

SOUTHEAST COMMUNITY COLLEGE
ADVANCED TECHNOLOGIES AND SKILLED TRADES DIVISION
Building Construction Technology Program
Revision Date: January 14, 2026

I. CATALOG DESCRIPTION

Course Number: CNST1470
Course Title: Exterior Finishes: Processes and Practices
Prerequisite(s): CNST1460
Catalog Description: This course introduces the fundamentals and applications of exterior finishes, emphasizing the process of home building through the study of blueprints, construction texts, and references. Topics covered will include roofing, windows, exterior doors, exterior trim, and siding.

Credit Hours: 4.5
Class Hours: 30
Lab Hours: 113
Total Contact Hours: 143

II. COURSE OBJECTIVES: *Course will:*

- A. Identify roofing materials.
- B. Demonstrate installation of roofing materials.
- C. Identify window and exterior door products.
- D. Demonstrate installation of windows and exterior door products.
- E. Identify insulation products and their installation applications.
- F. Identify climate zones pertaining to insulation.
- G. Discuss materials and processes included in the building envelope pertaining to temperature and moisture control and ventilation.
- H. Demonstrate how to interpret construction drawings & documents pertaining to exterior finishes.

III. STUDENT LEARNING OUTCOMES AND GENERAL EDUCATION LEARNING OUTCOMES:

- A. Student Learning Outcomes: *Student will be able to:*
 - 1. Identify materials and components for roofing.
 - 2. Construct mockups with materials per the manufacturer's directives for roofing.
 - 3. Identify materials and components for doors & windows
 - 4. Construct mockups with materials per the manufacturer's directives for doors & windows
 - 5. Identify materials, proper usage, and identify climate zones pertaining to insulation
 - 6. Identify components and methods pertaining to the Building Envelope, including but not limited to thermal and moisture control/protection and ventilation.
 - 7. Interpret and read construction documents pertaining to the exterior of a structure.
- B. General Education Learning Outcomes (GELOs)
 - 1. GELO #3: Critical Thinking & Problem Solving
Outcome 2: Synthesize information to arrive at reasoned solutions to problems.

IV. CONTENT/TOPICAL OUTLINE *(course outline may provide more detailed information)*

- A. Introduction to roofing
- B. Introduction to windows and exterior doors
- C. Introduction to insulation

- D. Introduction to building envelope theory
- E. Introduction to construction documents pertaining to residential exteriors

V. INSTRUCTIONAL MATERIALS

- A. Required Text(s):
 - 1. NCCER Advanced Carpentry: Frame & Finish and General Carpentry. (Refer to the CID and or the instructor for current addition.
- B. Supplies/Tools Required by the Building Construction Program:

1. 16 oz plumb hammer	15. Stanley steel tape
2. Stanley combination square	16. #1 and #2 Phillips screwdrivers
3. Stanley framing square	17. Straight blade screwdriver
4. Coping saw	18. Nail apron
5. Stanley block plane	19. Drill bit index
6. Stanley wood chisels	20. 3/8" cordless drill
7. Large oil stone	21. Wonder bar
8. Nail sets	22. Cats paw
9. Stanley putty knife	23. Sanding block
10. Stanley utility knife	24. vix bit Set
11. Chalk box	25. 24" carpenter's level
12. Compass scribe	26. 26" handsaw
13. Pliers	
14. Sliding T-bevel	

VI. METHODS OF PRESENTATION/INSTRUCTION

- A. Methods of presentation typically include a combination of the following:
 - 1. Lecture
 - 2. Classroom and lab demonstration
 - 3. Classroom discussion and lab assistance/discussion
 - 4. Video presentation
 - 5. PowerPoint presentations
 - 6. Speaker(s)
 - 7. Field trip(s)
 - 8. Instructional handouts

VII. METHODS OF EVALUATION

- A. Methods of evaluation, although determined by the individual instructor, traditionally includes a combination of the following:
 - 1. Assignments
 - a. Due dates are provided with assignment
 - b. Complete projects on time
 - c. Points are deducted if a project is late
 - 2. Cutting material for minimal waste
 - 3. Workmanship and self-discipline
 - 4. Safety practices
 - 5. Grading rubrics in class shell.

VIII. SPECIFIC COURSE REQUIREMENTS

- A.** Student must meet all of the following to receive a passing grade:
 - 1.** Achieve a passing grade of “C” (70%) or higher, based on SCC grading scale.
 - 2.** Submit own work. Students turning in homework, reports, field notes, or calculations by someone other than themselves will receive 0% and be referred to the Division Dean and Dean of Students for further disciplinary action. Consequences can include failing the course.
 - 3.** Demonstrate attitude, skills, and character commensurate with industry standards.
 - 4.** Intentional damage to college property will not be tolerated and may result in punitive action, such as being removed from the program.
 - 5.** All cell phones will be turned off during class/lab time. If this becomes a problem, the instructor may consider the delinquent student absent.
- B.** All program policies of the Building Construction Technology program will be strictly enforced.