Call Us, We Can Help!
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For More Information:
Academic Program Head—Michael Hirt:
474-6764 ~ mjhirt@alaska.edu

Finish Carpentry Instructor - James Ryan Ford:
474-5958 ~ rford23@alaska.edu

“The CTT instructor is very encouraging and willing to go out of his way to help you learn.”
- Anonymous

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The University of Alaska Fairbanks is an equal opportunity employer and educational institution.
Construction Trades Technology (CTT) Certificate Program

Facility Maintenance

The facility maintenance program trains participants in dealing with challenges unique to rural Alaskan structures. Training consists of identifying, troubleshooting and customizing solutions to a building or home, learning the importance of working with community advocates, tracking and analyzing past maintenance trends and developing strategies for future maintenance needs.

Required course for the Facility Maintenance Occupational Endorsement include:

CTT 130--Introduction to Facilities Maintenance
CTT F133--Cabinet Installation with Countertops
CTT F135--Boiler Troubleshooting and Burner Repair
CTT F137--Appliance Troubleshooting and Repair
CTT F138--Troubleshooting HVAC Systems
CTT F151--Introduction to Plumbing Tools and Drawings
CTT F153--Plastic and Copper Pipe and Fittings

1. Complete General University Requirements
2. Complete General Certificate requirements in Communication; Computation & Human Relations. Minimum of 30 semester credits at the 100 level or above. 15 semester credits must be earned at UAF.

With the following Computation specified 9 credits
CTT 106 Construction Mathematics
Or
TTCH 131 Maintenance Math

3. Complete the CTT Certificate requirements:

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Name</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>CTT 100</td>
<td>Construction Technology Core</td>
<td>3</td>
</tr>
<tr>
<td>CTT 101</td>
<td>Basic Construction Safety</td>
<td></td>
</tr>
<tr>
<td>CTT 102</td>
<td>Intro to Hand &amp; Power Tools</td>
<td></td>
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<tr>
<td>CTT 103</td>
<td>Intro to Blueprint Reading</td>
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<tr>
<td>CTT 104</td>
<td>Basic Communication &amp; Employability Skills</td>
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<tr>
<td>CTT 110</td>
<td>Residential Carpentry Level One 8.5 credits</td>
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<tr>
<td>CTT 111</td>
<td>Materials and Tools Used in the Trade</td>
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<tr>
<td>CTT 112</td>
<td>Floor Systems, Wall &amp; Ceiling Framing</td>
<td></td>
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<tr>
<td>CTT 113</td>
<td>Roof Framing, Windows &amp; Exterior Doors</td>
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<tr>
<td>CTT 114</td>
<td>Intro to Concrete Materials &amp; Forms</td>
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<tr>
<td>CTT 115</td>
<td>Residential Carpentry Level Two 12 credits</td>
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</tr>
<tr>
<td>CTT 116</td>
<td>Reading Plans &amp; Site Layout-One</td>
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<tr>
<td>CTT 117</td>
<td>Exterior Finish &amp; Moisture Protection</td>
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<tr>
<td>CTT 118</td>
<td>Roofing, Stairs &amp; Metal Studs Applications</td>
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<tr>
<td>CTT 119</td>
<td>Drywall &amp; Interior Finish Applications</td>
<td></td>
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<tr>
<td>HLT 122</td>
<td>Health</td>
<td>1</td>
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<tr>
<td>CTT 199</td>
<td>Students Practicum I</td>
<td>3</td>
</tr>
</tbody>
</table>

Total credits total for AAS 63.5 credits

CTT can be envisioned as a circle. The circle depicts educational pathways available through the CTT Program which begins with support of CTT Tech Prep students (K-12) to an occupational endorsement (12 credits) to a certificate (36.5 credits) to an Associate of Applied Science (75 credits).

CTT Tech Prep agreements with rural high schools, so students receive high school and college credit.

- The 36.5 credit Certificate includes courses in construction math, first aid, human relations and communication.
- The 75 credit A.A.S increases the student’s skills in electrical and plumbing areas.
- The CTT program is geared to students who would like to be employed in their home community, but also prepares students to advance into apprenticeship programs or other higher education programs.
- Through University of Alaska Fairbanks/I-AC instruction, CTT students acquire hands-on, skill-based knowledge of residential and light frame construction.
- CTT provides place-appropriate education and career preparation for village-based students, particularly Alaska Native students.

CTT is a hands-on training program that is taught by professionals with decades of practical experience.