



# Central Washington University

Degree Program Student Learning Outcome Assessment Plan

Department: Engineering Technologies, Safety and Construction

Program: BS- Technology Education

Student Learning Outcome (performance, knowledge, attitudes)	Related CWU Strategic Outcome(s) <a href="http://www.cwu.edu/strategic-planning/">http://www.cwu.edu/strategic-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?)
1. Demonstrate effective oral and written communication skills	1.1.1 Students will achieve programmatic learning outcomes.	Written reflection and oral presentation during IET 435 Senior portfolio presentation (portfolio will include numerous oral and written examples of work from courses in major)	Seniors	IET 435	Each student will earn a satisfactory (or above) evaluation during portfolio presentation
2. Demonstrate effective planning, preparation, and delivery of technology education lessons and plans.	1.1.1 Students will achieve programmatic learning outcomes.	Develop and deliver a lesson on an approved education topic  Senior portfolio assessment which includes student selected work from professional education sequence to include in portfolio	Juniors or seniors	Fall in IET 430	Each student will earn a score of 80% or higher on development of technology lesson plan  Each student will earn a score of 80% or higher on delivery of technology lesson  Each student will earn a satisfactory (C or better) grade from professional education courses

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3. Demonstrate the ability to use a variety of technology including computers, industrial machines, and equipment commonly used in public schools and industry.	1.1.1 Students will achieve programmatic learning outcomes.	Complete engineering drawings using CAD software  Completion of woodworking project  Completion of metal machining project  Completion of electronic portfolio using LiveText	Students in IET 160  Students in IET 145  Students in MET 255  Students accepted in education program (demonstrated in IET 435)	Quarterly in IET 160  Winter in IET 145  Quarterly in MET 255  Senior year	All graduates major GPA at or above 2.5  All graduates presenting portfolio will meet or exceed standards
4. Demonstrate competence in at least five of the seven major areas of the Designed World (STL): <ul style="list-style-type: none"> <li>• Medical</li> <li>• Agriculture &amp; Biotechnologies</li> <li>• Energy &amp; Power</li> <li>• Information &amp; Communication</li> <li>• Construction</li> <li>• Manufacturing</li> <li>• Transportation</li> </ul>	1.1.1 Students will achieve programmatic learning outcomes.	Article reviews of five different content areas  West E exam for Technology Education  Senior portfolio assessment	Students in IET 433  Seniors	Winter quarter in IET 433  Senior status (before program completion)	All graduates major GPA at or above 2.5  Average score on Tech. Ed. portion of West E exam at or above national average  Each student will earn a satisfactory (or above) on standards 14-20 of the STL
5. Demonstrate, practice, and use safety and safety principles as used currently in industry and public schools	1.1.1 Students will achieve programmatic learning outcomes.	Safety exam  Study guide and machine safety test assignment	Students in IET 145  Students in IET 430	Winter quarter in IET 145  Fall quarter in IET 430  Winter quarter in	90% or better on IET 145 safety exam  80% on study guide and machine safety test  75% or higher on SHM 325 safety exam

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		SHM 325 course exam	Students in SHM 325	SHM 325	
6. Demonstrate familiarity with the concepts, theoretical perspectives, and historic trends in vocational education/Career & Tech. Ed. (CTE).	1.1.1 Students will achieve programmatic learning outcomes.	Course grade from OCED 410  West E exam for technology education	Students in OCED 410  Seniors	Spring quarter in OCED 410  Senior status (before program completion)	Each student will earn a C or better from OCED 410  Average score on Tech. Ed. portion of West E exam at or above national average
7. Students are committed to ongoing personal and professional development via participation in club activities and professional memberships.	1.1.1 Students will achieve programmatic learning outcomes.	Professional development assignment and survey  Yes/no student participates in activity  Membership in clubs and professional memberships	Students in IET 430  Students who are admitted to major	Fall quarter in IET 430  Annually at end of academic year	100% of students complete professional development plan  Every student participates in at least one workshop, competition, conference, and/or TSA event before graduation  At least 50% of technology ed. students will be members of CTEA and/or student member of WITEA

\*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)

### Assessment Cycle

Analysis and Interpretation: December  
Improvement Actions: Completed by June  
Dissemination: Completed by June

All BS Technology Education outcomes are assessed and reported annually.

**Assessment Oversight**

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