

# CERTIFICATE, CONSTRUCTION TRADES TECHNOLOGY

## Minimum Requirements for Certificate: 30 credits

Students must earn a C- or better in each course.

Code	Title	Credits
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### General University Requirements

Complete the general university requirements. (<http://catalog.uaf.edu/certificates-associate>)

### Certificate Requirements

Complete the certificate requirements. (<http://catalog.uaf.edu/certificates-associate/summary-of-certificate-and-associate-degree-requirements/#certificatestext>)<sup>1</sup>

As part of the certificate requirements, complete:

CTT F106 or TTCH F131	Construction Mathematics Mathematics for the Trades	3
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### Program Requirements

CTT F100 or CTT F101 and CTT F102 and CTT F103	Construction Technology Core Basic Construction Safety and Introduction to Hand and Power Tools and Introduction to Blueprint Reading	3
HLTH F122	First Aid and CPR for the Healthcare Provider	0

### Concentrations

Complete one of the following concentrations: 17-23.5

Carpentry		
Facility Maintenance		
Sustainable Energy		

<sup>1</sup> As part of the certificate requirement, complete 3 credits each in the communication and human relations requirements.

## Concentrations

### CARPENTRY

Code	Title	Credits
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Complete the following:

CTT F110 or CTT F111 and CTT F112 and CTT F113 and CTT F114	Residential Carpentry I Materials and Tools Used in the Trade and Floor Systems, Wall and Ceiling Framing and Roof Framing, Windows and Exterior Doors and Introduction to Concrete Materials and Forms	8.5
CTT F115 or CTT F116 and CTT F117 and CTT F118 and CTT F119	Residential Carpentry--Level II Reading Plans and Site Layout--Level I and Exterior Finish and Moisture Protection and Roofing, Stairs and Metal Studs Applications and Drywall and Interior Finish Applications	12
CTT F199	Student Practicum I	1-3

### FACILITY MAINTENANCE

Code	Title	Credits
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Complete the following:

CTT F130	Introduction to Facilities Maintenance	1
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CTT F131	Interior Repairs: Drywall, Woodwork Trim, Window Replacement	1
CTT F132	Flooring Installation: Vinyl, Wood and Parquet	1
CTT F133	Cabinet Installation with Countertops	1
CTT F135	Boiler Troubleshooting and Burner Repair	2
CTT F137	Appliance Troubleshooting and Repair	2
CTT F138	Residential Heating Controls	2
CTT F151	Introduction to Plumbing Tools and Drawings	1
CTT F153	Plastic and Copper Pipe and Fittings	1
Other advisor approved electives related to the concentration		3
CTT F199	Student Practicum I <sup>1</sup>	2

<sup>1</sup> Students must take a minimum of 2 credits in CTT F199.

## SUSTAINABLE ENERGY

Code	Title	Credits
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Complete the following:

DEVM F105	Intermediate Algebra	3
ENVI F220	Introduction to Sustainable Energy	3

Complete at least 9 credits from the following: 9

CS S201	Cold Climate Construction <sup>1</sup>	
CTT F100	Construction Technology Core	
CTT F160	Photovoltaic Systems I	
CTT F161	Photovoltaic Systems II	
CTT F250	Current Topics in Construction Trades	
ENVI F101	Introduction to Environmental Science	
ENVI F120	Home Energy Basics	
PHYS F102X	Energy and Society	

Other advisor approved courses related to the concentration

CTT F199	Student Practicum I <sup>2</sup>	3
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Total Credits 18

<sup>1</sup> CT S201 is offered by University of Alaska Southeast.

<sup>2</sup> Students must take a minimum of 3 credits in CTT F199.