

NAME \_\_\_\_\_

- I have an account on Oklahoma Career Guide
- I have updated my resume on Oklahoma Career Guide

### Career Cluster Plan of Study for > Learners > Parents > Counselors > Teacher/Faculty

This Career Cluster Plan of Study (based on the Manufacturing Career Cluster) can serve as a guide, along with other career planning materials, as learners continue on a career path. Courses listed within this plan are only recommended coursework and should be individualized to meet each learner's educational and career goals. \*This Plan of Study, used for learners at an educational institution, should be customized with course titles and appropriate high school graduation requirements, as well as college entrance requirements.

EDUCATION LEVELS	GRADE	ENGLISH/ LANGUAGE ARTS	MATH	SCIENCE	SOCIAL STUDIES/ SCIENCES	Other required courses, other electives, recommended electives, learner activities	Career and Technical Courses and/or Degree Major Courses for Robotics and Electronic Automation	OCCUPATIONS Relating to Robotics and Electronic Automation	
<b>OKLAHOMA CAREER GUIDE INTEREST INVENTORY ADMINISTERED</b>									
<b>SECONDARY</b>	8	<input type="checkbox"/> 8th Grade English	<input type="checkbox"/> Pre-Algebra or Algebra I	<input type="checkbox"/> 8th Grade Science	<input type="checkbox"/> 8th Grade Civics	<input type="checkbox"/> Financial Literacy  <input type="checkbox"/> Computer Technology I and <input type="checkbox"/> Computer Technology II  Or  <input type="checkbox"/> Foreign Language I and <input type="checkbox"/> Foreign Language II  <input type="checkbox"/> Fine Arts or Speech	<input type="checkbox"/> Alternation Current <input type="checkbox"/> Analog Circuits <input type="checkbox"/> Automation Controls <input type="checkbox"/> Communications <input type="checkbox"/> Digital Circuits <input type="checkbox"/> Direct Current <input type="checkbox"/> Drones <input type="checkbox"/> Hydraulics & Pneumatics <input type="checkbox"/> Instrumentation <input type="checkbox"/> Mechatronics Lab I <input type="checkbox"/> Mechatronics Lab II <input type="checkbox"/> Mechanical Systems <input type="checkbox"/> Microsoft Office <input type="checkbox"/> Motor Control <input type="checkbox"/> Precision Measurement <input type="checkbox"/> PLC's <input type="checkbox"/> Process Control <input type="checkbox"/> Programming <input type="checkbox"/> Robotics <input type="checkbox"/> SWE/Career Capstone  *Optional Certifications: FANUC Robotics Certification, Snap-On Meter Certification	Biomedical Technician Communications Technician Electrical/Instrumentation Technician Electronics Technician Field Service Technician I & E Technician Industrial Automation Technician Industrial Maintenance Technician Maintenance Technician Robotics Technician	
	9	<input type="checkbox"/> English/ Language Arts I	<input type="checkbox"/> Algebra I/ Geometry	<input type="checkbox"/> Biology/ Physical Science	<input type="checkbox"/> OK History/ Civics				
	10	<input type="checkbox"/> English/ Language Arts II	<input type="checkbox"/> Geometry/ Algebra II	<input type="checkbox"/> Chemistry/ Biology/ Astronomy	<input type="checkbox"/> World History/ European History				
	11	<input type="checkbox"/> English/ Language Arts III	<input type="checkbox"/> Algebra II/ Pre-Calculus/ Trigonometry	<input type="checkbox"/> Physics/Zoology/ Environmental Science	<input type="checkbox"/> US History				
	<b>COLLEGE PLACEMENT ASSESSMENT-ACADEMIC/CAREER ADVISEMENT PROVIDED</b>								
	12	<input type="checkbox"/> English/ Language Arts IV	<input type="checkbox"/> Pre-Calculus/ Trigonometry/ AP Calculus Statistics/Algebra III	<input type="checkbox"/> AP Science/ Meteorology/ Physiology/ Botany	<input type="checkbox"/> World Geography/ AP History/ Economics				
<b>POSTSECONDARY PROGRAMS AND DEGREES WITH NORTHERN OKLAHOMA COLLEGE</b>									
<b>POSTSECONDARY</b>	13	<input type="checkbox"/> English Comp I	<input type="checkbox"/> College Algebra	<input type="checkbox"/> Concepts in Chemistry	<input type="checkbox"/> US History	Freshman Orientation (1hr) Intro to Business (3 hrs) Digital/Financial Literacy (3 hrs)	Process Organic Chemistry (4 hrs) Intro to Process Technology (3 hrs) Safety, Health & Work Process (3 hrs) Process Tech I-Equipment (4 hrs) Industrial Instrumentation (4 hrs) Process Tech II-Systems (4 hrs) Process Tech III-Operations (4 hrs) Process Troubleshooting (4 hrs) Principles of Quality (3 hrs) Professional Development (1 hr)		
	14	<input type="checkbox"/> Introduction to Oral Communications		<input type="checkbox"/> Concepts in Physics	<input type="checkbox"/> American Government				
	15								
	16								

\*Different requirements may be required at other colleges/universities

\*Bachelor's Degree may be available