Florida Department of Education
Curriculum Framework

This program is a replacement for Cabinetmaking C410400 (0648070303).

Program Title: **Cabinetmaking 2**
Program Type: **Career Preparatory**
Career Cluster: **Architecture and Construction**

Career Certificate Program		
Program Number	C400800	
CIP Number	0648070308	
Grade Level	30, 31	
Program Length	600 hours	
Teacher Certification	Refer to the **Program Structure** section.	
CTSO	short titles	
SOC Codes (all applicable)	For program SOC codes, please see the Program and Course Tables section of the CTE Program Resources page linked below.	
CTE Program Resources	http://www.fldoe.org/academics/career-adult-edu/career-tech-edu/program-resources.stml	
Basic Skills Level	Computation (Mathematics): 9	Communications (Reading and Language Arts): 9

Purpose

This program provides students with advanced techniques, hands-on skills, and professional training required for a successful career in cabinetmaking. The curriculum is structured to guide students from fundamental safety practices to advanced design and fabrication techniques. Students will progress from learning the essentials of a cabinetmaker's helper to mastering the skills of an assembler and, finally, developing the design and business acumen of a professional cabinetmaker. Cabinetmaking 2 is preceded by Cabinetmaking 1, which provides foundational knowledge and techniques.

This program offers a sequence of courses that provides coherent and rigorous content aligned with challenging academic standards and relevant technical knowledge and skills needed to prepare for further education and careers in the Architecture and Construction career cluster; provides technical skill proficiency, and includes competency-based applied learning that contributes to the academic knowledge, higher-order reasoning and problem-solving skills, work attitudes, general employability skills, technical skills, and occupation-specific skills, and knowledge of all aspects of the Architecture and Construction career cluster.

Additional Information relevant to this Career and Technical Education (CTE) program is provided at the end of this document.

Program Structure

This program is a planned sequence of instruction consisting of four occupational completion points.

This program is comprised of courses which have been assigned course numbers in the SCNS (Statewide Course Numbering System) in accordance with Section (s.) 1007.24(1), Florida Statutes (F.S). Career and Technical credit shall be awarded to the student on a transcript in

accordance with s.1001.44(3)(b), F.S.

To teach the course(s) listed below, instructors must hold at least one of the teacher certifications indicated for that course.

The following table illustrates the postsecondary program structure:

			Teacher Certification	
A	BCV0201	Cabinetmaker Helper	CAB WOODWK @7 7G CARPENTRY @7 7G BLDG CONSTR @7 7G TEC CONSTR @7 7G	200 hours
B	BCV0241	Cabinet Assembler		200 hours
C	BCV0202	Cabinetmaker		200 hours

Florida's Career Readiness Skills for CTE Programs

Employability Skills

01.0	Apply academic skills to workplace scenarios.
	01.01 Use reading skills.
	01.02 Use writing skills.
	01.03 Use mathematical strategies and procedures.
	01.04 Use scientific principles and procedures.
02.0	Design a solution to an industry problem.
	02.01 Use critical thinking.
	02.02 Use creativity.
	02.03 Make sound decisions.
	02.04 Solve problems.
	02.05 Reason.
	02.06 Plan and organize.
03.0	Manage resources within an industry project
	03.01 Manage time.
	03.02 Manage money or resources.
	03.03 Manage materials.
	03.04 Manage personnel.
04.0	Oversee the subcomponents, operations and output of a technical or organizational system.
	04.01 Manage systems.
	04.02 Monitor systems.
	04.03 Improve systems.
05.0	Use information for decision making.
	05.01 Locate information.
	05.02 Organize information.
	05.03 Use information.
	05.04 Analyze information.
	05.05 Communicate information.
06.0	Apply relevant technology to workplace scenarios to aid productivity.
	06.01 Use technology.
07.0	Interpret and express interpersonal communication.
	07.01 Communicate verbally.
	07.02 Listen actively.
	07.03 Comprehend written material.
	07.04 Convey information in writing.
	07.05 Communicate nonverbally.
	07.06 Interpret nonverbal communication.

