

Electronics# - Instrumentation and Control Emphasis

Associate in Applied Science

Minimum of 61 Credits

This program is part of the cooperative alliances with Francis Tuttle Technology Center. Major courses are taught at Francis Tuttle Technology Center. Technicians in these specialties are commonly associated with manufacturing and a wide range of industrial activities. Students are provided a foundation in mathematics, science, communications, social studies, electronics support courses, and major coursework in a chosen specialty.

Course #	Course Name	Credits	Type	Prerequisites
<i>Suggested Freshman 1st Semester</i>				
SCL 1001	SUCCESS IN COLLEGE AND LIFE	1	Life Skills	None
ENGL 1113	ENGLISH COMPOSITION I	3	Gen Ed	(R) (W), Adequate reading and writing assessment scores or LS 0033 College Writing II, either taken within the last year, with strong encouragement for immediate continuation.
ET 2353	INSTRUMENTATION AND CONTROL I	3	Major	(R) (W) (M)
ET 1144	INDUSTRIAL ELECTRONICS	4	Major	(R) (W) (M)
ET 1223	DIGITAL ELECTRONICS	3	Major	(R) (W) (M)
<i>Suggested Freshman 2nd Semester</i>				
ET 2014	CONTROL DEVICES	4	Major	(R) (W) (M), ET 1144
ET 2044	ELECTROMECHANICAL DEVICES	4	Major	(R) (W) (M), ET 1144
ET 2363	INSTRUMENTATION AND CONTROL II	3	Major	(R) (W) (M), ET 2353
OSRHE1	OSRHE APPROVED GENERAL EDUCATION COMMUNICATIONS OR ENGLISH COURSE*	3	Gen Ed	
MATH1	MATHEMATICS THAT MEET OCCC'S MATHEMATICS PROFICIENCY	3	Support	
<i>Suggested Sophomore 1st Semester</i>				
ET 2124	CONTROL SYSTEMS	4	Major	(R) (W) (M)
PRDT 1534	PROGRAMMABLE CONTROLLER PROGRAMMING	4	Major	(R) (W) (M)
PRDT 1413	FLUID POWER	3	Major	(R) (W) (M)
POLSC 1113	AMERICAN FEDERAL GOVERNMENT	3	Gen Ed	(R) (W)
SUPP	GUIDED SUPPORT ELECTIVE	4	Support	
<i>Suggested Sophomore 2nd Semester</i>				
HIST 1483	U.S. HISTORY TO THE CIVIL WAR --OR--		Gen Ed	(R) (W)
HIST 1493	U.S. HISTORY SINCE THE CIVIL WAR	3	Gen Ed	(R) (W)
GEN ED	GEN ED ELECTIVE	6	Gen Ed	
SUPP	GUIDED SUPPORT ELECTIVE	3	Support	

Major Courses: (32 credit hours) Electronics: ET 1144; ET 1223; ET 2014; ET 2044; ET 2124; ET 2353; ET 2363; Manufacturing Technology: PRDT 1413; PRDT 1534

General Education Courses: (18 credit hours) English: ENGL 1113; Any Oklahoma State Regents for Higher Education approved general education English or communications course; Political Science: POLSC 1113; History: HIST 1483 or HIST 1493; General Education Electives: Six credit hours

Life Skills Courses: (1 credit hour) Life Skills: SCL 1001

Support Courses: (10 credit hours) Three credit hours of faculty approved mathematics that meets OCCC's mathematics proficiency requirements; Seven support electives

Notes: This technical/occupational program is designed to prepare students to enter the job force following completion. See Technical/Occupational Programs in the general information section of the catalog. Major courses are available only at Francis Tuttle Technology Center.

* To be chosen from ENGL 1213, ENGL 1233, COM 1123, or COM 2213

This program is offered through a cooperative alliance established with Francis Tuttle Technology Centers.

** Students must file all financial aid through the technology center while attending there.