



MID-SOUTH COMMUNITY COLLEGE

Academic Programs

Chapter 7

Academic Programs

Mid-South Community College offers associate degree, technical certificate, and certificate of proficiency programs to meet student and community needs. Courses included in each program address general education knowledge as well as behaviors needed for good citizenship and successful careers. Program goals and course objectives are listed on each course syllabus to inform students in advance about course content so that they can better relate their college studies to their personal educational and career goals.

General Education Learning Outcomes

Mid-South Community College is committed to serving the educational needs of the Arkansas Delta. While the College provides college transfer and employment-related education to meet the pressing short- and long-term needs of its diverse student body, it also recognizes the critical role of general education in preparing students for the demands of the workplace, personal growth, and civic responsibility.

In order to provide certificate and degree-seeking students with the communication, analytical, interpersonal, and research skills necessary to meet the challenges of a constantly changing world, the faculty and administration of MSCC require a coherent body of courses in English, speech, mathematics, history, social sciences, and computer fundamentals for all degree-seeking students. MSCC faculty members require reading, writing, research, and oral communication activities in all credit courses to help students strengthen critical communication, critical thinking, and information processing skills.

The MSCC general education curriculum provides the means by which associate degree students will accomplish the following outcomes. As part of the College's academic assessment program, faculty members have created rubrics which clarify how outcomes are measured and are used to evaluate students. Course rubrics are readily available to students as part of the electronic resources provided for courses in Campus Cruiser.

For ACTS Equivalent Course Numbers, please visit <http://acts.adhe.edu/studenttransfer.aspx>.

General Education Outcomes

MSCC graduates are expected to --

GEO 1: Communicate effectively in standard, edited American English.

- Provide content that is clearly focused and supported by the writer's understanding of the topic.
- Use appropriate grammar, punctuation, spelling, and syntax.
- Logically organize and develop ideas in writing.
- Provide an appropriate introduction and conclusion to organize the speech.
- Provide main points that are well developed and clear.
- Use appropriate gestures, movement, and eye contact to give a poised and professional presentation.
- Speak clearly and understandably using standard, edited English.

GEO 2: Solve problems using mathematical skills appropriate to the task.

- Demonstrate ability to complete different mathematical tasks by using fundamental mathematical operations and principles.
- Perform and apply mathematical operations efficiently and effectively.
- Demonstrate understanding of mathematical tasks by communicating results in written form.
- Effectively use technology to help solve mathematical problems..

GEO 3: Develop work ethic skills relevant to the students' future academic or professional careers.

- Demonstrate the ability to effectively work in a team.
- Demonstrate effective communication, cooperation, and organizational skills to complete all assigned tasks.
- Demonstrate dependable character and the ability to respect others regardless of personal or cultural differences.
- Demonstrate a positive attitude and the ability to appropriately handle criticism.
- Demonstrate that consistent attendance and productivity are a priority.
- Maintain an appropriate appearance for academic and professional settings.

GEO 4: Use common computer applications to locate, communicate, process, and store information.

- Demonstrate basic computer and operating system skills.
- Perform core application tasks within computer software packages, such as Word, Power Point, and Excel.
- Use a search engine and/or electronic databases to access, navigate, and evaluate information on the Internet.
- Communicate effectively using email and/or online discussion forums.

Program Types

Technical/Occupational Programs

Mid-South Community College offers technical/occupational programs which lead to associate of applied science (AAS) degrees, as well as technical/occupational certificates or certificates of proficiency which are shorter in length and focused on specific skills sets.

Most programs incorporate career pathways which allow students to begin a program at the certificate level, earn an award which will support employment, and then continue working toward additional awards which will support career advancement. Students can enter and/or stop out at multiple points.

The **certificate of proficiency program** includes 7-18 credit hours of technical/occupational courses that prepare students for a specified level of competency in a particular field. No general education courses are included although general education skills are incorporated into courses within

the program. Most certificate of proficiency programs articulate with technical certificates or associate of applied science degrees at MSCC.

