

Carpentry Technology

The Carpentry Technology program provides the basic entry-level skills in the construction of buildings. Skilled carpenters are required in areas of new building construction, repair, and alteration of buildings. The program provides an introduction into the sustainable and green construction methods and materials, while offering instruction in the State of Hawai'i's building codes for energy efficiency. This program also enhances the graduates entry into the carpenters apprenticeship program.

Program Admission Requirements:

(1) Qualified for ENG 106 and either qualified for MATH 100 or concurrent enrollment in MATH 75X or higher; or (2) approval of instructor.

Program Student Learning Outcomes (PSLOs) approved 02/15/2022:

1. Read and understand blueprints sufficiently to use them to plan a project.
2. Select materials properly for a given project that comply with published codes and deliver energy efficient outcomes.
3. Maintain and care for the tools required in the electrical industry.
4. Utilize Occupational Safety and Health Administration (OSHA) and State safety regulations to minimize risk and protect self and others.
5. Communicate successfully orally and in writing using computer technology.
6. Demonstrate the craftsmanship standards of dependability, punctuality, and quality.

Carpentry Technology Degrees and Certificates

Carpentry Technology: Associate in Applied Science Degree

Some courses in the program are offered in a particular cycle and the course offerings will vary depending on the year of the first Fall semester. Two possible pathways are provided: one pathway for students starting in the Fall in an odd year (Track 1) and one pathway for students starting in the Fall in an even year (Track 2).

Track 1 (Odd Year)

This suggested sequence is for students starting in the fall during an odd year.

Fall (Semester 1)

Course	Course Title/Category	Credits
BLPR 122	Blueprint Reading	3
CARP 120B	Basic Carpentry Skills	3
CARP 120C	Applied Carpentry Skills	8
FENG 120	Facility Safety and Accident Prevention	1
WELD 117	Introduction to Welding	2
WELD 118	Shop Tools and Equipment	1
	Communication: A.A.S. Core Options	3

Spring (Semester 2)

Course	Course Title/Category	Credits
CARP 141B	Rough Framing and Exterior Finish I	3
CARP 141C	Rough Framing and Exterior Finish II	8
	Thinking, Reasoning, and Mathematics: A.A.S. Core Options	3

1. Thinking, Reasoning, and Mathematics: QM 108 is recommended.

Fall (Semester 3)

Course	Course Title/Category	Credits
CARP 122B	Concrete Forms I	3
CARP 122C	Concrete Forms II	8
	Cultural Environment: A.A.S. Core Options	3

Spring (Semester 4)

Course	Course Title/Category	Credits
CARP 142B	Finishing I	3
CARP 142C	Finishing II	8
	Natural Environment: A.A.S. Core Options	3
	Social Environment: A.A.S. Core Options	3

1. Natural Environment: PHYS 101 is recommended.

Track 2 (Even Year)

This suggested sequence is for students starting in the fall during an even year.

Fall (Semester 1)

Course	Course Title/Category	Credits
BLPR 122	Blueprint Reading	3
CARP 122B	Concrete Forms I	3
CARP 122C	Concrete Forms II	8
FENG 120	Facility Safety and Accident Prevention	1
WELD 117	Introduction to Welding	2
WELD 118	Shop Tools and Equipment	1
	Communication: A.A.S. Core Options	3

Spring (Semester 2)

Course	Course Title/Category	Credits
CARP 142B	Finishing I	3
CARP 142C	Finishing II	8
	Thinking, Reasoning, and Mathematics: A.A.S. Core Options	3

1. Thinking, Reasoning, and Mathematics: QM 108 is recommended.

Fall (Semester 3)

Course	Course Title/Category	Credits
CARP 120B	Basic Carpentry Skills	3
CARP 120C	Applied Carpentry Skills	8
	Cultural Environment: A.A.S. Core Options	3

Spring (Semester 4)

Course	Course Title/Category	Credits
CARP 141B	Rough Framing and Exterior Finish I	3
CARP 141C	Rough Framing and Exterior Finish II	8
	Natural Environment: A.A.S. Core Options	3
	Social Environment: A.A.S. Core Options	3

1. Natural Environment: PHYS 101 is recommended.

Total Credits	66
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Category Descriptions

Communication: A.A.S. Core Options

Refer to the "General Education/Skills Core Options Course List" under the "Programs (Certificates and Degrees)" section of the catalog for a list of courses that will fulfill this category.

Cultural Environment: A.A.S. Core Options

Refer to the "General Education/Skills Core Options Course List" under the "Programs (Certificates and Degrees)" section of the catalog for a list of courses that will fulfill this category.

Natural Environment: A.A.S. Core Options

Refer to the "General Education/Skills Core Options Course List" under the "Programs (Certificates and Degrees)" section of the catalog for a list of courses that will fulfill this category.

