



# Central Washington University

Degree Program Student Learning Outcome Assessment Plan

Department: Engineering Technologies, Safety and Construction

Program: BS-Electronic Engineering Technology

Student Learning Outcome (performance, knowledge, attitudes)	Related CWU Strategic Outcome(s) <a href="http://www.cwu.edu/sstrategic-planning/">http://www.cwu.edu/sstrategic-planning/</a>	Method(s) of Assessment (What is the assessment?)*	Who Assessed (Students from what courses - population)**	When Assessed (term, dates)***	Standard of Mastery/ Criterion of Achievement (How good does performance have to be?)
3.a. An appropriate mastery of the knowledge, techniques, skills and modern tools of their disciplines.	1.1.1 Students will achieve programmatic learning outcomes.	Rubric	Instructor EET 221 EET 312 EET 323 EET 324	FALL WINTER SPRING SPRING	Beginning Developing Accomplished Accomplished
3.b. An ability to apply current knowledge and adapt to emerging applications of mathematics, science, engineering and technology.	1.1.1 Students will achieve programmatic learning outcomes.	Rubric	Instructor EET 221 EET 312 EET 323 EET 324	FALL WINTER SPRING SPRING	Beginning Developing Accomplished Accomplished
3.c. An ability to conduct, analyze and interpret experiments and apply experimental results to improve processes.	1.1.1 Students will achieve programmatic learning outcomes.	Rubric	Instructor EET 221 EET 312 EET 323	FALL WINTER SPRING	Beginning Developing Accomplished
3.d. An ability to apply creativity in the design of systems, components, or processes appropriate to program objectives.	1.1.1 Students will achieve programmatic learning outcomes.	Rubric	Instructor EET 323	SPRING	Accomplished
3.e. An ability to function effectively on teams	1.1.1 Students will achieve programmatic learning outcomes.	Rubric	Instructor EET 371	WINTER	Developing Accomplished

<b>Student Learning Outcome (performance, knowledge, attitudes)</b>	<b>Related CWU Strategic Outcome(s)</b> <a href="http://www.cwu.edu/strategic-planning/">http://www.cwu.edu/strategic-planning/</a>	<b>Method(s) of Assessment (What is the assessment?)*</b>	<b>Who Assessed (Students from what courses - population)**</b>	<b>When Assessed (term, dates)***</b>	<b>Standard of Mastery/ Criterion of Achievement (How good does performance have to be?)</b>
3.f. An ability to identify, analyze and solve technical problems.	1.1.1 Students will achieve programmatic learning outcomes.	Rubric	Instructor EET 323 EET 324 EET 376	SPRING SPRING WINTER	Accomplished Accomplished Accomplished
3.g. An ability to communicate effectively	1.1.1 Students will achieve programmatic learning outcomes.	Rubric	Instructor EET 323 EET 376 EET 478 EET 479 EET 489	SPRING WINTER FALL WINTER SPRING	Developing Developing Developing Accomplished Accomplished
3.h. A recognition of the need for, and an ability to engage in lifelong learning.	1.1.1 Students will achieve programmatic learning outcomes.	Rubric	Instructor EET 478 EET 479 EET 489	FALL WINTER SPRING	Developing Accomplished Accomplished
3.i. An ability to understand professional, ethical and social responsibilities.	1.1.1 Students will achieve programmatic learning outcomes.	Rubric	Instructor EET 478 EET 479 EET 489	FALL WINTER SPRING	Developing Accomplished Accomplished
3.j. A respect for diversity and a knowledge of contemporary professional, societal and global issues.	1.1.1 Students will achieve programmatic learning outcomes.	Rubric	Instructor EET 221	FALL	Developing
3.k. A commitment to quality, timeliness, and continuous improvement.	1.1.1 Students will achieve programmatic learning outcomes.	Rubric	Instructor EET 478 EET 479 EET 489	FALL WINTER SPRING	Developing Accomplished Accomplished
9.A.1. Application of circuit analysis to the building, testing, operation, and maintenance of electrical/electronic circuits.	1.1.1 Students will achieve programmatic learning outcomes.	Rubric	Instructor EET 221 EET 312 EET 323 EET 324	FALL WINTER SPRING SPRING	Developing Developing Accomplished Accomplished

