

2024-2025 OCCUPATIONAL CERTIFICATE (CERT) AWC ADVISEMENT CHECK SHEET

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AIR CONDITIONING AND REFRIGERATION

Student Name	ID #	Advisor	Major Code: CERT.AIRCR Credits: 38
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Provides the student with the essential skills required for entry-level employees in the air conditioning and refrigeration industry. Training in various aspects of air conditioning and refrigeration include trouble-shooting, maintenance, repair and servicing of A/C units, related electrical controlling devices, motors, and safety factors concerning the use of various refrigerants. Program curriculum is aligned with National Center for Construction Education Research standardized national skills standards for the construction trades.

Required Major Courses (35 Credits)		Cr	Sem	Notes
ACR 101	Air Conditioning and Refrigeration 1	3		
ACR 102	Air Conditioning and Refrigeration 2	3		
ACR 103	Air Conditioning and Refrigeration Motors, Circuits/Controls	3		
ACR 112	Control Systems	3		
ACR 113	Heating Technology	3		
ACR 201	Air Conditioning and Refrigeration 3	3		
ACR 202	Air Conditioning and Refrigeration 4	3		
ACR 212	Heat and Load Calculations and Duct Design	3		
TEC 100	Core Curriculum Introductory Craft Skill	5		
ACR 213	Light Commercial Systems	3		
TEC 165	Employee and Occupational Safety	3		

Other Departmental Requirements (3 Credits)		Cr	Sem	Notes
Select from the following				
WLD 104	Techniques in Flux Corel Arc Welding	3		
WLD 105	Techniques in Oxyacetylene Welding/Cutting	3		
WLD 106	Techniques in Shielded Metal Arc Welding	3		
WLD 109	Techniques in Gas Metal Arc Welding	3		