

PROGRAM ASSESSMENT PLANNING FORM

Program to be assessed:

Title: Industrial Electronics Technology
 Division: ATP Department: Industrial Technology Program Code: CFJET

Type of Award: A.A. A.S. A.A.S.
 Cert. Adv. Cert. Post-Assoc. Cert. Cert. of Completion

Assessment plan:

Learning outcomes to be assessed	Assessment tool	When assessment will take place	Describe population to be assessed	Number of students to be assessed
1. Analyze, interpret, and troubleshoot analog electronic amplification and control circuits.	Relevant questions from ELE 211 final exam.	Every three years, starting Winter 2022.	All students who take ELE 211.	All students who take the ELE 211 final exam.
2. Analyze, and interpret programmable logic control (PLC) controlled systems.	Relevant questions from ELE 254 final exam.	Every three years, starting Winter 2022.	All students who take ELE 254.	All students who take the ELE 254 final exam.
3. Configure, program and troubleshoot PLC controlled systems.	Relevant questions from ELE 254 Lab Quizzes.	Every three years, starting Winter 2022.	All students who take ELE 254.	All students who take the ELE 254 final exam.

Scoring and analysis of assessment:

1. Indicate how the above assessment(s) will be scored and evaluated (e.g. departmentally developed rubric, external evaluation, other). Attach the rubric/scoring guide.

Departmentally developed answer keys.

- Indicate the standard of success to be used for this assessment.
70% of students will score 70% or better on the questions relevant to each outcome.
- Indicate who will score and analyze the data (data must be blind-scored).

Faculty who teach ELE courses.

Submitted by:

Name: Dale Petty  Date: 6/13/19
Print/Signature

Dept. Chair: Tom Penno  Date: 7/22/2019
Print/Signature

Dean: Brandon Tucker  Date: 7/23/19

*Reviewed by C&A Committee
 8/22/19*

PROGRAM ASSESSMENT PLANNING FORM

Program to be assessed:

Title: Industrial Electronics Technology

Division: BCT

Department: ELED

Code: CFIET

Type of Award:

A.A.

A.S

A.A.S.

Cert.

Adv. Cert.

Post-Assoc. Cert.

Cert. of Completion

Assessment plan:

Learning outcomes to be assessed	Assessment tool	When assessment will take place	Describe population to be assessed	Number of students to be assessed
1. Identify the electrical properties of resistive, inductive, and capacitive devices and analyze their behavior in DC and AC series, parallel, and series-parallel circuits.	Blind scored, departmental test questions administered in all sections of ELE 111 during the semester of assessment. (See attachment 1.)	Every three years starting Fall 2007	All students enrolled in program courses during the semester of assessment	Approx. 35 - 40
2. Analyze, interpret, and troubleshoot analog electronic amplification and control circuits.	Blind scored, departmental test questions administered in all sections of ELE 211 during the semester of assessment. (See attachment 1.)	Every three years starting Fall 2007	All students enrolled in program courses during the semester of assessment	Approx. 15 - 20
3. Analyze, interpret, and troubleshoot PLC controlled systems.	Blind scored, departmental test questions administered in all sections of ELE 254 during the semester of assessment. (See attachment 1.)	Every three years starting Winter 2008	All students enrolled in program courses during the semester of assessment	Approx. 15 - 20

PROGRAM ASSESSMENT PLANNING FORM

Scoring and analysis of assessment:

- 1. Indicate how the above assessment(s) will be scored and evaluated (e.g. departmentally developed rubric, external evaluation, other). Attach the rubric.

Blind scored, departmental test questions administered in all sections being assessed included as part of instructor developed final exams. (See attachment 1.) The assessment results will be evaluated by the program faculty.

- 2. Indicate the standard of success to be used for this assessment.

Each of the program outcomes will be evaluated seperately with an expectation that 75% of the program students will have successfully achived the given outcome with a score of 75% or better.

- 3. Indicate who will score and analyze the data.

The assessment results will be evaluated by the ELE faculty.

- 4. Explain how and when the assessment results will be used for program improvement.

The ELE faculty will analyze the results of the assessment data for areas of strengths and weaknesses. Ideas will be generated to addresses the areas of weaknesses.

Submitted by:

Name: Gary Downen *Gary Downen* Date: 5/3/07
 Print/Signature

Dept. Chair: Gary Downen *Gary Downen* Date: 5/3/07
 Print/Signature

Dean: Rosemary Wilson *Rosemary Wilson* Date: 8/21/08
 Print/Signature

Please return completed form to the Office of Curriculum & Assessment, SC 247.