

RCTC PROGRAM PLAN

CARPENTRY

Diploma

I. PROGRAM CORE REQUIREMENTS.....32 CREDITS

- CR 1600, Carpentry Theory I, 3 cr
- CR 1610, Residential Blueprint Reading, 2 cr
- CR 1612, Shop Practice I, 2 cr
- CR 1622, Carpentry Theory II, 3 cr
- CR 1623, Rough Framing, 5 cr
- CR 1625, Footings and Foundations, 2 cr
- CR 1627, Roof Systems, 2 cr
- CR 1632, Construction Estimating, 3 cr
- CR 1635, Shop Practice II, 2 cr
- CR 1636, Interior Finishing, 4 cr
- CR 1637, Exterior Finishing, 4 cr

TOTAL32 CREDITS

PROGRAM OUTCOMES:

Upon completion of the Carpentry program at RCTC, students will achieve the following outcomes:

- Show skills in communication, confident decision-making, and team work enabling students to work as a productive member of a construction crew.
- Demonstrate the safe use of the appropriate tools, materials, and techniques as required to carry out work on a building project.
- Read and interpret information from blueprints and specifications.
- Estimate materials and labor costs to complete a building project.
- Perform general carpentry skills, apply codes, and safety standards.
- Adapt a sense of pride, professionalism, and the desire to progress and excel in the construction trades.
- Build character and gain confidence to seek employment within the skilled trades.

ADDITIONAL NOTES:

PURPOSE: The Carpentry major is designed to prepare students for careers as carpenters in residential and commercial construction, furniture manufacturing, cabinet shops and building maintenance fields. Course instruction includes carpentry theory, shop practice, foundations, rough framing, interior and exterior finishing, blueprint reading and cost estimating. Students will have hands on experience with power tools including nails guns, power saws and various woodworking equipment. The primary activity of the program is the construction of a residential home that includes site layout, footings, framing, roofing, insulating, drywall and finish trim. Two-thirds of the instruction is onsite at the construction location. Graduates typically start as entry-level carpenters and with further education and experience can become journeyman, foremen or business owners.

Revised: 08/15/2019

Implementation: Fall 2019