

CHAPTER 5

UNIVERSITY TRANSFER PROGRAMS

Students must follow either the program of study in the catalog of the institution of higher learning to which they plan to transfer or the guidelines of the Articulation Agreement, <http://www.matttransfertool.com> to ensure transfer of credits. Students who earn the associate of arts degree or associate of science degree may transfer *35 core hours to any Mississippi institution of higher learning. A student who is working toward a bachelor's degree but has not yet decided on a degree program is advised to follow the academic core requirements during the freshman year. All students should choose a major field of study before beginning the sophomore year. Failure to do so may result in the student's taking courses that do not apply toward the chosen bachelor's degree program.

*With a 'C' or better.

**BASIC COLLEGE CORE CURRICULUM
(General Education Competencies)**

This core curriculum is designed for students who later plan to transfer with junior standing to one of the four-year colleges in Mississippi. Students should understand that different colleges and universities have their own requirements, and students should consult the Articulation Agreement at <http://www.matttransfertool.com>.

The following East Central Community College core curriculum contains the core curriculum which is required by all universities under the State Board of Trustees, Institutions of Higher Learning, which was implemented during the fall of 1984 and the core curriculum is incorporated in all transfer programs of study as outlined in this chapter.

English Composition.....	6 semester hours
Laboratory Science	8 semester hours
Humanities	6 semester hours
Fine Arts.....	3 semester hours
Social/Behavioral Science	6 semester hours
College Algebra or Higher Mathematics	3 semester hours
Oral Communication	3 semester hours
Total	35 semester hours

This 35 semester hour core curriculum is required for graduation from East Central Community College in both transfer degrees — the Associate of Arts and the Associate of Science.

PROGRAMS

Communications

Fine Arts

Math/Computer Science

Science

Social Science/Bus. Ed./Education

ECCC Contacts

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MATHEMATICS:

MAT 1313, MAT 1323, MAT 1333, MAT 1343, MAT 1513, MAT 1613, MAT 1623, MAT 1723, MAT 1733, MAT 1743, MAT 2113, MAT 2323, MAT 2613, MAT 2623, MAT 2913

EAST CENTRAL COMMUNITY COLLEGE

SCIENCES:

BIO 1113-BIO 1111, BIO 1133-BIO 1131, BIO 1143-BIO 1141, BIO 1313-BIO 1311, BIO 1323-BIO 1321, BIO 2313-2311, BIO 2413-BIO 2411, BIO 2423-BIO 2421, BIO 2513-BIO 2511: Prerequisite: BIO 1133-BIO 1131 or BIO 1143-BIO 1141 (ACT 21 or higher)

BIO 2523-BIO 2521: Prerequisite: CHE 1213-CHE 1211 or BIO 2513-BIO 2511, BIO 2923-BIO 2911,

CHE 1213-CHE 1211, CHE 1223-CHE 1221: Prerequisite: CHE 1213-CHE 1211

CHE 2423-CHE 2421: Prerequisite: CHE 1223-CHE 1221

CHE 2433-CHE 2431: Prerequisite: CHE 2423-CHE 2421

PHY 2243-PHY 2241, PHY 2253-PHY 2251

PHY 2413-PHY 2411: Co requisite: MAT 1323

PHY 2423-PHY 2421: Prerequisite: PHY 2413-PHY 2411

PHY 2513-PHY 2511: Prerequisite: MAT 1623; Co requisite: MAT 2613

PHY 2523-PHY 2521: Prerequisite: PHY 2413-PHY 2411

AGR 2313-2311, GLY 2313-2311

SOCIAL/BEHAVIORAL SCIENCES

EPY 2513, EPY 2523, EPY 2533, ECO 2113, ECO 2123, GEO 1113, GEO 1123, PSY 1513, PSY 2553, PSC 1113, PSC 1123, SOC 2113, SOC 2133, SOC 2143, SOC 2243

FINE ARTS:

ART 1113, MUS 1113, MUS 1123, SPT 2233

HUMANITIES:

ENG 1113

ENG 1123: Prerequisite: ENG 1113

ENG 2133: Prerequisite: ENG 1113

ENG 2153

ENG 2223: Prerequisite: ENG 1113, ENG 1123

ENG 2233: Prerequisite: ENG 1113, ENG 1123

ENG 2323: Prerequisite: ENG 1113, ENG 1123

ENG 2333: Prerequisite: ENG 1113, ENG 1123

ENG 2353: Prerequisite: ENG 1113, ENG 1123, ACT 27 in English; 25 overall ACT

ENG 2363: Prerequisite: ENG 1113, ENG 1123, ACT 27 in English, 25 overall ACT

ENG 2423: Prerequisite: ENG 1113, ENG 1123

ENG 2433: Prerequisite: ENG 1113, ENG 1123

ENG 2613: Prerequisite: ENG 1113

MFL 1113

MFL 1123

MFL 2113

MFL 2123

MFL 1213

MFL 1223: Prerequisite: MFL 1213 or one unit High School Spanish

MFL 2213: Prerequisite: MFL 1223 or two units High School Spanish

MFL 2513

MFL 2223: Prerequisite: MFL 2213

MFL 2243: Prerequisite: MFL 2223

HIS 1113, HIS 1123, HIS 1163, HIS 1173, HIS 2213, HIS 2223, HIS 2243, HIS 2253

PHI 1113, PHI 1133, PHI 1153, PHI 2113, PHI 2143, PHI 2613

EAST CENTRAL COMMUNITY COLLEGE

The following charts detail some of the most common University Transfer options pursued by students at ECCC as concentration areas. These course frameworks are only SAMPLES. Students MUST consult the current catalog of the institution to which they intend to transfer for specific requirements. Students can also access the Mississippi Articulation Transfer Tool (MATT) at <http://www.matttransfertools.com> for the most up to date transfer guide.

Art

Required Courses/Electives	Course Symbol/Number	Credit Hours
English Composition I & II	ENG 1113, 1123	6
Public Speaking	SPT 1113 (@ select Colleges)	3
Literature	ENG – (ENG 2423 preferred @ USM)	6
History	HIS (any history)	6
Social/Behavioral Science	Select social/behavioral science course	6
Laboratory Sciences	BIO, CHE, PHY	8
College Algebra	MAT 1313 or higher	3
Art History I & II	ART 2713, 2723	6
Drawing I & II	ART 1313, 1323	6
Design I & II	ART 1433, 1443	6
Three-Dimensional Design	ART 1453	3

Athletic Training

Required Courses/Electives	Course Symbol/Number	Credit Hours
English Composition I & II	ENG 1113, 1123	6
Public Speaking	SPT 1113	3
Literature	ENG – (any literature)	6
History	HIS 1163, 1173	6
Social Science	GEO 1113, PSC 1113 or SOC 2113	3
Fine Arts	ART 1113, MUS 1113 or SPT 2233	3
Anatomy & Physiology I & II	BIO 2514, 2524	8
College Algebra	MAT 1313	3
Nutrition	BIO 1613	3
Computer Applications	CSC 1123	3

EAST CENTRAL COMMUNITY COLLEGE

Business/Accounting

Required Courses/Electives	Course Symbol/Number	Credit Hours
English Composition I & II	ENG 1113, 1123	6
Public Speaking	SPT 1113	3
Literature	ENG (any literature)	3
History	HIS (any history)	6
General Psychology	PSY 1513	3
Political Science	PSC 1113	3
Fine Arts	ART 1113, MUS 1113 or SPT 2233	3
Laboratory Science	BIO, CHE, PHY	8
College Algebra	MAT 1313	3
Business Calculus I	MAT 1513	3
Business Statistics	BAD 2323	3
Principles of Accounting I & II	ACC 1213, 1223 (ACC 1223 not required @ USM)	6
Principles of Macroeconomics & Principles of Microeconomics	ECO 2113, 2123	6
Legal Environment of Business	BAD 2413	3

Computer Science

Required Courses/Electives	Course Symbol/Number	Credit Hours
English Composition I & II	ENG 1113, 1123	6
Public Speaking	SPT 1113	3
Literature	ENG (any literature)	3
History	HIS (any history)	3
Fine Arts	ART 1113, MUS 1113 or SPT 2233	3
Social Science	ECO, GEO, PSC, SOC	6
General Biology I	BIO 1134	4
General Physics I-A & II-A	PHY 2514, 2524	8
General Chemistry I	CHE 1214	4
Calculus I, II, III	MAT 1613, 1623, 2613	9
Computer Science - Object Oriented Programming	CSC	6

