

Construction Engineering Technology MISSISSIPPI CURRICULUM FRAMEWORK (Construction Option)

Program CIP: 15.1001 – Construction Engineering
Technology/Technician (Project Manager)

Initial Board March 2023

Final Board May 2023



Faculty Writing Team Members

- EMCC is looking for an instructor for this new program, East Mississippi Community College

Administrator Writing Team Members

- Dr. Michael Busby, Dean, East Mississippi Community College
- Patricia Corrigan, Dean, East Mississippi Community College

Business and Industry Contributing Team Members

- Raygan Gibson, Burns Dirt Construction, Columbus, MS
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- Nic Parish, Burns Dirt Construction, Columbus, MS
- Luke McCrary, McCrary West Construction, Columbus, MS
- Christee Holbrook, Graham Roofing, West Point, MS
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- Macaulay Whitaker, Burns Dirt Construction, Columbus, MS

Office of Curriculum, Instruction and Assessment Team Members

- Scott Kelle, Ph.D. Director of Curriculum and Instruction, Mississippi Community College Board
- LaToya Sterling, Ph.D. Curriculum Specialist, Office of Curriculum and Instruction, Mississippi Community College Board
- Sheriece Robinson, Ed.D. Curriculum Specialist, Office of Curriculum and Instruction, Mississippi Community College Board

SUGGESTED COURSE SEQUENCE

Please reference main Construction Engineering Technology document for CON course information and details.

<https://www.mccb.edu/curriculum/construction-engineering-technology>

Construction Option Work Ready Certificate

Course Number	Course Name	Semester Credit Hours
CON 1213	Construction Materials	3
CON 1233	Construction Systems I	3
	Electives	9
	TOTAL	15

Construction Option CAREER CERTIFICATE

Course Number	Course Name	Semester Credit Hours
CON 1213	Construction Materials	3
CON 1233	Construction Systems I	3
CON 2313	Construction Layout	3
CON 2513	Leadership and Organization	3
CON 2113	Construction Job Site Management	3
CON 2123	Construction Cost Estimation	3
	Electives	12
	TOTAL	30

Construction Option TECHNICAL CERTIFICATE

Course Number	Course Name	Semester Credit Hours
CON 2924	Supervised Work Experience in Construction Engineering Technology	4
CON 2523	Project Management	3
	Electives	8
	TOTAL	15

ELECTIVES

CEV 1212	Safety I	2
CEV 1416	Equipment Operation I	6
CEV 1514	Grade Work I	3
CRM 1213	Carpentry	3
CRM 1133	Mathematics and Blueprint Interpretation	3
CRM 2913	Special Project in CRM	3

These electives are recommend but can be changed to meet local industry need.

GENERAL EDUCATION CORE COURSES

To receive the Associate of Applied Science Degree, a student must complete all of the required coursework found in the Career Certificate option, Technical Certificate option and a minimum of 15 semester hours of General Education Core. The courses in the General Education Core may be spaced out over the entire length of the program so that students complete some academic and Career Technical courses each semester or provided primarily within the last semester. Each community college will specify the actual courses that are required to meet the General Education Core Requirements for the Associate of Applied Science Degree at their college. The Southern Association of Colleges and Schools (SACS) Commission on Colleges Standard 2.7.3 from the Principles of Accreditation: Foundations for Quality Enhancement¹ describes the general education core.

Section 2.7.3 In each undergraduate degree program, the institution requires the successful completion of a general education component at the collegiate level that (1) is substantial component of each undergraduate degree, (2) ensures breadth of knowledge, and (3) is based on a coherent rationale. For degree completion in associate programs, the component constitutes a minimum of 15 semester hours or the equivalent. These credit hours are to be drawn from and include at least one course from the following areas: humanities/fine arts, social/behavioral sciences, and natural science/mathematics. The courses do not narrowly focus on those skills, techniques, and procedures specific to a particular occupation or profession.

General Education Courses

Course Number	Course Name	Semester Credit Hours
Humanities/Fine Arts		3
Social/Behavioral Science		3
Math/Science Elective		3
Other academic courses per local community college requirements for AAS degree.		6
Total		15

¹ Southern Association of Colleges and Schools Commission on Colleges. (2012). *The principles of accreditation: Foundations for quality enhancement*. Retrieved from <http://www.sacscoc.org/pdf/2012PrinciplesOfAccreditation.pdf>