<b>Student Learning Outcome (performance, knowledge, attitudes)</b>	<b>Related CWU Strategic Outcome(s)</b> <a href="http://www.cwu.edu/srategic-planning/">http://www.cwu.edu/srategic-planning/</a>	<b>Method(s) of Assessment (What is the assessment?)*</b>	<b>Who Assessed (Students from what courses - population)**</b>	<b>When Assessed (term, dates)***</b>	<b>Standard of Mastery/ Criterion of Achievement (How good does performance have to be?)</b>
9.A.2. Application of computer programming to the building, testing, operation, and maintenance of electrical/ electronic circuits.	1.1.1 Students will achieve programmatic learning outcomes.	Rubric	Instructor EET 370 EET 376 EET 452	FALL WINTER WINTER	Developing Accomplished Accomplished
9.A.3. Application of associated software to the building, testing, operation, and maintenance of electrical/ electronic circuits.	1.1.1 Students will achieve programmatic learning outcomes.	Rubric	Instructor EET 221 EET 312 EET 323 EET324 EET 342	FALL WINTER SPRING SPRING FALL	Developing Developing Accomplished Accomplished Accomplished
9.A.4. Application of circuit analysis to the building, testing, operation, and maintenance of electrical/ electronic circuits.	1.1.1 Students will achieve programmatic learning outcomes.	Rubric	Instructor EET 221 EET 312 EET 324	FALL WINTER SPRING	Developing Developing Accomplished
9.A.5. Application of analog electronics to the building, testing, operation, and maintenance of electrical/ electronic circuits.	1.1.1 Students will achieve programmatic learning outcomes.	Rubric	Instructor EET 221 EET 312 EET 323	FALL WINTER SPRING	Beginning Developing Accomplished
9.A.6. Application of digital electronics to the building, testing, operation, and maintenance of electrical/ electronic circuits.	1.1.1 Students will achieve programmatic learning outcomes.	Rubric	Instructor EET 371 EET 372	WINTER SPRING	Developing Accomplished
9.A.7. Application of microcomputers to the building, testing, operation, and maintenance of electrical/ electronic circuits.	1.1.1 Students will achieve programmatic learning outcomes.	Rubric	Instructor EET 370 EET 375 EET 376	FALL FALL WINTER	Developing Developing Accomplished

<b>Student Learning Outcome (performance, knowledge, attitudes)</b>	<b>Related CWU Strategic Outcome(s)</b> <a href="http://www.cwu.edu/srategic-planning/">http://www.cwu.edu/srategic-planning/</a>	<b>Method(s) of Assessment (What is the assessment?)*</b>	<b>Who Assessed (Students from what courses - population)**</b>	<b>When Assessed (term, dates)***</b>	<b>Standard of Mastery/ Criterion of Achievement (How good does performance have to be?)</b>
9.B. Application of physics to electrical/ electronic circuits.	1.1.1 Students will achieve programmatic learning outcomes.	Rubric	Instructor EET 312 EET 342	WINTER FALL	Developing Accomplished
9.a.1. The ability to analyze, design, and implement instrumentation systems.	1.1.1 Students will achieve programmatic learning outcomes.	Rubric	Instructor EET 342	FALL	Accomplished
9.a.2. The ability to analyze, design, and implement computer systems.	1.1.1 Students will achieve programmatic learning outcomes.	Rubric	Instructor EET 370 EET 376 EET 452	FALL WINTER WINTER	Beginning Developing Developing
9.b. The ability to apply project management techniques to electrical/ electronic systems.	1.1.1 Students will achieve programmatic learning outcomes.	Rubric	Instructor EET 455 EET 479 EET 489	WINTER	Beginning Developing Accomplished
9.c.1 The ability to utilize statistics and probability in support of electrical/ electronic systems.	1.1.1 Students will achieve programmatic learning outcomes.	Rubric	Instructor IET 380	SPRING	Developing
9.c.1 The ability to utilize transform methods in support of electrical/ electronic systems.	1.1.1 Students will achieve programmatic learning outcomes.	Rubric	Instructor EET 324	SPRING	Accomplished

\*Method(s) of assessment should include those that are both direct (tests, essays, presentations, projects) and indirect (surveys, interviews) in nature.

\*\*Data needs to be collected and differentiated by location (Ellensburg campus vs University Centers) and modality (e.g. online, face-to-face, hybrid)

\*\*\*Timing of assessment should ideally be at different transition points of program (i.e., admission, mid-point, end-of-program, post-program)

rev. 9/15

### Assessment Cycle

Analysis and Interpretation: December

Improvement Actions: Completed by June

Dissemination: Completed by June

All Electronic Engineering Technology outcomes are assessed and reported annually.

Assessment Oversight

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