EAST CENTRAL COMMUNITY COLLEGE

Physical Therapy

Required Courses/Electives	Course Symbol/Number	Credit Hours
English Composition I & II	ENG 1113, 1123	6
Public Speaking	SPT 1113	3
Humanities	HIS, PHI, MFL, ENG	6
General Psychology	PSY 1513	3
Social Science	ECO 2113, PSC 1113, HIS 1163	3
Fine Arts	ART 1113, MUS 1113 or SPT 2233	3
General Biology I & II	BIO 1134, 1144	8
Anatomy & Physiology I & II	BIO 2514, 2524	8
General Chemistry I & II	CHE 1214, 1224	8
General Physics I & II	PHY 2414, 2424	8
College Algebra	MAT 1313	3
Trigonometry	MAT 1323	3
Elective		3

Pre-Medical/Pre-Dental

Required Courses/Electives	Course Symbol/Number	Credit Hours
English Composition I & II	ENG 1113, 1123	6
Public Speaking	SPT 1113	3
Literature	ENG (any literature)	3
Fine Arts	ART 1113, MUS 1113 or SPT 2233	3
Zoology I & II	BIO 2414, 2424	8
General Biology I & II	BIO 1134, 1144	8
General Chemistry I & II	CHE 1214, 1224	8
Organic Chemistry I & II	CHE 2424., 2434	8
General Physics I & II	PHY 2414, 2424	8
General Psychology (required for dental school)	PSY 1513	3
College Algebra	MAT 1313	3
Trigonometry	MAT 1323	3
Statistics	MAT 2323 (required @ UMMC)	3
Electives	(Some universities require MAT 1613 Calculus I)	5

EAST CENTRAL COMMUNITY COLLEGE

Pre-Veterinary

Required Courses/Electives	Course Symbol/Number	Credit Hours
English Composition I & II	ENG 1113, 1123	6
Public Speaking	SPT 1113	3
Humanities	ENG, HIS, MFL, PHI	6
Social/Behaviorial Science	ECO, GEO, PSC, PSY, SOC	6
Fine Arts	ART 1113, MUS 1113 or SPT 2233	3
College Algebra	MAT 1313	3
Statistics/Trigonometry	MAT 2323/MAT 1323	3
General Biology I & II	BIO 1134, 1144	8
General Chemistry I & II	CHE 1214, 1224	8
Microbiology	BIO 2924	4

Elementary Education

Required Courses/Electives	Course Symbol/Number	Credit Hours
English Composition I & II	ENG 1113, 1123	6
Literature	ENG (any sequence)	6
History	HIS (HIS 1163 @ USM)	6
Fine Arts	ART 1113, MUS 1113 or SPT 2233	3
General Psychology	PSY 1513 (@ USM)	3
Introduction to Sociology	SOC 2113 (not required @ MSU)	3
Geography	GEO 1113, 1123	3
Biological Science w/lab	BIO	4
Physical Science w/lab	PHY	4
College Algebra	MAT 1313	3
Real Number System	MAY 1723	3
Geometry, Measurement and Probability	MAT 1733	3
Problem Solving	MAT 1743 (@MSU)	3
Personal & Community Health	HPR 1213 (@ USM)	3
Electives	See university catalog for specific electives related to area of concentration	

EAST CENTRAL COMMUNITY COLLEGE

Pre-Engineering

Required Courses/Electives	Course Symbol/Number	Credit Hours
English Composition I & II	ENG 1113, 1123	6
Humanities	Any sequence	6
Social Science	ECO, GEO, PSC, SOC	6
Fine Arts	ART 1113, MUS 1113 or SPT 2233	3
Calculus I, II, III, IV	MAT 1613, 1623, 2613, 2623	12
Differential Equations	MAT 2913	3
General Chemistry I & II	CHE 1214, 1224	8
General Physics I-A & II-A	PHY 2514, 2524	8

Health, Physical Education, and Recreation

Required Courses/Electives	Course Symbol/Number	Credit Hours
English Composition I & II	ENG 1113, 1123	6
Public Speaking	SPT 1113 (@ JSU)	3
Literature	ENG (any literature)	6
History	HIS (any history)	6
General Psychology	PSY 1513	3
Introduction to Sociology	SOC 2113	3
Fine Arts	ART 1113, MUS 1113 or SPT 2233	3
Laboratory Science	BIO, CHE, PHY	4
Anatomy & Physiology I	BIO 2514	4
College Algebra	MAT 1313	3
Personal & Community Health	HPR 1213	3
First Aid & CPR	HPR 2213	3

EAST CENTRAL COMMUNITY COLLEGE

Music

Required Courses/Electives	Course Symbol/Number	Credit Hours
English Composition I & II	ENG 1113, 1123	6
Public Speaking	SPT 1113 (@ JSU)	3
Literature	ENG	3
History	HIS	6
General Psychology	PSY 1513	3
Laboratory Sciences	BIO, CHE, PHY	8
College Algebra	MAT 1313 or higher	3
Music Theory I-IV	MUS 1214, 1224, 2214, 2224	8
Music Survey	MUS 1123	3
Piano		4
Applied Major		8
Ensemble		4

Pre-Pharmacy University of Mississippi

Required Courses/Electives	Course Symbol/Number	Credit Hours
English Composition I & II	ENG 1113, 1123	6
Public Speaking	SPT 1113	3
Humanities	ENG, HIS, PHI, MFL	6
Social Science	Any social science courses	6
Fine Arts	ART 1113, MUS 1113 or SPT 2233	3
Calculus I	MAT 1613	3
General Biology I & II	BIO 1134, 1144	8
General Chemistry I & II	CHE 1214, 1224	8
Organic Chemistry I & II	CHE 2424., 2434	8
General Physics I & II	PHY 2414, 2424	8
Principles of Economics	ECO 2123	3
Statistics	MAT 2323	3

EAST CENTRAL COMMUNITY COLLEGE

HEALTHCARE EDUCATION PROGRAMS

(Associate Degree Nursing (ADN), Practical Nursing (PN),
Emergency Medical Technology-Basic (EMT), and Surgical Technology (ST))

East Central Community College offers programs and courses of study that prepare graduates for work in diverse healthcare settings. Students who successfully complete the program or course of study are prepared to take national or state licensure and/or certification exams in the area of study. Upon successful completion of the examination, graduates can seek employment in the healthcare specialty field.

Students applying for admission to Healthcare Education programs must meet general college admission requirements, as well as, admission requirements specific to the individual program or course of study. Admission to the Healthcare Education programs is competitive and space is limited. Refer to admission requirements in Chapter 3 of the East Central Community College Catalog.

The Associate of Applied Science Degree is awarded to students who successfully complete a two-year program of study specified in the catalog. The 15-semester Core Curriculum (or demonstrated competence) is embedded in each program that offers an Associate of Applied Science Degree. Students who successfully complete the Emergency Medical Technology-Basic course or 12-month options will receive certificates.

Core curriculum for Associate of Applied Science Degree programs include:

English Composition I3 hours

Mathematics/Science3 hours

Approved Courses: MAT 1313, MAT 1323, BIO 1133-1131 / 1143-1141, BIO 2413-2411, BIO 2513-2511 / 2523-2521, BIO 2923-2921, CHE 1213-1211 / 1223-1221

Humanities/Fine Arts3 hours

Approved Courses: ART 1113, MUS 113, SPT 2233, ENG 2133, ENG 2223/2323, ENG 2423/2433, MFL 1113/1123, MFL 2113/2123, MFL 2213/1233, MFL 2223/2243, HIS 1163/1173, HIS 2213/2223, HIS 2243/2253, PHI 1113, PHI 1153, and PHI 2113.

Social/Behavioral Sciences.....3 hours

Approved Courses: PSY 1513, EPY 2513, EPY 2533, SOC 2113, SOC 2143

Oral Communication3 hours

Work in the healthcare environment enhances theory taught in the classroom and students completing the healthcare programs may obtain immediate employment in their area of specialty in the healthcare field. Therefore, students enrolled in healthcare programs are encouraged to participate in WBL 191 (1-3) Work-Based Learning as an elective course.

HEALTHCARE EDUCATION CLINICALS

Students perform established curriculum activities in clinical practice environments to promote knowledge, skills, and professional attitudes. Students are prohibited from: (a) receiving monetary or any form of gift compensation, or (b) substituting as hired staff personnel during an educational experience in a clinical agency setting. A student employed with a clinical agency cannot function as an employee of the agency during scheduled College clinical time.

