SCHOOL OF
ENGINEERING & CONSTRUCTION TECHNOLOGIES
OSU Institute of Technology

AIR CONDITIONING & REFRIGERATION TECHNOLOGY

Associate in Applied Science
85 Credit Hours
Spring Start

First Semester (15 Hours)

	Program Requirements	Hours	✓	General Education Courses	Hours	✓
FULL	ACR 1111 EPA Certification Information	1		ORIE 1011 College Strategies	1	
FULL	ACR 1121 Introduction to ACR	1		CS 1013 Computer Literacy & Applications	3	
FULL	ACR 1126 ACR System Applications	6		ENGL 1033 Technical Writing I *⊕ OR ENGL 1113 Freshman Composition I ⊕	3	
				COWBOY UP! New Student Orientation	0	

Second Semester (12 Hours)

	Program Requirements	Hours	✓	General Education Courses	Hours	✓
FULL	ACR 1203 Electrical Controls	3		SPCH 2313 Small Group Communications * OR SPCH 1113 Intro to Speech Communications	3	
FULL	ACR 1206 Electrical Control Applications Corequisite: ACR 1203	6				

Third Semester (15 Hours)

	Program Requirements	Hours	✓	General Education Courses	Hours	✓
FULL	ACR 1336 Residential A/C & Heating Systems Prerequisites: ACR 1126, ACR 1203 and ACR 1206	6		HIST 1483 US History to 1865 OR HIST 1493 US History since 1865	3	
FULL	ACR 1343 Electronic Control Applications Prerequisites: ACR 1203 and ACR 1206	3		POLS 1113 US Government	3	

Fourth Semester (16 Hours)

	Program Requirements	Hours	✓	General Education Courses	Hours	✓
FULL	ACR 1344 Unitary Refrigeration Prerequisites: ACR 1126, ACR 1203 and ACR 1206	4				
FULL	ACR 2443 Systems Controls Prerequisite: ACR 1343	3				
FULL	ACR 2513 Air Systems Design	3				
FULL	ACR 2603 Commercial Air Conditioning Prerequisites: ACR 1343 and ACR 2806	3				
FULL	Approved Technical Elective CNS 1213 Construction Safety OSHA 30 Hour OR GTCT 1183 Welding	3				

Fifth Semester (12 Hours)

	Program Requirements	Hours	✓	General Education Courses	Hours	✓
FULL	ACR 2912 ACR Internship Prerequisites: ACR 1126, ACR 1203, ACR 1206, ACR 1336 and a 2.0 GPA or higher	12				

FULL = Full Semester Class | 1st = First Half Class | 2nd = Second Half Class

* Recommended

⊕ Corequisite strategies course available. See advisor for details.

Sixth Semester (15 Hours)

	Program Requirements	Hours	✓	General Education Courses	Hours	✓
FULL	**ACR 2406** Commercial Refrigeration Applications Prerequisites: ACR 1126, ACR 1343 and ACR 1344	6		**Approved General Education Elective** Consult with advisor for an approved list of electives.	3	
	ACR 2623 Mechanical Codes Prerequisite: ACR 1336	3				
	ACR 2653 ACR Technology Capstone Prerequisite: ACR 2603; Corequisite: ACR 2623	3				

FULL = Full Semester Class | 1st = First Half Class | 2nd = Second Half Class ★ Recommended ⊕ Corequisite strategies course available. See advisor for details.

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