementation, periodic review and continuous improvement of the Assessment Plan.

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PROGRAM ASSESSMENT PLAN REVIEW CYCLE

Indicate (mark with an *X* in column 2) the year(s) in which this Program Assessment Plan will be reviewed and indicate in column 3 (when applicable) when changes are made and addressed in the appropriate year's annual report.

Cycle repeats after Year 6.

	Program Assessment Plan Review	Were changes made and addressed in the Annual Report? <u>Yes</u> or <u>No</u> (update when applicable)
Year 1/2014-15		
Year 2/2015-16		
Year 3/2016-17		
Year 4/2017-18		
Year 5/2018-19		
Year 6/2019-20		