



Alabama
Department of
Postsecondary Education
Representing the Alabama Community College System

STATEWIDE CAREER/TECHNICAL EDUCATION COURSE ARTICULATION REVIEW MINUTES

Articulation Agreement Identifier: CAR 132 (2006-1) Identifier is the postsecondary course prefix followed by Plan-of-Instruction version number (e.g.; INT 100 (2005-1)).

Applicable CIP code(s): 46.0201

Postsecondary course prefix, number, and title: CAR 132 Interior and Exterior Finishes

Secondary Education course(s) title and number: 430113/410008 - Construction Finishing and Interior Systems OR 431306/430035 - Carpentry for Residential Exteriors + 431302/410007 - Carpentry II + 431305/430034 - Carpentry for Residential Interiors

Initial Review: January 21, 2010

Annual DPE Review: February 9, 2012

Effective date: **Fall Semester 2011.**

Course Content Analysis (all postsecondary course objectives must be sufficiently addressed in the secondary courses):

Notes:

- 1 Skills and knowledge contained in the postsecondary course objectives must be present in the corresponding secondary objectives for a “match” to occur.**
- 2. Postsecondary and Secondary objectives must reflect similar content and performance levels before the course articulation agreement will be recommended to the TEDAC Oversight Committee.**
- 3. More than one Secondary course may be used in order to articulate to a Postsecondary course.**

| Postsecondary Course Objectives | Secondary Objectives and Location(s) | TEDAC Comments |
|--|--|----------------|
| <p><u>Module A</u></p> <p>Competency Identify the terms, tools, materials, and equipment necessary for finishing interior and exterior projects.</p> <p>Objectives</p> <ul style="list-style-type: none"> • Identify the definitions for various terms used in finishing construction. • Identify the various tools and equipment needed for finishing construction and explain their uses. • Identify the various finishing materials and explain their uses. <p><u>Module B</u></p> <p>Competency Install exterior finish.</p> <p>Objectives</p> <ul style="list-style-type: none"> • Install common cornices. • Demonstrate the installation procedures for placing selected doors and frames. • Demonstrate the installation procedures for placing selected windows and frames. • Install various types of siding according to specifications. | <p><u>Carpentry II, Unit 17-18, Windows and Exterior Doors Content Standard</u></p> <p>17. Install a pre-hung window. 18. Install a pre-hung exterior door with a lockset.</p> <p><u>Learning Objective</u></p> <ol style="list-style-type: none"> 1. Identify various types of fixed, sliding, and swinging windows. 2. Demonstrate proper window installation. 3. Identify common types of skylights and roof windows. 4. Describe common types of exterior doors. 5. Describe various construction processes for exterior doors. 6. Identify various exterior units, components, and hardware. 7. Demonstrate proper roll-up garage door installation procedures. 8. Assemble and install locksets, hardware, and metal thresholds. <p><u>Carpentry for Residential Exteriors, Unit 1-8, Exterior Finishing Content Standard</u></p> | |

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| | <ol style="list-style-type: none"> 1. Explain the purpose of wall insulation and flashing. 2. Demonstrate the installation of selected common cornices. 3. Demonstrate estimating methods for lap and panel siding. 4. Demonstrate applications of wood siding, including groove, shiplap, board and batten, shake or shingle, plywood, hardwood, and particleboard. 5. Demonstrate the installation of fiber cement siding. 6. Install selected types of vinyl or metal siding. 7. Describe types and applications of stucco and masonry veneer finishes. 8. Demonstrate the installation of selected types of metal or vinyl gutters, downspouts, and accessories. <p><u>Learning Objective</u></p> <ol style="list-style-type: none"> 1. Install wall insulation and metal flashing. 2. Measure, layout, and construct common cornices systems. 3. Calculate material quantities of various exterior siding systems. 4. Install various types of exterior wood siding systems. 5. Install fiber cement siding. 6. Demonstrate proper installation of selected vinyl and metal siding. 7. Identify various types and applications of stucco and masonry veneer finishes. 8. Install roof drainage gutter with appropriate downspout systems. | |

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| | <p><u>OR</u></p> <p><u>Construction Finishing & Interior Systems, Unit 3-4, Windows and Doors</u> <u>Content Standard</u></p> <p>3. Demonstrate the installation of a window in a structure. Identifying various types of windows Examples: casement, storm, fixed, sliding, double-hung</p> <p>4. Demonstrate the installation of a door in a structure. Identifying various types of materials used for door construction Examples: wood, metal, fiberglass Identifying types of thresholds used with exterior doors Installing door hardware Examples: hinges, locksets, dead bolt locks</p> <p><u>Learning Object</u></p> <p>1. Demonstrate the proper installation of various types of windows in structures. 2. Identify various types of windows. 3. Install various door types in structures. 4. Identify and list types of materials used in door construction. 5. Identify various types of thresholds used with exterior doors. 6. Install hardware used on doors.</p> <p><u>Construction Finishing and Interior Systems Unit 10 Exterior and Interior Wall Coverings</u> <u>Content Standard</u></p> | |