Students are under the supervision of East Central Community College instructors during College clinical hours. After College instructors dismiss students from clinical hours, a student employed with the clinical agency transfers to the employee role and is no longer classified as a College healthcare student.

EAST CENTRAL COMMUNITY COLLEGE

ASSOCIATE DEGREE NURSING (ADN)

Advisors: Mrs. Sharon Davis, Mrs. Donna Everett, Mrs. Lisa Gorgas,
Mrs. Donna Hemphill, Mrs. Brandi Keith, Mrs. Lori Luke,
Dr. Melanie Pinter, Mrs. Marcia Russell, and Mrs. Martie Vaughn

Upon successful completion of the Associate Degree Nursing (ADN) program, graduates should meet State Board of Nursing application requirements to take the National Council Licensure Examination for Registered Nurses (NCLEX-RN®). Program completion does not guarantee a graduate will be allowed to take the examination by the State Board of Nursing. The State Board of Nursing may refuse any individual the right to take the NCLEX-RN® based on criminal history records.

PRE-REQUISITES:

BIO 2511 & BIO 2513 or BIO 2514: Anatomy & Physiology I with Lab or upper level equivalent	4 hours
BIO 2521 & BIO 2523 or BIO 2524: Anatomy & Physiology II with Lab or upper level equivalent	4 hours
BIO 2921 & BIO 2923 or BIO 2924: Microbiology with Lab or upper level equivalent	4 hours
Total hours	12

FIRST YEAR

Fall Semester			Spring Semester		
NUR 1110	Fundamentals of Nursing Practice	10	NUR 1219	Adult/Child Health Nursing I	9
NUR 2120	Nursing Seminar	0	NUR 2120	Nursing Seminar	0
ENG 1113	English Composition I	3	ENG 1123	English Composition II	3
EPY 2533	Human Growth & Development	<u>3</u>	*Fine Arts or Humanities Elective		<u>3</u>
Total Hours		16	Total Hours		15

SECOND YEAR

Fall Semester			Spring Semester		
NUR 2319	Adult/Child Health Nursing II	9	NUR 2410	Advanced Concepts of Nursing	10
NUR 2120	Nursing Seminar	0	NUR 2121	Nursing Seminar	1
PSY 1513	General Psychology	3	NUR 2941	NCLEX® Review	<u>1</u>
*SPT 1113	Public Speaking I	<u>3</u>	Total Hours		12
Total Hours		15			

* Courses may be taken in any sequence.

Notes: Enrollment in NUR courses is limited to students who have been admitted to the ADN program and these courses must be taken in the sequence specified. All nursing courses must be completed within four years to graduate from the ADN program.

Progression/Graduation Requirements: Semester average of 80 or above in NUR courses, grade of "C" or above in all required courses, mastery of selected nursing skills, and completion of required assessment examinations.

EAST CENTRAL COMMUNITY COLLEGE

LPN TRANSITION PROGRAM FOR ASSOCIATE DEGREE NURSING (ADN)

Advisors: Mrs. Donna Everett, Mrs. Lisa Gorgas,
Mrs. Donna Hemphill, Mrs. Lori Luke, and Dr. Melanie Pinter

Licensed Practical Nurses are eligible for advanced placement in the Associate Degree Nursing Program.

PREREQUISITE COURSES: ALL PREREQUISITE COURSES MUST BE COMPLETED WITH A MINIMUM GRADE OF C.

BIO 2511 & BIO 2513 or BIO 2514: Anatomy & Physiology I with Lab or upper level equivalent	4 hours
BIO 2521 & BIO 2523 or BIO 2524: Anatomy & Physiology II with Lab or upper level equivalent	4 hours
BIO 2921 & BIO 2923 or BIO 2924: Microbiology with Lab or upper level equivalent	4 hours
ENG 1113 English Composition I	3 hours
ENG 1123 English Composition II	3 hours
EPY 2533 Human Growth & Development	3 hours
Total hours	21

FIRST YEAR

Spring Semester

NUR 1116	LPN Transition to ADN	6 Credit Hours
<i>Upon successful completion of the LPN Transition to ADN Course, credit by validation is awarded for LPN certificate from accredited/approved program; unencumbered MS license and documentation of one-year experience as a Licensed Practical Nurse.</i>		
*Fine Arts or Humanities Elective		3
Total		22

SECOND YEAR

Fall Semester			Spring Semester		
NUR 2319	Adult Health Nursing II	9	NUR 2410	Advanced Concepts of Nursing	10
NUR 2120	Nursing Seminar	0	NUR 2121	Nursing Seminar	1
PSY 1513	General Psychology	3	NUR 2941	NCLEX® Review	1
*SPT 1113	Public Speaking I	3	Total Hours		12
Total Hours		15			

* Courses may be taken in any sequence.

Notes: Enrollment in NUR courses is limited to students who have been admitted to the ADN program and these courses must be taken in the sequence specified. All nursing courses must be completed within four years to graduate from the ADN program.

Progression/Graduation Requirements: Semester average of 80 or above in NUR courses, grade of "C" or above in all required courses, mastery of selected nursing skills, and completion of required assessment examination.

EAST CENTRAL COMMUNITY COLLEGE

PRACTICAL NURSING (PN)

Advisors: Ms. LaShonda Boddie, Mrs. Theresa Cole, and Mrs. Monica Stennis

Upon successful completion of the Practical Nursing (PN) program, graduates should meet State Board of Nursing application requirements to take the National Council Licensure Examination for Practical Nurses (NCLEX-PN®). Program completion does not guarantee a graduate will be allowed to take the examination by the State Board of Nursing. The State Board of Nursing may refuse any individual the right to take the NCLEX-PN® based on criminal history records.

PREREQUISITE COURSES: ALL PREREQUISITE COURSES MUST BE COMPLETED WITH A MINIMUM GRADE OF C.

BIO 2511 & BIO 2513 or BIO 2514: Anatomy & Physiology I with Lab or upper level equivalent 4 hours

BIO 2521 & BIO 2523 or BIO 2524: Anatomy & Physiology II with Lab or upper level equivalent 4 hours

Total hours 8

Fall Semester

PNV 1116	Practical Nursing Foundations	16
Total hours	16

Spring Semester

PNV 1216	Intermediate Practical Nursing	16
Total hours	16

Summer Semester

PNV 1412	Advanced Practical Nursing	12
Total hours	12

Notes: Enrollment in PNV courses is limited to students who have been admitted to the PN program and these courses must be taken in the sequence specified. All nursing courses must be completed within two years to graduate from the PN program.

Progression/Graduation Requirements: Semester average of 80 or above in PN courses, grade of "C" or above in all required courses, mastery of selected nursing skills, and completion of required assessment examinations.

ECCC currently implements Option 4 (August start) 2018 Practical Nursing Mississippi Curriculum Framework.

EAST CENTRAL COMMUNITY COLLEGE

SURGICAL TECHNOLOGY (ST)

Advisors: Mrs. LeAnn Shirley, Mrs. Kristie Pilgrim

Surgical Technology is an instructional program that prepares an individual to serve as a member of the surgical team to work with surgeons, anesthesiologists, certified registered nurse anesthetists, registered nurses, physician's assistants and other surgical personnel in delivering patient care and assuming appropriate responsibilities before, during, and after surgery. This program includes the education of all aspects of surgical technology including the role of second assistant and circulator.

This program of study leads to a technical certificate in surgical technology. Students who complete the technical certificate courses and the general education core may be awarded an Associate of Applied Science degree. Qualified students will be required to take the National Board of Surgical Technology and Surgical Assisting to become a Certified Surgical Technologist. Qualified students at schools without programmatic accreditation may sit for the National Center for Competency Testing (NCCT). Surgical Technology is an instructional program that prepares an individual to serve as a member of the surgical team.

Graduates of the 12-month program will be awarded the Certificate of Surgical Technology. The Associate of Applied Science Degree in Surgical Technology will be awarded to successful graduates of the 24-month program. Qualified graduates may apply to the Association of Surgical Technologies® for the National Certifying Examination and become a Certified Surgical Technologist*.

*Baseline competencies for Surgical Technology

Technical Certificate - Total Hours: 49 semester credit hours

Prerequisite course must be successfully completed in fall semester prior to beginning program in spring semester. Prerequisite Course: SUT 1223: Medical Terminology for Surgical Technologists – 3 semester credit hours.

