HEATING, VENTILATION, AIR CONDITIONING & REFRIGERATION TECHNOLOGY
Milford Campus

2019-20 PROGRAM OF STUDY

There is a high demand for well-trained HVAC technicians nationwide, and it can also be very satisfying to help people with heating and cooling issues. Professionals in the HVAC/R industry design, build, install, service, maintain, troubleshoot, and repair heating and cooling systems year-round.

Top Career Options
• Maintenance Specialist
• Building Engineer
• Service Technician
• Heating System Specialist
• Service Manager

The partnership between the HVAC program at SCC and Shanahan’s has been essential in keeping our business supported with well-rounded individuals in the HVAC trade. Over the last several decades, we have grown and adapted new technology. Much of this was through our involvement with SCC faculty and staff. The graduate employment rate and job opportunities are key indicators of the value of this program. We truly appreciate our relationship with all of the programs at SCC.

- Todd Hilfiker, IES Commercial Inc.
  dba Shanahan M&E

For more information contact:
Mike Roth, Program Director
402-761-8263, 800-933-7223 ext. 8263,
mroth@southeast.edu
or the College Admissions Office
Milford 402-761-8243, 800-933-7223 ext. 8243

Credit Hours Required for Graduation:
Associate of Applied Science Degree: .........65.5

Equal Opportunity/NonDiscrimination Policy - It is the policy of Southeast Community College to provide equal opportunity and nondiscrimination in all admission, attendance, and employment matters to all persons without regard to race, color, religion, sex, age, marital status, national origin, ethnicity, veteran status, sexual orientation, disability, or other factors prohibited by law or College policy. Inquiries concerning the application of Southeast Community College’s policies on equal opportunity and nondiscrimination should be directed to the Vice President for Access/Equity/Diversity, SCC Area Office, 301 S. 68th Street Place, Lincoln, NE 68510, 402-323-3412, FAX 402-323-3420, or jsoto@southeast.edu.

This publication should not be considered a contract between SCC and any prospective student. SCC’s Board of Governors reserves the right to make changes in this publication during the life of the publication and without notice.

2019-2020 Tuition/Fee Rate Per Credit Hour
Nebraska Resident $108
Out-of-state tuition/fee rate $129

Estimated Expenses
Tuition/Fees $ 7074
Books 2175
Special Fees 255
Tools/Supplies 1876
Total: $11,380

Recent graduates report an average starting wage of $16.65 per hour.

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General Education Requirements

Contact your program advisor to select general education courses from each category, which will meet your program’s graduation requirements. See the General Education pages for a complete list. (One class from each area below).

GELO #1: Oral Communications 3.0
GELO #2: Written Communications 3.0
GELO #3: Critical Thinking & Problem Solving 3.0-4.0
PHYS1150 Descriptive Physics (Recommended)
GELO #5: Analytical, Quantitative, and Scientific Reasoning
MATH1020 Technical Math (Recommended) 3.0

(Plus one class from the two areas listed below)

GELO #6: Career and Life Skills
GELO #4: Global Awareness and Citizenship 3.0

15.0-16.0 hours

HVAC/R Required Courses

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<th>Course title</th>
<th>Credit hrs</th>
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<td>HVAC1109</td>
<td>Electrical Theory/Lab</td>
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<td>HVAC1131</td>
<td>Refrigeration Systems I</td>
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<td>HVAC1132</td>
<td>Piping Practices</td>
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<td>HVAC1226</td>
<td>Refrigeration Lab I</td>
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<td>HVAC1237</td>
<td>Refrigeration Systems II</td>
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<td>HVAC1251</td>
<td>Hydronic Heating</td>
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<td>HVAC1330</td>
<td>Residential Controls I</td>
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<td>Manual J/Manual D</td>
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<td>Heat Pump Systems</td>
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<td>HVAC1450</td>
<td>EPA Refrigerant Certification</td>
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<td>Residential Install Lab</td>
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<td>HVAC1461</td>
<td>Residential Controls II</td>
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<td>HVAC2600</td>
<td>HVAC/R Lab</td>
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<td>HVAC2610</td>
<td>HVAC Troubleshooting</td>
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<tr>
<td>HVAC2649</td>
<td>Commercial HVAC Systems</td>
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<td>Internship or</td>
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<td>HVAC2901</td>
<td>Cooperative Experience</td>
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<td>WELD1190</td>
<td>O/A and GMAW Welding</td>
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50.5 hours