

AIR CONDITIONING AND REFRIGERATION

Associate of Applied Science Degree

WO

Purpose: This curriculum is designed to prepare students for jobs in the air conditioning and refrigeration field. The second year provides students with skills that lead to leadership positions in HVACR industry. Occupational objectives include industry licensing, advanced critical thinking skills and state tradesman licenses in HVACR.

Transfer Information: Transfer is **not** the primary purpose of an A.A.S. program, but NOVA has articulation agreements that facilitate the transfer of this and other career-oriented programs to selected senior institutions. Students interested in transfer should contact a counselor or their faculty advisor early in their program.

Two Years		Credits
1st Semester		
AIR	111 Air Conditioning & Refrigeration Controls I	3
AIR	121 Air Conditioning & Refrigeration I	4
ENG	111 College Composition I	3
¹ _____	Humanities/Fine Arts Elective	3
PHY	101 Intro to Physics	4
SDV	Elective	<u>1</u>
Total		18
2nd Semester		
AIR	122 Air Conditioning & Refrigeration II	4
AIR	134 Circuits & Controls	3
AIR	154 Heating Systems I	4
AIR	257 Gas-Fired Warm Air Furnaces	4
² PED	116 Lifetime Fitness & Wellness	<u>1</u>
Total		16
3rd Semester		
AIR	205 Hydronics & Zoning	4
AIR	213 Air Conditioning & Refrigeration Controls III	4
AIR	251 Air Conditioning Systems I	4
³ _____	Social Science Elective	3
CST	110 Intro to Communication	<u>3</u>
Total		18
4th Semester		
AIR	207 Heat Loads and Psychrometrics	4
AIR	235 Heat Pumps	4
AIR	238 Advanced Troubleshooting & Service	4
AIR	252 Air Conditioning Systems II	4
² PED/RPK	Elective	<u>1</u>
Total		17

Total credits for the A.A.S. Degree in Air Conditioning and Refrigeration = 69

¹ Humanities/fine arts elective may be selected from the humanities/fine arts courses listed under General Education Electives.

² The PED requirement may be met by one of the following options: PED 116, 2 cr.; PED 116, 1 cr. plus a PED activities course, 1 cr.; or PED 116 1 cr. plus RPK activities course. PED 116 is offered as both a 1-credit and a 2-credit course.

³ The social science elective may be selected from the social/behavioral sciences courses listed under General Education Electives.