First Semester - Spring			Second Semester - Summer		
ENG 1113	English Composition I	3	SUT 1518	Basic & Related Surgical Procedures	8
SUT 1217	Principles of Surgical Technique	7	Instructor Approved Elective		1
SUT 1113	Fundamentals of Surgical Technology	3	Instructor Approved Elective		3
SUT 1314	Surgical Anatomy	4	Total hours		12
SUT 1413	Surgical Microbiology	3			
Total hours		20			
			Third Semester - Fall		
			SUT 1528	Specialized Surgical Procedures	8
			SUT 1539	Advanced Surgical Procedures	9
			Total hours		17

Associate of Applied Science Degree - Total Hours: 81 semester credit hours

Prerequisite course must be successfully completed in fall semester prior to beginning program in spring semester. Prerequisite Course: SUT 1223: Medical Terminology for Surgical Technologists – 3 semester credit hours.

First Semester - Fall			Second Semester - Spring		
*SUT 1223: Medical Terminology for Surgical Technologists	3		SUT 1113: Fundamentals of Surgical Technology	3	
BIO 2923/ BIO 2921 or BIO 2924: Microbiology with Lab	4		SUT 1217: Principles of Surgical Technique	7	
BIO 2513/BIO 2511 or BIO 2514: Anatomy & Physiology I	4		SUT 1314: Surgical Anatomy	4	
ENG 1113: English Composition I	3		SUT 1413: Surgical Microbiology	3	
CSC 1113: Computer Concepts	3		Total Hours		17
Total Hours		17			
Third Semester - Summer			Fourth Semester - Fall		
SUT 1518: Basic Related Surgical Procedures	8		SUT 1528: Specialized Surgical Procedures	8	
EPY 2533: Human Growth & Development	3		SUT 1539: Advanced Surgical Procedures	9	
Humanities or Fine Arts Elective	3		Total Hours		17
Total Hours		14			
			Fifth Semester - Spring		
			BIO 2523/BIO 2421 or BIO 2424: Anatomy & Physiology II	4	
			College Algebra or Lab Science	3-4	
			Social or Behavioral Science	3	
			HPR 2213: First Aid and CPR	3	
			ENG 1123: English Composition II	3	
			Total Hours		16-17

Notes: Students who lack entry-level skills in math, English, science, etc. will be provided related studies.

Progression/Graduation Requirements: Test average of "80" or above, grade of "C" or above on all Surgical Technology courses and required courses, mastery of selected Surgical Technology skills.

EAST CENTRAL COMMUNITY COLLEGE

EMERGENCY MEDICAL TECHNICIAN (EMT)

Advisor: Staff

Emergency Medical Technician is a one-semester instructional program that prepares individuals to provide basic emergency medical care and transportation for critical and emergent patients who access the emergency medical system. Emergency Medical Technicians function as part of a comprehensive EMS response, under medical oversight, trained in airway management, communications, documentation, general pharmacology, hemorrhage control, ambulance operations, and splinting of adult, pediatric, and infant patients; and special care of patients exposed to heat, cold, radiation, or contagious disease. Students who complete the program are eligible to take the National Registry of Emergency Medical Technicians Exam and become state certified.

The one-semester Emergency Medical Technician (EMT) instructional course prepares successful graduates to meet the Mississippi State Department of Health requirements to take the National Registry of Emergency Medical Technicians Exam and become state certified.

The course includes formal EMT education and training in the development of effective basic skills that are performed safely in an out-of-hospital setting with medical oversight and responsibilities in transporting all emergency individuals to an appropriate facility.

PRE-REQUISITES:

- Age of 18 years or older
- Ability to read and write
- High School Graduate, high school equivalency, or equivalent
- ACT® Composite Score of 16 if taken after October 1989 or 12 if taken before October 1989, or Minimum Score of 10 on the TABE® reading test
- Valid CPR Certification (Health Care Provider)
- Proof of Physical Fitness by a licensed Physician
- Proof of Hepatitis B vaccination

Course: EMS 1117

Includes a total of 60 hours lecture, 60 hours lab, and 45 hours clinical in the field and emergency room. 7 Scheduled Credit Hours: 4 hours lecture, 4 hours lab, and 3 hours clinical.

NOTE: Students must pass the final comprehensive exam and skills in order to successfully complete the course.

EAST CENTRAL COMMUNITY COLLEGE

TECHNICAL PROGRAMS (General Education Core)

Technical programs at East Central Community College are designed to prepare the student for employment upon completion of the specified program curriculum. Students who complete a two-year program are then eligible to receive the Associate of Applied Science Degree. Students who complete the one year or two year options will receive certificates.

TECHNICAL CORE CURRICULUM (General Education)

To complete the requirements for the A.A.S. degree, the students must complete the 15 semester hour General Education Core Curriculum which includes the following:

English Composition.....	3 sem. hrs.
Humanities/Fine Arts	3 sem. hrs.
Social/Behavioral Sciences	3 sem. hrs.
College Algebra or Lab Science	3-4 sem. hrs.
Oral Communication	3 sem. hrs.
	<u>15-16 sem. hrs.</u>

Students who lack entry-level skills in math, English, etc., will be provided related studies.

EAST CENTRAL COMMUNITY COLLEGE

AUTOMOTIVE TECHNOLOGY (AUT)

Advisor: Mr. Greg Holekamp

Automotive Technology is an instructional program that prepares individuals to engage in the servicing and maintenance of all types of automobiles. Instruction includes the diagnosis of malfunction of all 8 areas of ASE/NATEF certification (engine repair, electrical and electronic systems, engine performance, brakes, steering and suspension systems, manual drive trains and axles, automatic transmissions and transaxles, heating and air conditioning).

Automotive Technology is an articulated technical program designed to provide advanced and technical skills to its students. Baseline competencies, taken from secondary automotive mechanics curriculum framework, serve as a foundation for the competencies and suggested objectives taught in the courses of the program. Students who do not possess these competencies will be allowed to acquire them during the program. Students who can document mastery of the baseline competencies will receive advanced instruction on these topics. Automotive Technology may be taught as either a certificate program or as a technical program.

Career Certificate – 30 hours

ATT 1811 - Intro and Safety
ATT 1124 - Basic Electrical/Electronic Systems
ATT 1214 - Brakes
ATT 1424 - Engine Performance I
ATT 2434 - Engine Performance II
ATT 1134 - Advanced Electrical/Electronic Systems
ATT 2334 - Steering and Suspension
ATT 1715 - Engine Repair

Technical Certificate – 45 hours

ATT 1313 - Manual Drive Trains/Trans Axles
ATT 2444 - Engine Performance III
ATT 2614 - Heating and Air Conditioning
ATT 2324 - Automatic Transmissions/Trans Axles

Associate of Applied Science degree – 60/61 hours

Oral Communications
College Algebra/Lab-based science
Humanities/Fine arts
Written Communications
Social/Behavioral Science

EAST CENTRAL COMMUNITY COLLEGE
AUTOMATION AND CONTROL TECHNOLOGY
(IAC)

Advisor: Mr. Jordan Robinson

Automation and Control Technology is an instructional program that provides the student with technical knowledge and skills necessary for gaining employment as an automated manufacturing systems technician in maintenance diagnostics, engineering, or production in an automated manufacturing environment. The focus of this program is on electricity/electronics, fluid power, motors and controllers, programmable controls, interfacing techniques, instrumentation, and automated processes.

Career Certificate - 30 hours

IAT 1113 - Introduction to Automation and Controls
IAT 1123 - Electrical Wiring for Automation and Control
IAT 1133 - AC and DC Circuits for Automation and Control
ELT 1213 - Electrical Power
ELT 1263 - Electrical Drawing and Schematics
IAT 1143 - Fluid Power for Automation and Control
IAT 1153 - Motor Control Systems for Automation and Control
IAT 1163 - Manufacturing Skills for Automation and Control
IAT 1173 - Control Systems I for Automation and Control
ROT 1113 - Fundamentals of Robotics

Technical - Certificate 45 hours

IAT 2113 - Programmable Logic Controllers
IAT 2123 - Control Systems II
IAT 2133 - Solid State Motor Controls for Automation and Control
ROT 1313 - Industrial Robotics for Automation and Control
IAT 2413 - Special Projects in Automation and Control

Associate of Applied Science degree – 60/61 hours

Written Communications
Oral Communications
Humanities/Fine Arts
College Algebra or Lab-based Science
Social/Behavioral Science Elective

Technical Electives (listed or approved by instructor)

ELT 1123 - Commercial Wiring
ELT 1183 - Industrial Wiring
ELT 1213 - Electrical Power
ELT 2424 - Solid State Motor Controls
DDT 1163 - Engineering Graphics
DDT 1313 - Computer Aided Design I
EET 1334 - Solid State Devices and Circuits
EET 1213 - Digital Electronics
Work-based Learning Elective(s)
Computer Science Elective(s)

EAST CENTRAL COMMUNITY COLLEGE

BUSINESS AND OFFICE TECHNOLOGY

This is the era of high technology-the age of information processing. To maintain a competitive edge in this fast paced world, dynamic organizations sense a critical need to do more work in less time, thus generating reduced cost. As a result, high levels of productivity are required. To attain such a far-reaching goal, managers rely on benefits of progressively more powerful technologies, which include new concepts and new equipment as well as a more highly qualified personnel.

