

AIR CONDITIONING AND REFRIGERATION

Associate of Applied Science Degree

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Purpose: This curriculum is designed to prepare students for jobs in the refrigeration and air conditioning field. The occupational objectives include service, maintenance, repair, and installation of refrigeration and air conditioning equipment.

Transfer Information: Although transfer is not the primary purpose of an A.A.S. program, NVCC 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
PHY	101 Intro to Physics	4
¹ HIS	Elective	3
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 Cond. Systems I	4
³ _____	Social Science Elective	3
SPD	110 Intro. to Speech 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 Cond. Systems II	4
² PED/RPK		<u>1</u>
Total		17

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

¹ Select from HIS 101, 102, 111, 112, 255, or 256.

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 economics, geography, history, political science, psychology, or sociology (includes anthropology) courses listed on page 54.