

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 Architecture & Construction 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 Air Conditioning/Refrigeration	OCCUPATIONS Relating to Air Conditioning/ Refrigeration
OKLAHOMA CAREER GUIDE INTEREST INVENTORY ADMINISTERED								
SECONDARY	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"/> Air Systems <input type="checkbox"/> Air Handling <input type="checkbox"/> Electricity for HVAC/R <input type="checkbox"/> Heat Pumps <input type="checkbox"/> Heating Systems <input type="checkbox"/> HVAC/R Controls <input type="checkbox"/> HVAC/R Solid State Electronics <input type="checkbox"/> HVAC/R System Installation and Start-Up (Residential) <input type="checkbox"/> HVAC/R System Servicing and Troubleshooting-Residential <input type="checkbox"/> HVAC/R Preventive Maintenance <input type="checkbox"/> HVAC/R Codes, Regulations, and Standards <input type="checkbox"/> Indoor Air Quality <input type="checkbox"/> Introduction to HVACR: Safety, Tools, and Equipment <input type="checkbox"/> Load Calculations <input type="checkbox"/> Piping and Piping Practices <input type="checkbox"/> Principles of Thermodynamics and Heat Transfer <input type="checkbox"/> Professional Services <input type="checkbox"/> Refrigerant System Components <input type="checkbox"/> Refrigerants and Lubricants <input type="checkbox"/> Refrigerant Recovery <input type="checkbox"/> Refrigerant Retrofits <input type="checkbox"/> Workforce Staging	Air Conditioning Technician Central and Window Unit Installer Heating Technician Mechanical Maintenance Worker Refrigeration Technician Troubleshooter
	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			
	COLLEGE PLACEMENT ASSESSMENT-ACADEMIC/CAREER ADVISEMENT PROVIDED							
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				
POSTSECONDARY PROGRAMS AND AAS DEGREES WITH OSUIT								
POSTSECONDARY	13	<input type="checkbox"/> English Comp I/ Technical Writing I	<input type="checkbox"/> College Algebra/ Business Math		<input type="checkbox"/> US History	Ethics (3 hrs) Computer Literacy & App (3 hrs) Speech (3 hrs)	ACR System Application ACR Capstone Air Systems Design Commercial Air Conditioning Commercial Refrigeration Applications Electrical Controls Electrical Control Applications Electronic Control Applications EPA Certification Information Introduction to ACR Internship I Internship II Residential AC & Heating Systems System Controls Unitary Refrigeration	
	14	<input type="checkbox"/> English Comp II/ Technical Writing II			<input type="checkbox"/> Government			
	15							
	16							

*Different requirements may be required at other colleges/universities *Bachelor's Degree may be available