The overall objective of the Business and Office curriculum is to provide business training in theory and practical applications necessary for employment in high tech government agencies, industries, businesses, and medical and professional areas. The Curriculum consists primarily of training to provide employable skills using up-to-date procedures, processes, and equipment.

Degree and Certificate Option

The degree and certificate options are available for students enrolling in Medical Office Technology, Accounting Technology, Business Management Technology and Administrative Office Technology. Upon successfully completing the Business and Office Technology curriculum, graduates should be able to apply the theory and practical applications necessary for employment in government agencies, industries, businesses, and medical and professional areas.

MEDICAL OFFICE TECHNOLOGY (MOT)

Advisors: Mrs. Christy Ferguson, Ms. Judith Hurtt

The Medical Office Technology Program is designed to prepare students to work in medical office positions in doctors' offices, health clinics, and other related organizations. The program of study familiarizes the student with ICD and CPT Codes. The student will understand the importance of accurate, complete, and consistent coding practices for the production of quality healthcare data.

Career Certificate – 30 hours

BOT 1313 - Applied Business Math
BOT 1613 - Medical Office Terminology I
BOT 1623 - Medical Office Terminology II
BOT 1433 - Business Accounting
BOT 2743 - Medical Office Concepts
BOT 1763 - Communication Essentials
BOT 1273 - Introduction to Microsoft® Office®
BOT 1233 - Microsoft® Word® I
BOT 1243 - Microsoft® Word® II
BOT 2763 - Electronic Health Records

Technical Certificate – 45 hours

BOT 2643 - CPT Coding
BOT 2653 - ICD Coding
BOT 1013 - Introduction to Keyboarding
BOT 2673 - Medical Insurance Billing
BOT 2923 - BOT Externship and Seminar

Associate of Applied Science degree – 60/61 hours

Written Communications
Oral Communications
Social/Behavioral Science
Humanities/Fine Arts
College Algebra/Lab-based science

* Prior to enrollment in Microsoft® Word® I (BOT 1233), students will be required to key straight-copy material at a minimum of 35 GWPM, on a 5-minute timed writing, with a maximum of 1 error per minute. Students who do not demonstrate this level of proficiency will be required to enroll in Introduction to Keyboarding (BOT 1013).

EAST CENTRAL COMMUNITY COLLEGE

ACCOUNTING TECHNOLOGY (ACT)

Advisors: Mrs. Christy Ferguson, Ms. Judith Hurtt

The Accounting Technology Program is designed to prepare students for entry-level accounting positions in accounts payable, accounts receivable, payroll, and inventory as well as enhance the skills of persons currently employed in accounting who wish to advance. The program provides a foundation for students transferring to a four-year college or university to pursue a specialized degree in the field.

Career Certificate – 30 hours

BOT 1013 - Introduction to Keyboarding
BOT 1313 - Applied Business Math
BOT 1763 - Communication Essentials
BOT 1273 - Introduction to Microsoft® Office®
BOT 1233 - Microsoft® Word® I
BOT 1243 - Microsoft® Word® II
BOT 2183 - Career Readiness
BOT 1823 - Microsoft® Excel® I
BOT 2433 - Quickbooks®
ACC 2213 - Accounting I

Technical Certificate – 45 hours

BOT 1493 - Social Media Management
BOT 1843 - Microsoft® Excel® II
BOT 2463 - Payroll Accounting
BOT 2923 - BOT Externship and Seminar
ACC 2223 - Accounting II

Associate of Applied Science degree – 60/61 hours

Written Communications
Oral Communications
Social/Behavioral Science
Humanities/Fine Arts
College Algebra/Lab-based science

* Prior to enrollment in Microsoft Word® I (BOT 1233), students will be required to key straight-copy material at a minimum of 35 GWPM, on a 5-minute timed writing, with a maximum of 1 error per minute. Students who do not demonstrate this level of proficiency will be required to enroll in Introduction to Keyboarding (BOT 1013).

EAST CENTRAL COMMUNITY COLLEGE

BUSINESS MANAGEMENT TECHNOLOGY (BMT)

Advisors: Mrs. Christy Ferguson, Ms. Judith Hurtt

The Business Management Technology Program provides students with a relevant professional management education and effective approaches to technology, entrepreneurship, human resource, and management information. The student will develop skills in innovative aspects of technology and business management with an emphasis on project-based learning and field externships.

Career Certificate – 30 hours

BOT 1013 - Introduction to Keyboarding
BOT 1313 - Applied Business Math
BOT 1433 - Business Accounting OR ACC 2213-Accounting I
BOT 1763 - Communication Essentials
BOT 1273 - Introduction to Microsoft® Office®
BOT 1233 - Microsoft® Word® I
BOT 1243 - Microsoft® Word® II
BOT 2183 - Career Readiness
BOT 1823 - Microsoft® Excel® I
BOT 2433 - Quickbooks®

Technical Certificate – 45 hours

BOT 1843 - Microsoft® Excel® II
BOT 1493 - Social Media Management
BOT 2233 - Human Resource Management
BOT 2613 - Entrepreneurial Problem Solving
BOT 2923 - BOT Externship and Seminar

Associate of Applied Science degree – 60/61 hours

Written Communications
Oral Communications
Social/Behavioral Science
Humanities/Fine Arts
College Algebra/Lab-based science

* Prior to enrollment in Microsoft® Word® I (BOT 1233), students will be required to key straight-copy material at a minimum of 35 GWPM, on a 5-minute timed writing, with a maximum of 1 error per minute. Students who do not demonstrate this level of proficiency will be required to enroll in Introduction to Keyboarding (BOT 1013).

EAST CENTRAL COMMUNITY COLLEGE

ADMINISTRATIVE OFFICE TECHNOLOGY (OST)

Advisors: Mrs. Christy Ferguson, Ms. Judith Hurtt

The Administrative Office Technology Program is designed to prepare potential students for entry-level training in administrative office procedures, integrated computer applications, business financial systems, communication, and related technologies.

Career Certificate – 30 hours

BOT 1313 - Applied Business Math
BOT 1433 - Business Accounting or ACC 2213 - Accounting I
BOT 1013 - Introduction to Keyboarding
BOT 1763 - Communication Essentials
BOT 1273 - Introduction to Microsoft® Office®
BOT 1233 - Microsoft® Word® I
BOT 1243 - Microsoft® Word® II
BOT 2183 - Career Readiness
BOT 1823 - Microsoft® Excel® I
BOT 2433 - Quickbooks®

Technical Certificate – 45 hours

BOT 2133 - Desktop Publishing
BOT 1493 - Social Media Management
BOT 1843 - Microsoft® Excel® II
BOT 2333 - Microsoft® Access®
BOT 2923 - BOT Externship and Seminar

Associate of Applied Science degree – 60/61 hours

Written Communications
Oral Communications
Social/Behavioral Science
Humanities/Fine Arts
College Algebra/Lab-based science

* Prior to enrollment in Microsoft® Word® I (BOT 1233), students will be required to key straight-copy material at a minimum of 35 WPM, on a 5-minute timed writing, with a maximum of 1 error per minute. Students who do not demonstrate this level of proficiency will be required to enroll in Introduction to Keyboarding (BOT 1013).

EAST CENTRAL COMMUNITY COLLEGE

COLLISION REPAIR TECHNOLOGY (CRT)

Advisor: Luke Howell

Collision Repair Technology is an instructional program designed to prepare students for entry level into the Collision Repair and Refinishing trade. Upon completion of this program, the students will be prepared for beginning positions as body, frame, and refinish technicians. Students will be provided theory and practical repair and refinish work beginning with basic applications and progressing on to heavy collision repairs requiring major body and frame alignment and panel replacement. The instruction includes all phases necessary to teach collision repair including glass replacement, welding, replacement of hardware and trim items, cosmetic and structural repairs.

