

Admission requirements include:

1. Complete prerequisite courses: Anatomy & Physiology I & Lab, Anatomy & Physiology II & Lab, College Algebra.
2. Completed Cardiovascular Technology Program application.
3. Minimum ACT composite of 18.

Prerequisites

BIO 2513, Anatomy & Physiology I	BIO 2511, Anatomy & Physiology I Lab
BIO 2523, Anatomy & Physiology II	BIO 2521, Anatomy & Physiology II Lab
MAT 1313, College Algebra	

FRESHMAN YEAR

First Semester	Semester Hours	Second Semester	Semester Hours
*Social/Behavioral Science Elective	3	CHE 1313, Prin. of Chemistry.....	3
ENG 1113, Eng. Comp. I	3	CHE 1311, Prin. of Chem. Lab.....	1
BOA 2613, Business Communications...3		CVT 1415, Cardiovascular Anatomy	
CVT 1113, Foundations of		and Physiology & Pharmacology.....	5
Cardiovascular Technology	3	SPT 1113, Public Speaking	3
BIO 2923, Microbiology	3	CVT 2413, Invasive Cardiology I	3
BIO 2921, Microbiology Lab.....	1	CVT 2423, Invasive Cardiology II	3
Total	16	Total	18

SOPHOMORE YEAR

Third Semester	Semester Hours	Fourth Semester	Semester Hours
CVT 2716, Cardiovascular Clinical I....	6	CVT 2513, Critical Care Applications..	3
CVT 2726, Cardiovascular Clinical II...6		CVT 2736, Cardio. Clinical III.....	6
Humanities/Fine Arts Elective	3	CVT 2746, Cardio. Clinical IV	6
Total	15	Total	15

*Social/Behavioral Science Elective must be PSY 1513, General Psychology

Civil Engineering Technology

Adviser: T. Watson • Offered at Senatobia campus only

Career Certificate • Technical Certificate • Associate of Applied Science

This program prepares a person for entry-level positions in civil engineering, surveying and similar technical fields. The curriculum includes boundary and construction surveying, principles of road construction, construction materials testing, small unmanned aerial systems (drones) mapping, geographical positioning systems (GPS), geographic information systems (GIS), computer automated drafting (CAD), project management and construction practices.

The graduate is prepared to work with surveyors, civil engineers or other like professionals in the performance of general engineering practices which may include design, drawing, detailing and interpreting working drawings; gathering and interpreting field survey data, inspecting construction, determining equipment, materials and labor required to complete a project, performing various lab tests required in construction and using drones to gather data for engineering, surveying, mapping and construction inspections.

Up-to-date equipment and software used in the program include drafting (AutoCAD 18), engineer (Carlson), GIS (ArcView), and Drones (DJI GO 4 and DJI GS PRO). Also used are automatic levels, total stations, and RTK satellite survey equipment with multiple data collector software programs.

Special admissions requirements: Students who wish to enroll in the Civil Engineering Technology program must have an ACT subscore of 17 in Math or be eligible to enroll in Intermediate Algebra.

A minimum of 60 semester credit hours is required to receive an Associate of Applied Science in Civil Engineering Technology. Students who complete a minimum of 30 semester credit hours of required courses in the program may be eligible to receive a career certificate in Civil Engineering Technology. Students who complete a minimum of 45 semester credit hours of required courses in the program may be eligible to receive a technical certificate in Civil Engineering Technology. Students who successfully complete the program will receive a certification and credentials thru the National Center for Construction, Education and Research (NCCER). Students who complete CIT 1133 Intro to Craft Skills, will receive a 10-hour OSHA construction certification.

FRESHMAN YEAR

First Semester	Semester Hours	Second Semester	Semester Hours
DDT 1163, Eng. Graphics.....	3	CIT 2453, Fund. of GIS.....	3
CIT 1213, Civil Con. Meths & Mat ...	3	DDT 1313, Computer Aided Design...3	
CIT 1413, Elementary Surveying	3	CIT 1223, Con. Plans & Specs.....	3
CIT 2913, Special Projects	3	CIT 1113, Route Surveying	3
CIT 1133, Intro. to Craft Skills	3	CIT 2413, Concrete & Asphalt Test...3	
Total	<u>15</u>	Total	<u>15</u>

CAREER CERTIFICATE EXIT POINT

SOPHOMORE YEAR

Third Semester	Semester Hours	Fourth Semester	Semester Hours
**CIT 2113, Legal Prin. of Survey	3	**CIT 2423, Mapping/Topography.....	3
**CIT 2433, Land Surveying.....	3	**CIT 2443, GPS Surveying	3
Math/Science Elective	3	**CIT 2124, Advanced Surveying	3
Social/Behavioral Science Elective.....	3	Humanities/Fine Arts Elective.....	3
SPT 1113, Public Speaking I	3	ENG 1113, English Composition I.....	3
Total	<u>15</u>	Total	<u>15</u>

** Courses required in addition to Career Certificate courses for Technical Certificate.

Early Childhood Education Technology

Advisers: Barham, Ross • Offered at Senatobia campus only

Career Certificate • Technical Certificate • Associate of Applied Science

The Early Childhood Education Technology program provides preparation for a professional career in early childhood education spanning a variety of career options. This discipline includes classroom instruction, supervised laboratory experiences, and work-based learning experiences. Students will develop competencies that enable them to provide services, teach, and guide young children in various early childhood professions.

The Early Childhood Education Technology curriculum is a two-year discipline that requires a minimum of 60 semester hours of course work. Successful completion of the Early Childhood Education Technology curriculum results in the student receiving a Career Certificate, Technical Certificate and/or an Associate of Applied Science degree. This curriculum meets the National Association for the Education of Young Children Standards for Early Childhood Professional Preparation and the Mississippi Department of Education Standards and Guidelines for Pre-Kindergarten.

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