



Construction Technology

Student Learning Outcomes

- 1 Communication- The student will demonstrate the ability to communicate effectively using written and/or oral communication.
- 2 Information Literacy- The student will recognize when information is needed and have the ability to locate, evaluate, and use effectively the needed information.
- 3 Problem Solving- The student will demonstrate the ability to analyze information and solve problems.
- 4 Workplace Skills - Demonstrates a mastery of workplace skills/soft skills, exhibits initiative, adapts to varied situations

Program Outcomes

- 1 Identify various types of building materials and describe their uses.
- 2 List safety precautions associated with building materials.
- 3 Describe the proper method of handling and storing building materials.
- 4 Explain how to calculate the quantities of lumber, panel, and concrete products using industry-standard methods.
- 5 Describe the fasteners, anchors, and adhesives used in construction and explain their uses.
- 6 Identify the career and entrepreneurial opportunities within the carpentry trade.
- 7 Identify the skills, responsibilities, and characteristics needed to be a successful carpenter.
- 8 Summarize how to be connected to the industry through an organization like SkillsUSA.
- 9 Explain the importance of safety in the construction industry, and describe the obligations of the contractor, subcontractors, and you to ensure a safe work environment.
- 10 Read and interpret specifications and drawings to determine floor system requirements.
- 11 Identify the different types of framing systems.
- 12 Identify floor system components.
- 13 Estimate the amount of material needed for a floor assembly.
- 14 Identify the components of a wall system.

- 15 Describe the procedure for laying out a wood frame wall, including plates, corner posts, door and window openings, partition Ts, bracing, and fire-stops.
- 16 Describe the correct procedure to estimate the materials required to frame walls.
- 17 Identify alternative wall systems.

Associate of Applied Sciences, Construction Technology

Total Credits 60

Fall

Course #	Course Title	Credits	Function
CCP 100	Introductory Craft Skills	3	Technical Studies
CCP 108	Construction Basics	2	Technical Studies
CCP 112	Carpentry I	3	Technical Studies
CCP 122	Carpentry II	4	Technical Studies
CCP 124	Exterior Envelope	3	Technical Studies
SAF 101	Safety Orientation/OSHA 10	1	Technical Studies
MTH	Math Elective*	3	General Studies

Spring

Course #	Course Title	Credits	Function
CCP 134	Introduction to Concrete Construction	3	Technical Studies
CCP 128	Interior Systems	2	Technical Studies
CCP 138	Advanced Framing	3	Technical Studies
CCP 144	Advanced Finish and Trim	3	Technical Studies
CCP 148	Vertical and Horizontal Formwork	3	Technical Studies
CCP 155	FEMA Doors & Hardware	1	Technical Studies
ENG 101	Composition I*	3	General Studies

Summer

Course #	Course Title	Credits	Function
CCP 154	Finishing Concrete	2	Technical Studies
CCP 172	Fundamentals of Crew Leadership	2	Technical Studies
CCP 180	Cabinet Installation	1	Technical Studies
CCP 168	Equipment Operation	3	Technical Studies

Fall

Course #	Course Title	Credits	Function
CCP 185	Carpentry Internship I	3	Technical Studies
CCP 187	Carpentry Internship II	3	Technical Studies

	Communication Elective*	3	General Studies
	Humanities Elective *	3	General Studies
	Social Science Elective*	3	General Studies

* **Kansas Systemwide General Education**

Technical Certificate, Construction Technology Cert A

Total Credits 19

Fall

Course #	Course Title	Credits	Function
CCP 100	Introductory Craft Skills	3	Technical Studies
CCP 108	Construction Basics	2	Technical Studies
CCP 112	Carpentry I	3	Technical Studies
CCP 122	Carpentry II	4	Technical Studies
CCP 124	Exterior Envelope	3	Technical Studies
SAF 101	Safety Orientation/OSHA 10	1	Technical Studies

Spring

Course #	Course Title	Credits	Function
CCP 134	Introduction to Concrete Construction	3	Technical Studies

Technical Certificate, Construction Technology Cert B

Total Credits 34

Fall

Course #	Course Title	Credits	Function
CCP 100	Introductory Craft Skills	3	Technical Studies
CCP 108	Construction Basics	2	Technical Studies
CCP 112	Carpentry I	3	Technical Studies
CCP 122	Carpentry II	4	Technical Studies
CCP 124	Exterior Envelope	3	Technical Studies
SAF 101	Safety Orientation/OSHA 10	1	Technical Studies

Spring

Course #	Course Title	Credits	Function
CCP 128	Interior Systems	2	Technical Studies
CCP 134	Introduction to Concrete Construction	3	Technical Studies
CCP 138	Advanced Framing	3	Technical Studies

CCP 144	Advanced Finish and Trim	3	Technical Studies
CCP 148	Vertical and Horizontal Formwork	3	Technical Studies
CCP 155	FEMA Doors & Hardware	1	Technical Studies

Summer

Course #	Course Title	Credits	Function
CCP 172	Fundamentals of Crew Leadership	2	Technical Studies
CCP 180	Cabinet Installation	1	Technical Studies

Technical Certificate, Construction Technology Cert C

Total Credits 45

Fall

Course #	Course Title	Credits	Function
CCP 100	Introductory Craft Skills	3	Technical Studies
CCP 108	Construction Basics	2	Technical Studies
CCP 112	Carpentry I	3	Technical Studies
CCP 122	Carpentry II	4	Technical Studies
CCP 124	Exterior Envelope	3	Technical Studies
SAF 101	Safety Orientation/OSHA 10	1	Technical Studies

Spring

Course #	Course Title	Credits	Function
CCP 128	Interior Systems	2	Technical Studies
CCP 134	Introduction to Concrete Construction	3	Technical Studies
CCP 138	Advanced Framing	3	Technical Studies
CCP 144	Advanced Finish and Trim	3	Technical Studies
CCP 148	Vertical and Horizontal Formwork	3	Technical Studies
CCP 155	FEMA Doors & Hardware	1	Technical Studies

Summer

Course #	Course Title	Credits	Function
CCP 154	Finishing Concrete	2	Technical Studies
CCP 172	Fundamentals of Crew Leadership	2	Technical Studies
CCP 180	Cabinet Installation	1	Technical Studies
CCP 168	Equipment Operation	3	Technical Studies

Fall

Course #	Course Title	Credits	Function
CCP 185	Carpentry Internship I	3	Technical Studies
CCP 187	Carpentry Internship II	3	Technical Studies