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| | <p>10. Demonstrate the installation of exterior and interior wall coverings for structures.</p> <ul style="list-style-type: none"> • Differentiating among types of exterior wall coverings for structures <p>Examples: wood, vinyl, masonry, metal</p> <ul style="list-style-type: none"> • Differentiating among types of interior wall coverings for structures <p>Examples: wood, dry wall, paneling</p> <p><u>Learning Objectives</u></p> <ol style="list-style-type: none"> 1. Demonstrate the proper installation of wood covering to the exterior of a structure. 2. Demonstrate the proper installation of vinyl covering to the exterior of a structure. 3. Demonstrate the proper installation of masonry covering to the exterior of a structure. 4. Demonstrate the proper installation of metal covering to the exterior of a structure. 5. Demonstrate the proper installation of wood covering to the interior walls of a structure. 6. Demonstrate the proper installation of dry wall to the interior walls of a structure. 7. Demonstrate the proper installation of paneling to the interior walls of a structure. | |

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| <p><u>Module C</u></p> <p>Competency Install and finish interior components.</p> <p>Objectives</p> <ul style="list-style-type: none"> • Install and finish drywall. • Install paneling. • Install various ceiling finishes. • Install various trim. • Prepare and paint specified project. | <p><u>Carpentry for Residential Interiors, Unit 1-5, Wall Coverings</u> <u>Content Standard</u></p> <ol style="list-style-type: none"> 1. Compare various types of wall coverings used in interior residential carpentry. 2. Use appropriate fastening systems for residential interior applications. 3. Install single and multilayer wall coverings, using a variety of fastener types and installation methods. 4. Install wall covering over wood and metal studs, 5. Estimate materials needed for a specific wall covering installation project. <p><u>Learning Objective</u></p> <ol style="list-style-type: none"> 1. Install various interior walls covering material over existing wood wall framing. 2. Install various interior walls covering material over existing metal wall framing. 3. Attach various interior walls covering material using various types of fasteners. 4. Calculate material quantities of interior wall covering material. <p><u>Carpentry for Residential Interiors, Unit 6, Dry Wall Finishing</u> <u>Content Standard</u></p> | |

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| | <p>6. Explain various degrees of drywall finishing recognized in the construction industry.</p> <ul style="list-style-type: none"> • Describing materials used in drywall finishing, including compounds, joint reinforcing tapes, trim materials, textures, and coatings • Demonstrating the ability to finish a drywall with power and hand tools <p><u>Learning Objective</u></p> <ol style="list-style-type: none"> 1. Describe different products used in drywall finishing. 2. Explain in what sequence finishing materials should be used and why. 3. Describe the proper use of hand and power tools. <p><u>Carpentry for Residential Interiors, Unit 7-8, Interior Finish, Doors</u> <u>Content Standard</u></p> <ol style="list-style-type: none"> 7. Demonstrate door installation procedures in various interior partitions. 8. Demonstrate safe use of hand and power tools needed for installing interior doors. <p><u>Learning Objective</u></p> <ol style="list-style-type: none"> 1. Explain the procedures for installing interior door units. 2. Install interior doors using proper hand and power tools. <p><u>Carpentry for Residential Interiors, Unit 11-14, Interior Finishing – Window, Floor, and Ceiling Trim</u> <u>Content Standard</u></p> | |

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| | <p>11. Describe various types of interior ceilings. 12. Practice square and miter cuts used for molding installation. 13. Demonstrate the fabrication of molding using coping joint cuts. 14. Install interior door, window, base, and ceiling trim.</p> <p><u>Learning Objective</u></p> <p>1. Describe the different types of ceilings used in residential construction. 2. Install mitered and jointed molding. 3. Install coped joints. 4. Demonstrate the ability to install doors, window units, and molding.</p> <p><u>OR</u></p> <p><u>Construction Finishing & Interior Systems, Unit 10, Exterior and Interior Wall Coverings Content Standard</u></p> <p>10. Demonstrate the installation of exterior and interior wall coverings for structures.</p> <ul style="list-style-type: none"> • Differentiating among types of exterior wall coverings for structures Examples: wood, vinyl, masonry, metal • Differentiating among types of interior wall coverings for structures Examples: wood, dry wall, paneling | |

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| | <p><u>Learning Objective</u></p> <ol style="list-style-type: none"> 1. Demonstrate the proper installation of wood covering to the exterior of a structure. 2. Demonstrate the proper installation of vinyl covering to the exterior of a structure. 3. Demonstrate the proper installation of masonry covering to the exterior of a structure. 4. Demonstrate the proper installation of metal covering to the exterior of a structure. 5. Demonstrate the proper installation of wood covering to the interior walls of a structure. 6. Demonstrate the proper installation of dry wall to the interior walls of a structure. 7. Demonstrate the proper installation of paneling to the interior walls of a structure. <p><u>Construction Finishing & Interior Systems, Unit 13-14, Finishes</u></p> <p><u>Content Standard</u></p> <ol style="list-style-type: none"> 13. Identify various finishes for exterior surfaces. 14. Apply finishes to interior surfaces. Examples: paints, lacquers, varnishes, stains, preservatives <ul style="list-style-type: none"> • Preparing interior surfaces for finishing • Identifying types of application methods for finishes <p>Examples: pneumatic application, natural bristle brushes, synthetic bristle brushes</p> | |

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| | <p><u>Learning Objective</u></p> <ol style="list-style-type: none">1. Identify various finishes for exterior surfaces and explain their applications.2. Demonstrate proper application of various finishes to interior surfaces.3. Prepare interior surfaces for finishing.4. Identify and demonstrate various methods for applying finishes. | |