08.0	Interact with others to accomplish workplace goals.
08.01	Collaborate with others in a team.
08.02	Respond to customer needs.
08.03	Exercise leadership.
08.04	Negotiate to resolve conflict.
08.05	Respect others.
09.0	Manage personal behavior to maximize productivity and professional growth.
09.01	Demonstrate responsibility and self-discipline.
09.02	Adapt and show flexibility.
09.03	Work independently.
09.04	Demonstrate a willingness to learn.
09.05	Demonstrate integrity.
09.06	Demonstrate professionalism.
09.07	Take initiative.
09.08	Display positive attitude.
09.09	Take responsibility for professional growth.
Job Attainment	
10.0	Find, assess and apply to job opportunities.
10.01	Identify online job posts relevant to his or her career aspirations.
10.02	Compare and contrast the job posts' required qualifications, job duties, compensation, benefits and employers.
10.03	Define what information, documentation and writing prompts are required for the positions.
11.0	Communicate personal competence, character and fit for a job opportunity.
11.01	Develop a resume.
11.02	Write a cover letter.
11.03	Curate a professional portfolio that includes work products.
11.04	Prepare for and experience a mock job interview.
12.0	Cultivate and leverage relationships to professionally advance.
12.01	Request a signed reference letter, letter of recommendation and/or an online skill/professionalism endorsement.
12.02	Develop a plan to cultivate a professional digital footprint.
12.03	Develop a networking plan for a specific industry of interest.

Standards

After successfully completing this program, the student will be able to perform the following:

01.0 Apply shop safety skills.
02.0 Apply occupational safety skills.
03.0 Install cabinets components.
04.0 Construct cabinet doors.
05.0 Construct curved pieces.
06.0 Read and design construction documents.
07.0 Plan, design, and layout casework.
08.0 Explain the importance of employability and entrepreneurship skills.
09.0

Florida Department of Education
Student Performance Standards

Program Title: Cabinetmaking 2
Career Certificate Program Number: C400800

Course Number: BCV0201 **Occupational Completion Point: A** **Cabinetmaker Helper – 200 Hours**	
01.0	Apply shop safety skills. The student will be able to:
01.01	Transport, handle, and store materials safely.
01.02	Identify safety hazards.
01.03	Clean and care for tools and equipment.
02.0	Apply occupational safety skills. The student will be able to:
02.01	Describe “Right-To-Know” Law as recorded in (29 CFR-1910.1200).
02.02	Identify health-related problems that may result from exposure to hazardous materials.
02.03	Describe the proper precautions for handling hazardous materials.
02.04	Explain eligibility and the procedures for obtaining worker’s compensation.
02.05	Explain the importance of complying with the Americans with Disabilities Act (ADA) requirements.
02.06	Use hand tools in a safe and appropriate manner.
02.07	State the general rules for properly maintaining all power tools, regardless of type.
Course Number: BCV0241 **Occupational Completion Point: B** **Cabinet Assembler – 200 Hours**	
03.0	Install cabinets components. The student will be able to:
03.01	Install fasteners.
03.02	Install adjustable shelving.
03.03	Cut end, top, and bottom panels.
03.04	Cut shelf panels.
03.05	Cut skeleton frame stiles and rails.
03.06	Cut wood drawer guides.
03.07	Make various types of drawers including overlay, lipped, and flush.
03.08	Construct drawer guides.
04.0	Construct cabinet doors. The student will be able to:
04.01	Select and match wood stock for compatibility of grain and color.
04.02	Cut and glue rails, stiles, and panels.
04.03	Make solid and tambour doors.
04.04	Make a frame and panel door.
04.05	Band edges of solid doors.

	04.06 Construct wood-door tracks.
	04.07 Select appropriate hinges and door pulls.
05.0	Construct curved pieces. The student will be able to:
	05.01 Cut a curved piece from solid stock.
	05.02 Make a curved piece by saw kerfing.
	05.03 Construct a curved piece, using curved segments.
	05.04 Construct a curved piece by laminating thin strips.

