

Core Curriculum credential.

***Construction II: Carpentry**

Prerequisite: Construction I

Grade Level 11-12

2 Credits

Course# 993110

Construction II: Carpentry course consists of an in-depth study of basic safety, construction math, materials, wall and ceiling framing; room framing; windows and doors; and stairs, and construction essentials. Students who pass the end of year national certification exam will earn the NCCER Carpenter Level One credential.

***Culinary Arts I**

Grade Level 10-11

2 Credits

Course# 996000

Culinary Arts I presents the foundational skills necessary in the foodservice industry and covers the history and overview of the industry, safety and sanitation, standardized recipes, culinary math, equipment, and popular techniques used. Students will learn techniques for various food presentations such as stocks, sauces, soups, basic baked goods, fruits, vegetables, potatoes, and grains. Basic communication and customer service skills, management essentials, and a career readiness section is taught to prepare students for advancement in the industry. Students who adequately master the competencies in this course will be well prepared to earn the ServSafe Food Handler certification.

***Culinary Arts II**

Prerequisite: Culinary Arts I

Grade Level 11-12

2 Credits

Course#996001

Culinary Arts II students are exposed to basic nutrition and food preparation skills for dishes with eggs, dairy products, breakfast foods, sandwiches, salads, garnishes, meat, poultry, seafood, desserts, and more complex baked goods. Also presented in the course is the detailed overview and hands-on practice of culinary business skills, employability preparation, résumés, and more. Students who pass the end of year national certification exam will earn the ServSafe Manager certification.

***Drafting I**

Grade Level 10-11

2 Credits

Course #994300

Architectural Design and Drafting I is the entry level course of the secondary Architecture & Drafting program. Students will gain foundational competencies related to orientation, safety, leadership and personal development, and drafting and CAD (Computer-aided design) skills. Other topics presented during the course include multi-view drawing, isometric drawing, and sectional views.

***Drafting II**

Prerequisite: Drafting I

Grade Level 11-12

2 Credits

Course# 994301

Architectural Design and Drafting II is the exit level course of the secondary Architecture & Drafting program. Students will continue to gain higher-level foundational competencies related to orientation, safety, advanced leadership and personal development, architectural drafting and CAD skills. These skills will include floor plans, elevations, foundations, and sections. Students are also exposed to local industry professionals in the Drafting, Architecture, and Shipbuilding industries.

***Early Childhood I**

Grade Level 10-11

2 Credits

Course# 996200

Early Childhood I begins with an introduction to personal and professional preparation for continued education, training, and careers in early childhood. Major topics of study in this course are history and trends of early childhood education, stages of child development, ranging from birth through age five, and children's health and safety. Students are introduced to MSDH (MS Department of Health) Guidelines

***Healthcare & Clinical Services**

Prerequisite: Health Science Core

Grade Level 11-12

2 Credits

Course# 995101

Healthcare & Clinical Services exposes students the theory and applied tasks related to careers within health care. This course covers topics such as human growth and development, health informatics, information technology, and therapeutic and rehabilitative services. Other topics include medical and emergency services, mental health, and pharmacological and nursing services. *Note: May count as two elective credits or the completion of Healthcare I & II can count as one (1) science credit for graduation.*

***Hospitality Management I**

Grade Level 10-11

2 Credits

Course# 992100

Hospitality Management I introduces students to the hospitality and tourism industry and identifies some of the current and future trends affecting the hospitality and tourism industry and the impact this industry has on society and the global economy. Students will explore hospitality and tourism career opportunities and understand the skills and knowledge required to succeed in this field and the importance of offering outstanding customer services. Students will learn how food and beverage services function within the industry and the proper techniques used to set up banquets, catering functions, and other special events. Students will gain an understanding of how resorts, cruise lines, recreational vehicles, and tent camping are part of the hospitality industry. The course also covers the main operational areas found in most lodging properties and the importance of adhering to safety policies and procedures to maintain a safe and secure environment for employees and guests. Students learn the role of sales and marketing in the hospitality and tourism industry.

***Hospitality Management II**

Prerequisite: Hospitality Management I

Grade Level: 11-12

2 Credits

Course# 992101

Hospitality Management II provides an overview of the new technologies used to enhance productivity and competitiveness in the hospitality and tourism industry. Students will learn management's role in sales and marketing and the employability skills needed to be successful in the workforce.

***Welding I**

Grade Level 10-11

2 Credits

Course# 993300

Welding I focuses on the NCCER Learning Series Core curriculum and SMAW (Shielded Metal Arc Welding). Students will leave the class with a firm foundation of knowledge in the areas of employability skills, safety, and basic tool knowledge. Additionally, students will learn Oxyfuel Cutting fundamentals. Students will cover proper equipment setup, safety measures, and correct welding techniques. Students who pass the end of year national certification exam will earn the NCCER Core Curriculum credential.

***Welding II**

Prerequisite: Welding I

Grade Level 11-12

2 Credits

Course# 993301

Welding II focuses on specialized PAC, CAC, and advanced techniques used in SMAW. Additionally, this course will offer students the opportunity to examine GMAW (Gas Metal Arc Welding) and FCAW (Flux-cored Arc Welding). Additionally, students will learn about GTAW (Gas Tungsten Arc Welding). Students will learn safety measures, setup procedures, and welding techniques for each type of welding. Students who pass the end of year national certification exam will earn the NCCER Welding Level One credential and AWS-SENSE compliance certificate.

***Work Based Learning (Shipbuilding Academy)**

Prerequisite: CTE program completer or in 2nd year of CTE program.

Grade Level: 12

2 Credits

Course#995010

Work Based Learning gives Mississippi high school students the opportunity to earn academic credit for their authentic work experiences at Huntington-Ingalls Shipbuilding Academy. To receive credit, students

must be enrolled in the WBL course and meet all course requirements, including attending work experience each day at Huntington-Ingalls. *Note: this course can suffice for the required College & Career Readiness credit.*