Students enrolling in Collision Repair Technology will need to select one of the following options upon entering the program. The options are the two year Associate of Applied Science Degree in Collision Repair Technology-or a Collision Repair Technology Certificate.

AAS DEGREE (CRT)

Career Certificate – 30 hours

ABT 1146 - Structural Analysis and Damage Repair I
ABT 1223 - Non-Structural Analysis and Damage Repair I
ABT 1313 - Refinishing I
ABT 1443 - Mechanical and Electrical Components I
ABT 1236 - Non-Structural Analysis and Damage Repair II
ABT 1453 - Mechanical and Electrical Components II
ABT 1323 - Refinishing II
ABT 1153 - Structural Analysis and Damage Repair II

Technical Certificate – 45 hours

ABT 2336 - Refinishing III
ABT 2163 - Structural Analysis and Damage Repair III
ABT 2243 - Non-Structural Analysis and Damage Repair III
Technical Elective (3 hours)

Associate of Applied Science degree – 60/61 hours

Humanities/Fine Arts
Social/Behavioral Science
College Algebra/Science
Written Communications
Oral Communications

Approved Technical Electives

Work Based Learning
ABT 2713 - Collision Analysis & Estimation
ABT 2923 - Supervised Work Experience in Collision Repair Technology
Other electives approved by instructor

EAST CENTRAL COMMUNITY COLLEGE

**INFORMATION SYSTEMS TECHNOLOGY
(IST)**

Advisor: Mr. Thomas Fortenberry

Information Systems Technology is a program which offers training in telecommunications, network administration, and client/server systems.

Career Certificate – 30 hours**

IST 1124 - IT Foundations
IST 1134 - Foundations of Database Communications
IST 1154 - Web and Programming Concepts
IST 1143 - Principles of Information Security
IST 1163 - Database & SQL Concepts
IST 1223 - Network Components
Networking Electives* (9 hours)

Technical Certificate – 45 hours***

IST 2224 - Network Planning and Design
IST 2234 - Network Implementation
Networking Elective* (3 hours)
Technical Elective* (4 hours)

Associate of Applied Science degree – 60/61 hours

Written Communications
Oral Communications
Social/Behavioral Science
Humanities/Fine Arts
College Algebra/Lab-based science

*Any IST advisor approved field-related elective

**Student will be required to take the CompTIA A+ Certification Test to complete this option

*** Student will be required to take the CompTIA Network + Certification Test and the CompTIA Security + Certification Test to complete this option

EAST CENTRAL COMMUNITY COLLEGE

GENERAL ENGINEERING TECHNOLOGY (DDT)

The Drafting and Design program of study is designed to provide specialized occupational instruction in all phases of drafting technology in order to prepare students for positions in the drafting field. A combination of class work and practical experience is stressed.

The Drafting and Design Cluster allows students to obtain skills and knowledge related to several fields of the drafting and design industry. Options within the cluster include General Drafting, Land Surveying and Architectural Engineering Technology. Students through technical electives have the option to be introduced to GIS (Geographic Information Systems).

GENERAL DRAFTING

Advisor: Chris Ryals

This program prepares a person for careers in several areas of drafting including Mechanical Design while still introducing students to Architectural Design and Land Surveying.

Career Certificate – 30 hours

DDT 1163 - Engineering Graphics
DDT 1173 - Mechanical Design I
DDT 1213 - Construction Standards and Materials
DDT 1313 - Computer-Aided Design I
DDT 1323 - Computer-Aided Design II
DDT 1613 - Architectural Design I
Instructor Approved Technical Electives (12 hours)

Technical Certificate - 45 hours

DDT 2153 - Civil Planning and Design
DDT 2213 - Structural Detailing I
DDT 2373 - 3D Modeling
Instructor Approved Restricted Elective (3 hours)
Instructor Approved Technical Elective (3 hours)

Associate of Applied Science degree – 60/61 hours

Written Communications
Oral Communications
Social/Behavioral Science
Humanities/Fine Arts
College Algebra/Lab-based science

Approved Technical Electives

DDT 1413 - Elementary Surveying
DDT 2423 - Mapping and Topography
DDT 2633 - Pre-Engineered Metal/Steel Building Drafting
DDT 2163 - Machine Drafting II
DDT 2243 - Cost Estimating
DDT 2623 - Architectural Design II
DDT 2433 - Legal Principles of Surveying
GIT DDT 2123 - Fundamentals of GIS
DDT 2913 - Special Project
DDT 2813 - Inventor 3D Model and Animation
WBL 1913, 1923, 2913, 2923-Work Based Learning

EAST CENTRAL COMMUNITY COLLEGE

ARCHITECTURAL ENGINEERING TECHNOLOGY/TECHNICIAN

Advisor: Staff

This program prepares a person for careers in the architectural drafting field as an Architectural Drafter or Architectural Designer or CAD Technician. This option will emphasize the design of residential as well as commercial fields. The program is designed to prepare graduates for employment in architectural firms, design/build firms, engineering firms and manufacturing facilities.

Upon successful completion of the curriculum, the graduate will earn an Associate of Applied Science degree (AAS) in Drafting & Design Technology with an emphasis in Architectural Engineering Technology.

Career Certificate – 30 hours

DDT 1163 - Engineering Graphics
DDT 1313 - Computer-Aided Design I
DDT 1213 - Construction Standards and Materials
DDT 1323 - Computer-Aided Design II
DDT 1613 - Architectural Design I
DDT 2373 - 3D Modeling
Instructor Approved Technical Electives (12 Hours)

Technical Certificate – 45 hours

DDT 2243 - Cost Estimating
DDT 2633 - Pre-Engineered Metal/Steel Building Drafting
DDT 2623 - Architectural Design II
Instructor Approved Technical Electives (6 hours)

Associate of Applied Science degree – 60/61 hours

Written Communications
Oral Communications
Social/Behavioral Science
Humanities/Fine Arts
Restrictive Elective*

Approved Technical Electives

DDT 2433 - Legal Principles of Surveying I
DDT 2123 - Fundamentals of GIS
DDT 1413 - Elementary Surveying
DDT 2423 - Mapping and Topography
DDT 2153 - Civil Planning and Design
WBL 1913, 1923, 2913, 2923 - Work Based Learning
DDT 2915 - Special Project

Restricted Electives – must be math, science, or technology-based courses. MAT 1323 Trigonometry is strongly suggested for one of the restrictive electives.

EAST CENTRAL COMMUNITY COLLEGE

EARLY CHILDHOOD EDUCATION (ECE)

Advisors: Ms. Sheri Anders and Ms. Debra Payton

The student enrolled in Early Childhood Education Technology is required to successfully complete two academic years of study. The individual will receive an Associate of Applied Science Degree. The student receives adequate instruction and preparation for a professional career in the area of Early Childhood Education.

Experiences in planning and coordination of developmentally appropriate activities in all content areas including but not limited to: creative arts, math, science, language arts, and other avenues of learning prepare the student for job placements in private and public day care centers, HeadStart, teachers' aides in public school systems, and other early childhood related positions. All students enrolled in the program must have up-to-date immunizations and submit to finger printing and a background check.

Upon successfully completing the Early Childhood Education Technology program with an Associates of Applied Science degree, graduates should be able to gain entry to administrative level employment in the childcare industry.

Career Certificate – 30 hours

CDT 1113 - Early Childhood Profession
CDT 1213 - Infant and Toddler Development
CDT 1313 - Creative Arts for Young Children
CDT 1343 - Child Health, Safety and Nutrition
CDT 1713 - Language and Literacy Development
CDT 1223 - Preschool and Primary Development
CDT 2613 - Methods, Materials and Measurements
CDT 2713 - Social Studies, Math and Science
CDT 2233 - Guiding Social and Emotional Behavior
CDT 2513 - Family Dynamics and Community Involvement

Technical Certificate – 45 hours

CDT 2915 - Initial Practicum
CDT 2813 - Administration of Programs for Young Children
CDT 2413 - Development of the Exceptional Child
CDT 2944 - Advanced Practicum

Associate of Applied Science degree – 60/61 hours

Written Communications
Oral Communications
Social/Behavioral Science
Humanities/Fine Arts
College Algebra/Lab-based science

EAST CENTRAL COMMUNITY COLLEGE

ELECTRICAL TECHNOLOGY (ELT)

Advisor: Mr. John Everett

The Electrical Technology program prepares individuals to install, operate, maintain, and repair electrically-energized systems such as residential, commercial, and industrial electric wiring, and D.C. and A.C. motors, controls, and electrical distribution panels. Instruction in the use of test equipment is included.