Course Number: BCV0202 **Occupational Completion Point: C** **Cabinetmaker – 200 Hours**	
06.0	Read and design construction documents. The student will be able to:
	06.01 State the purpose of written specifications.
	06.02 Use an architect's scale.
	06.03 Identify the different types of lines used on construction drawings.
	06.04 Identify selected abbreviations commonly used on plans.
07.0	Plan, design, and layout casework. The student will be able to:
	07.01 Design and layout cabinets using a Computer-Assisted Design (CAD) program, if available.
	07.02 Draw a set of plans to scale.
	07.03 Convert measurements from English to the metric system and from the metric system to the English system.
	07.04 Estimate labor and materials cost using cabinetmaking design software, if available.
	07.05 Set up and operate a computer numeric control (CNC) machine, if available.
08.0	Explain the importance of employability and entrepreneurship skills. The student will be able to:
	08.01 Identify and demonstrate positive work behaviors needed to be employable.
	08.02 Develop personal career plan that includes goals, objectives, and strategies.
	08.03 Examine licensing, certification, and industry credentialing requirements.
	08.04 Maintain a career portfolio to document knowledge, skills, and experience.
	08.05 Evaluate and compare employment opportunities that match career goals.
	08.06 Identify and exhibit traits for retaining employment.
	08.07 Identify opportunities and research requirements for career advancement.
	08.08 Research the benefits of ongoing professional development.
	08.09 Examine and describe entrepreneurship opportunities as a career planning option.

Additional Information

Laboratory Activities

Laboratory investigations that include scientific inquiry, research, measurement, problem solving, emerging technologies, tools and equipment, as well as, experimental, quality, and safety procedures are an integral part of this career and technical program/course. Laboratory investigations benefit all students by developing an understanding of the complexity and ambiguity of empirical work, as well as the skills required to manage, operate, calibrate and troubleshoot equipment/tools used to make observations. Students understand measurement error; and have the skills to aggregate, interpret, and present the resulting data. Equipment and supplies should be provided to enhance hands-on experiences for students.

Career and Technical Student Organization (CTSO)

CTSOs are co-curricular career and technical student organizations providing leadership training and reinforcing specific career and technical skills. Career and Technical Student Organizations provide activities for students as an integral part of the instruction offered. Other CTSOs not listed in this curriculum framework or recognized by the Florida Department of Education are permissible provided they support student mastery over the standards and benchmarks of this curriculum framework.

Cooperative Training – OJT

On-the-job training is appropriate but not required for this program. Whenever offered, the rules, guidelines, and requirements specified in the OJT framework apply.

Basic Skills

In Career Certificate programs offered for 450 hours or more, in accordance with Rule 6A-10.040, F.A.C., the minimum basic skills grade levels required for postsecondary adult career and technical students to complete this program are: Computation (Mathematics) and Communications (Reading and Language Arts). These grade level numbers correspond to a grade equivalent score obtained on a state designated basic skills examination.

Adult students with disabilities, as defined in s.1004.02, F.S., may be exempted from meeting the Basic Skills requirements (Rule 6A-10.040, F.A.C.). Students served in exceptional student education (except gifted) as defined in s. 1003.01, F.S., may also be exempted from meeting the Basic Skills requirement. Each school district and Florida College System Institution must adopt a policy addressing procedures for exempting eligible students with disabilities from the Basic Skills requirement as permitted in s. 1004.91, F.S.

Accommodations

Federal and state legislation requires the provision of accommodations for students with disabilities to meet individual needs and ensure equal access. Postsecondary students with disabilities must self-identify, present documentation, request accommodations if needed, and develop a plan with their counselor and/or instructors. Accommodations received in postsecondary education may differ from those received in secondary education. Accommodations change the way the student is instructed. Students with disabilities may need accommodations in such areas as instructional methods and materials, assignments and assessments, time demands and schedules, learning environment, assistive technology and special communication systems. Documentation of the accommodations requested and provided should be maintained in a confidential file.

Note: postsecondary curriculum and regulated secondary programs cannot be modified.