

Electronics Engineering Technology - Program Learning Outcomes

	Program Learning Outcomes	Student Learning Outcomes	Measure of Assessment and Criteria for Success
1.	Students will demonstrate mastery of basic AC&DC fundamentals- theory and practical applications.	<ul style="list-style-type: none"> • Students will calculate correct solutions to DC series and parallel circuit problems. • Students will calculate correct solutions to AC series and parallel circuit problems. 	100 % of the students will score 80% or higher on their overall recorded log of assigned tasks for this objective by using the “DC Circuits Challenge” and “AC Circuits Challenge” software packages.
2.	Students will demonstrate mastery of Electrical/Electronic safety procedures (protection of self and colleagues) .	<ul style="list-style-type: none"> • Students will understand safety procedures. • Students must demonstrate procedures that are consistent with safe and acceptable lab practice. 	100% of the students will demonstrate correct safety procedures in all course labs so that no student injuries will be recorded.
3.	Students will demonstrate mastery of essential circuit analysis of fundamental AC&DC circuits. (Requiring use of the scientific calculator using algebraic / trigonometric solutions in polar notation for AC)	<ul style="list-style-type: none"> • Students will calculate correct solutions to AC & DC series and parallel circuit problems and record their results.. 	100 % of the students will score 80% or higher on their overall recorded log of assigned tasks for this objective by using the “DC Circuits Challenge” and “AC Circuits Challenge” software packages.
4.	Students will effectively apply an understanding of Electronic Communications theory (from DC to Light).	<ul style="list-style-type: none"> • Students will construct circuits from the component level. • Students will correctly apply laboratory instruments to demonstrate practical application of theory. 	Student circuit constructions must function within the range specified by the assignments in communication systems labs. 85% of the students in the class will score 75% or greater on the grade record for the lab.
5.	Students will be prepared for success on the Federal Communications Commission General Radiotelephone Operator License Examination.	<ul style="list-style-type: none"> • Students will prepare for the FCC GROL by studying the approved NARTE (National Association of Radio and Telecommunications Engineers) approved study materials for the GROL. 	100% of the students will rank 75% or higher on a sample test composed of actual exam questions from the FCC question pool for this exam or students will pass the GROL and obtain their license.