**Baseline Competencies for Electrical Technology

Career Certificate – 30 hours

ELT 1193 - Fundamentals of Electricity
ELT 1143 - AC and DC Circuits for Electrical Technology
ELT 1263 - Electrical Drawing and Schematics
ELT 1123 - Commercial Wiring
ELT 1183 - Industrial Wiring
ELT 1253 - Branch Circuits
ELT 1213 - Electrical Power
ELT 1413 - Motor Control Systems
ELT 1223 - Motor Maintenance and Troubleshooting
ELT 1273 - Switching Circuits for Residential, Commercial and Industrial Applications

Technical Certificate – 45 hours

ELT 2614 - Programmable Logic Controllers
ELT 2424 - Solid State Motor Controls
ELT 2114 - Equipment Maintenance, Troubleshooting and Repair
ELT 2913 - Special Project I

Associate of Applied Science degree – 60/61 hours

Written Communications
Oral Communications
Social/Behavioral Science
Humanities/Fine Arts
College Algebra/Lab-based science

** Baseline competencies are taken from the high school Electrician program. Students who can document mastery of these competencies will not be required to take ELT 1192. Students who cannot demonstrate mastery will be required to take ELT 1192.

EAST CENTRAL COMMUNITY COLLEGE
HEATING AND AIR CONDITIONING TECHNOLOGY
(HAC)

Advisor: Mr. Harold Hollingsworth

Heating and Air Conditioning is a postsecondary instructional program that prepares individuals to work in engineering departments or private firms installing, maintaining, and operating small or medium air conditioning, heating, and refrigeration systems. Instruction prepares individuals to work in a commercial setting performing special tasks relating to designing ductwork, assembly, installation, servicing, operation, and maintenance of heating and cooling systems according to the standards of the American Society of Heating, Refrigeration, and Air Conditioning Engineers Inc., Air Conditioning Contractors of America (ACCA), and Air Conditioning Refrigeration Institute (ARI). Included are air-conditioning, heating and refrigeration devices; equipment, techniques, and systems; and maintenance and operation of these systems.

****Baseline Competencies for Heating and Air Conditioning Technology**

Career Certificate – 30 hours

ACT 1003 - Intro to HVAC
ACT 1124 - Basic Compression Refrigeration
ACT 1713 - Electricity for Heating, Ventilation, A/C & Refrigeration
ACT 1133 - Tools & Piping
ACT 1313 - Refrigeration System Components
ACT 1213 - Controls
ACT 2414 - Air Conditioning I
ACT 2513 - Heating Systems
ACT 2433 - Refrigerants, Retrofit, and Regulation

Technical Certificate – 45 hours

ACT 2624 - Heat Load & Air Properties
ACT 2424 - Air Conditioning II
ACT 2324 - Commercial Refrigeration
Technical Electives (3 hours)

Associate of Applied Science degree – 60/61 hours

Written Communications
Oral Communications
Social/Behavioral Science
Humanities/Fine Arts
College Algebra/Lab-based science

**** Baseline competencies are taken from the high school Heating and Air Conditioning program. Students who can document mastery of these competencies should not receive duplicate instruction. Students who cannot demonstrate mastery will be required to do so.**

EAST CENTRAL COMMUNITY COLLEGE
HOTEL/RESTAURANT MANAGEMENT TECHNOLOGY
(HRT)

Advisor: Ms. Lisa Lampton

The Hotel and Restaurant Management concentration provides specialized occupational instruction in all phases of hotel and restaurant management to prepare students for careers as manager/supervisors in the hospitality and tourism industry. Completion of the two-year program leads to an Associate of Applied Science degree.

Career Certificate – 30 hours

HRT 1123 - Introduction to Hospitality Management
HRT 1213 - Sanitation and Safety
HRT 1224 - Restaurant and Catering
HRT 1511 - Hospitality Seminar
CUT 1114 - Culinary Principles I
HRT 2613 - Hospitality Supervision
HRT 2623 - Hospitality Human Resource Management
HRT 1413 - Rooms Division Management
HRT 2423 - Hospitality Security Management and Law
HRT 1813 - Tourism Specialist

Technical Certificate – 45 hours

CUT 2223 - Menu Planning
CSC 1123 - Microcomputer Applications
HRT 2233 - Hospitality Cost Control
HRT 2853 - Convention and Meeting Planning
WBL Elective (WBL 1912, 1923, 2912 or 2923)

Associate of Applied Science degree – 60/61 hours

Social/Behavioral Science Elective
College Algebra/Lab-based science
Humanities/Fine Art Elective
Oral Communications
Written Communications

EAST CENTRAL COMMUNITY COLLEGE

CULINARY ARTS TECHNOLOGY (CUT)

Advisor: Mr. Barry Karrh

The Culinary Arts Technology concentration provides a solid foundation in the methods and science of cooking through exposure to classical, American, and international cuisine, as well as the art of baking and pastries. Special emphasis is placed on culinary tools, equipment, techniques, and specialty ingredients. The heart of the Culinary Arts Technology program is hands-on lab instruction by a chef instructor in a commercial kitchen. All students must wear appropriate chef's uniforms for all lab classes. Successful completion of the two-year program leads to an Associate of Applied Science Degree.

Career Certificate – 30 hours

HRT 1123 - Introduction to Hospitality Management
HRT 1224 - Restaurant and Catering Operations
CUT 1133 - Principles of Baking
CUT 1114 - Culinary Principles I
HRT 1213 - Sanitation and Safety
CUT 1123 - Culinary Principles II
CUT 1513 - Garde Manger
HRT 2623 - Hospitality Human Resource Management
HRT 2613 - Hospitality Supervision
HRT 1511 - Hospitality Seminar

Technical Certificate – 45 hours

CUT 2223 - Menu Planning and Facilities Design
CUT 2243 - Dining Room Management
CUT 2313 - American Region Cuisine
CUT 2423 - International Cuisine
HRT 2233 - Food and Beverage Control

Associate of Applied Science degree – 60/61 hours

Oral Communications
Written Communications
Humanities/Fine Arts Elective
College Algebra/Lab-based science
Social/Behavioral Elective

EAST CENTRAL COMMUNITY COLLEGE

PRECISION MANUFACTURING AND MACHINING TECHNOLOGY (MST)

Advisor: Mr. Jody Addy

Precision Manufacturing and Machining Technology is an instructional program that prepares individuals to manufacture precision parts on machines such as lathes, grinders, drill presses, milling machines, and computer numerical control equipment. Included is instruction in making computations related to work dimensions, testing, feeds, and speeds of machines. In addition, individuals use precision measuring instruments such as layout tools, micrometers, and gauges; machining and heat-treating various metals; and laying out machine parts. Also included is instruction in the operation and maintenance of computerized equipment.

Career Certificate – 30 hours

MST 1115 - Power Machinery I
MST 1413 - Blueprint Reading
MST 1313 - Machine Tool Mathematics
DDT 1313 - Principles of CAD
MST 1124 - Power Machinery II
MST 1423 - Advanced Blueprint Reading
MST 1613 - Precision Layout
MST 2714 - Computer Numerical Controls I
CSC Elective

Technical Certificate – 45 hours

MST 2134 - Power Machinery III
MST 2144 - Power Machinery IV
MST 2724 - Computer Numerical Control Operations II
MST 2733 - Fundamentals of CAD/CAM

Associate of Applied Science degree – 60/61 hours

Social/Behavioral Science Elective
Humanities/Fine Arts Elective
Written Communications
Public Speaking I
College Algebra/Lab-based science

EAST CENTRAL COMMUNITY COLLEGE

CYBER SECURITY TECHNOLOGY (CST)

Advisor: Mr. Thomas Fortenberry

The Cyber Security Technology program provides students with the skill base necessary to become professionals in network administration, network support specialist, computer network defense, intrusion detection systems, red team technician, and penetration testing. Cyber security is balanced between basic general education courses, common to all college programs, and requirements in specialized cyber security technology. It is designed to meet the needs of various information security agencies as well as government, education, healthcare, financial and many other industries. This program is designed to provide the students with the knowledge and attitudes needed to be an effective information security analyst.

Currently, the Cyber Security Technology provides a complete program of study for those students intending to earn the Career Certificate, Technical Certificate, and /or the Associate of Applied Science degree. Completion of this program may enable students to transfer some coursework into a bachelor's degree program.

