

Jackson Community School

CTE Course Inventory and Essential Standards

CAREER AND TECHNICAL EDUCATION 2023-2024

Construction Core

Course Number: IC00

Recommended Maximum Enrollment: 20*

Hours of Instruction: 135 (block) 150 (regular)

Prerequisite: None

Aligned Industry Credential: NC NCCER - Construction Core

OSHA 10-Hour Construction Industry Certification

Description: This course covers the National Center for Construction Education and Research (NCCER) Core certification modules required for all of the NCCER curriculum-area programs, and an additional Green module. The course content includes basic safety, introduction to construction math, introduction to hand tools, introduction to power tools, introduction to construction drawing blueprints, material handling, basic communication skills, basic employability skills, and "Your Role in the Green Environment". The additional Green module has been added to provide students with instruction in the green environment, green construction practices, and green building rating systems. Also, it will help students better understand their personal impacts on the environment and make them more aware of how to reduce their carbon footprint. English Language Arts and Mathematics are reinforced.

* Due to potentially hazardous equipment, a maximum enrollment of 20 is recommended.

Carpentry I

Course Number: IC21

Recommended Maximum Enrollment: 20*

Hours of Instruction: 135 (block) 150 (regular)

Prerequisite: IC00 Construction Core

Aligned Industry Credential: NC NCCER - Carpentry I

Description: This course covers the National Center for Construction Education and Research (NCCER) Core certification modules required for all the NCCER curriculum-area programs, and an additional Green module. The course content includes basic safety, introduction to construction math, introduction to hand tools, introduction to power tools, introduction to construction drawings - blueprints, material handling, basic communication skills, and basic employability skills. "Your Role in the Green Environment" is an additional Green module and is "Supplemental. If the decision is made to teach this model, its content will provide students with instruction in the green environment, green construction practices, and green building rating systems, and will help students better understand their personal impacts on the environment and make them more aware of how to reduce their carbon footprint. English Language Arts and Mathematics are reinforced. This course helps prepare students for additional National Center for Construction Education and Research

(NCCER) Core certification. SkillsUSA competitive events, community service, and leadership activities provide the opportunity to apply essential standards and workplace readiness skills through authentic experiences. Geometry is recommended as preparation for this course.

* Due to potentially hazardous equipment, a maximum enrollment of 20 is recommended.

Carpentry II

Course Number: IC22

Recommended Maximum Enrollment: 20*

Hours of Instruction: 135 (block) 150 (regular)

Prerequisite: IC21 Carpentry I

Aligned Industry Credential: NC NCCER - Carpentry II

Description: This course builds on skills mastered in Carpentry I and provides an emphasis on roof framing procedures, roofing applications, thermal and moisture protection, windows and exterior doors installation, exterior finishing, and the introduction to weatherization module. English language arts and mathematics are reinforced.

* Due to potentially hazardous processes and equipment a maximum enrollment of 20 is recommended.

CTE Internship

Course Number: WB15 (BMA) WB35 (HOSP)

Recommended Maximum Enrollment: 0

Hours of Instruction: 1 credit

Prerequisite: None

Description: A CTE Internship allows for additional development of career and technical competencies within a general career field. Internships allow students to observe and participate in daily operations, develop direct contact with job personnel, ask questions about particular careers, and perform certain job tasks. This activity is exploratory and allows the student to get hands-on experience in a number of related activities. The teacher, student, and the business community jointly plan the organization, implementation, and evaluation of an internship, regardless of whether it is an unpaid or paid internship.