Social Environment: A.A.S. Core Options

Refer to the "General Education/Skills Core Options Course List" under the "Programs (Certificates and Degrees)" section of the catalog for a list of courses that will fulfill this category.

Thinking, Reasoning, and Mathematics: A.A.S. Core Options

Refer to the "General Education/Skills Core Options Course List" under the "Programs (Certificates and Degrees)" section of the catalog for a list of courses that will fulfill this category.

Carpentry Technology: Certificate of Achievement

Some courses in the program are offered in a particular cycle and the course offerings will vary depending on the year of the first Fall semester. Two possible pathways are provided: one pathway for students starting in the Fall in an odd year (Track 1) and one pathway for students starting in the Fall in an even year (Track 2).

Track 1 (Odd Year)

This suggested sequence is for students starting in the fall during an odd year.

Fall (Semester 1)

Course	Course Title/Category	Credits
BLPR 122	Blueprint Reading	3
CARP 120B	Basic Carpentry Skills	3
CARP 120C	Applied Carpentry Skills	8
FENG 120	Facility Safety and Accident Prevention	1

Spring (Semester 2)

Course	Course Title/Category	Credits
CARP 141B	Rough Framing and Exterior Finish I	3
CARP 141C	Rough Framing and Exterior Finish II	8
	Thinking, Reasoning, and Mathematics: A.A.S. Core Options	3

1. Thinking, Reasoning, and Mathematics: QM 108 is recommended.

Fall (Semester 3)

Course	Course Title/Category	Credits
CARP 122B	Concrete Forms I	3
CARP 122C	Concrete Forms II	8

Spring (Semester 4)

Course	Course Title/Category	Credits
CARP 142B	Finishing I	3
CARP 142C	Finishing II	8

Track 2 (Even Year)

This suggested sequence is for students starting in the fall during an even year.

Fall (Semester 1)

Course	Course Title/Category	Credits
BLPR 122	Blueprint Reading	3
CARP 122B	Concrete Forms I	3
CARP 122C	Concrete Forms II	8
FENG 120	Facility Safety and Accident Prevention	1

Spring (Semester 2)

Course	Course Title/Category	Credits
CARP 142B	Finishing I	3
CARP 142C	Finishing II	8
	Thinking, Reasoning, and Mathematics: A.A.S. Core Options	3

Thinking, Reasoning, and Mathematics: QM 108 is recommended.

Fall (Semester 3)

Course	Course Title/Category	Credits
CARP 120B	Basic Carpentry Skills	3
CARP 120C	Applied Carpentry Skills	8

Spring (Semester 4)

Course	Course Title/Category	Credits
CARP 141B	Rough Framing and Exterior Finish I	3
CARP 141C	Rough Framing and Exterior Finish II	8
	Total Credits	51

Category Descriptions

Thinking, Reasoning, and Mathematics: A.A.S. Core Options

Refer to the "General Education/Skills Core Options Course List" under the "Programs (Certificates and Degrees)" section of the catalog for a list of courses that will fulfill this category.

Carpentry Technology: Certificate of Competence (Facilities Maintenance Technology)

Some courses in the program are offered in a particular cycle and the course offerings will vary depending on the year of the first Fall semester. Two possible pathways are provided: one pathway for students starting in the Fall in an odd year (Track 1) and one pathway for students starting in the Fall in an even year (Track 2).

Track 1 (Odd Year)

This suggested sequence is for students starting in the fall during an odd year.

Fall (Semester 1)

Course	Course Title/Category	Credits
BLPR 122	Blueprint Reading	3
CARP 120B	Basic Carpentry Skills	3
FENG 120	Facility Safety and Accident Prevention	1
WELD 117	Introduction to Welding	2
WELD 118	Shop Tools and Equipment	1

Spring (Semester 2)

Course	Course Title/Category	Credits
CARP 141B	Rough Framing and Exterior Finish I	3

Fall (Semester 3)

Course	Course Title/Category	Credits
CARP 122B	Concrete Forms I	3

Spring (Semester 4)

Course	Course Title/Category	Credits
CARP 142B	Finishing I	3

Track 2 (Even Year)

This suggested sequence is for students starting in the fall during an even year.

Fall (Semester 1)

Course	Course Title/Category	Credits
BLPR 122	Blueprint Reading	3
CARP 122B	Concrete Forms I	3
FENG 120	Facility Safety and Accident Prevention	1
WELD 117	Introduction to Welding	2
WELD 118	Shop Tools and Equipment	1

Spring (Semester 2)

Course	Course Title/Category	Credits
CARP 142B	Finishing I	3

Fall (Semester 3)

Course	Course Title/Category	Credits
CARP 120B	Basic Carpentry Skills	3

Spring (Semester 4)

Course	Course Title/Category	Credits
CARP 141B	Rough Framing and Exterior Finish I	3
Total Credits		19