Career Certificate – 30 Hours

IST 1124 - IT Foundations
IST 1134 - Foundations of Data Communications
IST 1143 - Principles of Information Security
IST 1223 - Network Components
IST 1244 - Network Admin. Using Microsoft Windows Server
IST 1254 - Network Admin. Using Linux
IST 2614 - Windows Security
Programming Language Elective* (4 Hours)

Technical Certificate – 45 Hours

IST 1613 - Computer Forensics
IST 1643 - Network Defense and Countermeasures
IST 1623 - Network Security Fundamentals
IST 2633 - Security Testing and Implementation
Technical Electives* (3 Hours)

Associate of Applied Science Degree – 60/61 Hours

Written Communication
Oral Communication
Social / Behavioral Science
Humanities / Fine Arts
College Algebra / Lab-based science

* Any IST advisor approved elective.

** Student will be required to take the CompTIA A+ Certification to complete this option.

***Student will be required to take the CompTIA Security+ Certification to complete this option.

EAST CENTRAL COMMUNITY COLLEGE

CRIMINAL JUSTICE TECHNOLOGY (CJT/CRJ)

Advisor: Mr. Shane Williams

The Criminal Justice Technology program provides students with the skill base necessary to become professionals in law enforcement, corrections, and other criminal justice fields. Criminal Justice is balanced between basic general education courses, common to all college programs, and requirements in administrative and specialized criminal justice courses. It is designed to meet the needs of various criminal justice agencies and to provide the student with the knowledge and attitudes needed to be an effective professional in the criminal justice system.

Currently, the Criminal Justice Technology provides a complete program of study for those students intending to earn the Career Certificate, Technical Certificate and/or the Associate of Applied Science degree. Completion of this program may enable students to transfer some coursework into a bachelor's degree program.

Career Certificate – 30 Hours

CJT/CRJ 1313 - Introduction to Criminal Justice
CJT/CRJ 1323 - Police Administration and Organization
CJT/CRJ 1363 - Introduction to Corrections
CJT/CRJ 1383 - Criminology
CJT/CRJ 2313 - Police Operations and Ethics
CJT/CRJ 2323 - Criminal Law
CJT/CRJ 2333 - Criminal Investigation I
Technical Electives (9 SCH)

Technical Certificate – 45 Hours

CJT/CRJ 2393 - Survey of Criminalistics
CJT/CRJ 2513 - Juvenile Justice
CJT 2743 - Foundations of Homeland Security and Terrorism
CJT 2813 - Criminal Procedures
Technical Electives (3 SCH)

Associate of Applied Science Degree – 60/61 Hours

Written Communication
Oral Communication
Social / Behavioral Science
Humanities / Fine Arts
College Algebra / Lab-based science

EAST CENTRAL COMMUNITY COLLEGE

**DIESEL EQUIPMENT TECHNOLOGY
(DET)**

Advisor: Staff

Career Certificate - 30 hours

DET 1114 - Fundamentals of Equipment Mechanics
DET 1223 - Electrical/Electronic Systems I
DET 1513 - Hydraulics I
DET 1364 - Diesel Systems I
DET 1614 - Preventive Maintenance and Service
DET 1713 - Transportation Power Train
DET 1813 - Air Conditioning and Heating Systems
DET 2623 - Advanced Brake Systems (Air)
DET 1263 - Electrical/Electronic Systems II

Technical Certificate - 45 hours

DET 2273 - Electrical/Electronic Systems III
DET 2253 - Steering and Suspension Systems
DET 1373 - Diesel Systems II
DET 2523 - Heavy Equipment Powertrain
DET 2383 - Diesel Systems III

Associate of Applied Science degree – 60/61 hours

Written communications
Oral communications
Humanities or Fine Arts
College Algebra or Lab-based Science
Social or Behavioral Science

CAREER PROGRAMS

The following East Central Community College Career Programs are designed to teach the students a trade. A certificate is issued upon satisfactory completion of one of the programs. These programs are scheduled to meet six hours a day, five days a week, unless otherwise specified in the course description. Classroom activities in each career and related fields, as well as laboratory experiences are given each student. A career learning lab is provided to enhance instruction in reading and mathematics.

CARPENTRY TECHNOLOGY (CCT)

Advisor: James Boykin

The Carpentry Technology program is designed to prepare the student for entry-level employment. It provides training in the basic and advanced skills needed to have a successful career in the field of residential carpentry. The training in this course is centered around technical knowledge and hands-on experience in all the stages of construction from foundations and framing to finish carpentry and cabinet making.

Career Certificate – 30 hours

CCT 1116 - Foundations
CCT 1236 - Floor and Wall Framing
CCT 1133 - Blueprint Reading
CCT 1244 - Ceiling and Roof Framing
CCT 1315 - Interior / Exterior Finishing and Cabinet Installation
CCT 1163 - Construction Math
CCT 2243 - Cost Estimating

Approved Technical Electives

WBL 1912, 1923, 2912 or 2923
MMT 2513 - Entrepreneurship
DDT 1413 - Elementary Surveying
Others as approved by the Instructor

EAST CENTRAL COMMUNITY COLLEGE

COSMETOLOGY (COS)

Advisor: Mrs. Aubrie Howell

This course is designed for those who want to become cosmetologists. The course has been approved by the State Board of Education and the Mississippi Board of Cosmetology. It has the approval and support of beauty salon owners and operators throughout this area of the State. A student enrolling must be at least 17 years of age and must have completed high school, or obtained the GED.

During the training period, students must maintain an average grade of 85 in theory and skill to be eligible for State Board Examination in order to attain a license. Fifteen hundred clock hours of training are required to complete the course. These 1500 hours are completed in the 12-month course.

Technical Certificate – 46 hours

COV 1122 - Cosmetology Orientation
COV 1245 - Cosmetology sciences
COV 1426 - Hair care I
COV 1622 - Skin Care I
COV 1522 - Nail Care I
COV 1255 - Cosmetology Sciences II
COV 1436 - Hair Care II
COV 1632 - Skin Care II
COV 1532 - Nail Care II
COV 1722 - Salon Business I
COV 1263 - Cosmetology Sciences III
COV 1443 - Hair care III
COV 1642 - Skin Care III
COV 1542 - Nail Care III
COV 1732 - Salon Business II

COSMETOLOGY TEACHER TRAINING (CTT)

Advisor: Mrs. Aubrie Howell

COV 2816 Teacher Training I6
COV 2826 Teacher Training II..... 6
COV 2836 Teacher Training III6
COV 2846 Teacher Training IV6

Eligibility Requirements for Instructor

1. Eligibility requirements that must be met in order to take the examination:
 - a. Must be at least 21 years of age.
 - b. Must be able to read, write, and speak English.
 - c. Must possess a high school education or its equivalency.
 - d. Must possess a current Mississippi practitioner's license.
 - e. Must have completed six (6) semester hours in college courses approved by the Board.
 - f. Must have successfully completed a course of training for which application for licensure is being made.
 - g. Must have the following hours of instructor training:
 1. Cosmetologist - 1,000 hours of instructor training in a 28 licensed school of cosmetology.
 2. Esthetician - 1,000 hours of instructor training in a licensed school in which the practice of esthetics is taught.
 3. Manicurist - 1,000 hours of instructor training in a licensed school in which the practice of manicuring is taught.
 - h. Must have attended at least one mandatory Board approved "Methods of Teaching" Seminar, earning a minimum of five (5) continuing education hours.

EAST CENTRAL COMMUNITY COLLEGE

WELDING & CUTTING (WLT)

Advisor: Mr. Gerald Jordan

The Welding and Cutting curriculum is designed to prepare the student for entry-level employment in the field of welding and cutting. The curriculum includes Shielded Metal Arc Welding (SMAW), Gas Metal Arc Welding (GMAW), Flux Cored Arc Welding (FCAW), Plasma Arc Cutting (PAC), Carbon Arc Cutting, Oxyfuel Cutting, and Gas Tungsten Arc Welding (GTAW)

Career Certificate – 30 hours

WLT 1313 - Cutting Processes
WLT 1115 - Shielded Metal Arc Welding I
WLT 1124 - Gas Metal Arc Welding
WLT 1173 - Introduction to Welding and Safety
WLT 1232 - Blueprint Reading, Welding Symbols, and Metallurgy
WLT 1225 - Shielded Metal Arc Welding II
WLT 1143 - Flux Core Arc Welding
WLT 1135 - Gas Tungsten Arc Welding