Occupational Endorsement Certificate in Commercial Refrigeration Systems

This program is delivered only through Matanuska-Susitna College.

Admission Requirements

Satisfy the Application and Admission Requirements for Occupational Endorsement Certificate Programs (http://catalog.uaa.alaska.edu/academicpoliciesprocesses/admissions/undergraduate).

Advising

Students are urged to meet with a faculty advisor prior to enrollment in RH classes. Certain courses require prerequisites or faculty permission. See an advisor for information on the recommended course sequence.

Graduation Requirements

- Satisfy the General University Requirements for Occupational Endorsement Certificates (http://catalog.uaa.alaska.edu/undergraduateprograms/oecrequirements).
- Complete the program requirements below.

Program Requirements

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>RH A101</td>
<td>Refrigeration and Air Conditioning Fundamentals</td>
<td>4</td>
</tr>
<tr>
<td>RH A105</td>
<td>Electrical Circuits for Refrigeration and Heating I</td>
<td>3</td>
</tr>
<tr>
<td>RH A122</td>
<td>Refrigeration and Air Conditioning</td>
<td>4</td>
</tr>
<tr>
<td>RH A126</td>
<td>Electrical Circuits for Refrigeration and Heating II</td>
<td>3</td>
</tr>
<tr>
<td>RH A132</td>
<td>Troubleshooting for HVAC/R Systems</td>
<td>3</td>
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</tbody>
</table>

Total Credits 17

A total of 17 credits is required for the certificate.

Program Student Learning Outcomes

Students graduating with the Occupational Endorsement Certificate in Commercial Refrigeration Systems will be able to:

- Obtain employment as an entry-level refrigeration technician and be able to advance professionally.
- Work effectively with customers, employers, and co-workers.
- Systematically troubleshoot refrigeration systems.
- Apply municipal, state, and national mechanical codes to decisions involving the design, installation, operation, and maintenance of refrigeration systems.

- Apply the fundamental laws of physics related to the air conditioning and refrigeration industry.
- Understand and describe the function of individual components that make up refrigeration systems.
- Work safely with tools, torches, electricity, refrigerants, and other equipment and materials associated with refrigeration work.
- Follow work practices that are environmentally responsible.