A **technical certificate program** is a planned program of classroom and laboratory work at the collegiate level. It includes the completion of core general education skills and enables students to reach a specified level of competency in an occupational field. The program, which contains 24-42 credit hours, may also be part of or apply toward an associate degree program.

An **associate of applied science (AAS) degree program** requires 60 credit hours for completion. Some specially approved AAS programs may require more than 60 credit hours. AAS programs are intended for students who plan to enter the workforce immediately after program completion. AAS programs at MSCC include capstone or internship courses, which support the integration and synthesis of knowledge and skills acquired in previous coursework, on-the-job training in internship courses, as well as critical thinking and independent learning. These courses are restricted to students' final semester of enrollment.

More than 18 **baccalaureate degrees** are available through the MSCC University Center, including bachelor of applied science degrees which support a seamless transfer option for students completing associate of applied science degrees. Additional information about these transfer opportunities may be obtained from university degree center offices in the MSCC University Center or from the MSCC Registrar's Office.

Other four-year colleges and universities may accept some technical/occupational courses in transfer; however, students to whom transfer is important should get assurances of transferability for specific courses in writing, in advance, from the institutions to which they plan to transfer.

Currency of Technical/Occupational Skills: Technical/Occupational programs at MSCC are periodically revised to reflect employment needs and technological advances. Consequently, students who are unable to complete a technical/occupational program within 150 percent of the stated time period (3 years for Associate of Applied Science degrees) may have to fulfill different program requirements than those listed in their catalog of entry.

Transfer Programs

Mid-South Community College offers a college-transfer curriculum through its Associate of Arts (AA) degree program, its Associate of Science degree program, and the Associate of Arts in Teaching degree program. Students can complete the first two years of basic college courses in English, mathematics, social science, fine arts, and humanities (while continuing to live and work at home).

Associate of Applied Science students now have a transfer option through the Bachelor of Applied Science (BAS) degree. Individual technical/occupational courses may transfer to four-year college and universities; however, the acceptance of transfer credit is the prerogative of the receiving institution. Students should obtain assurances in advance from the institution to which they wish to transfer.

Most colleges and universities will accept transfer credits from MSCC, which is accredited by the Higher Learning Commission of the North Central Association of Colleges and Schools, 30 N. LaSalle St., Suite 2400, Chicago, IL 60602-2504, (800) 621-7440.

However, the acceptance of transfer credit is the prerogative of the receiving institution. Students should obtain assurances in advance from the institution to which they wish to transfer.

Students can obtain current information about the transferability of MSCC courses to Arkansas public colleges and universities by accessing the Arkansas Course Transfer System (ACTS). Students are guaranteed the transfer of courses listed in ACTS and assured equitable treatment in the application of those credits for the admissions and degree requirements. This listing represents the minimum number of transfer courses that may be accepted by a particular Arkansas institution. Students wishing to transfer a course not listed in ACTS should contact the receiving institution to determine transferability.

Course transferability is not guaranteed for courses listed in ACTS as “No Comparable Course.” Additionally, courses with a “D” frequently do not transfer, and institutional policies may vary. ACTS may be accessed on the Internet by going to <http://acts.adhe.edu/studenttransfer.aspx>.

The MSCC Registrar’s Office serves as a resource for students who are planning to transfer and provides information and a current list of colleges and universities accepting MSCC credits in transfer.

Advanced Manufacturing Technology

Machining

MSCC is committed to frequent review and revision of its technical programs to ensure they meet the evolving needs of business and industry. The following certificates of proficiency in machining are under revision for students declaring the programs as of the fall semester of 2014. New students should confer with an academic advisor prior to enrolling in fall classes.

Certificate of Proficiency in Machine Technology (Machine Attendant)

18 Credit Hours

The Certificate of Proficiency in Machine Attendant provides students with the technical skills needed to perform basic machining set-up, programming, and operation. Students will develop the knowledge and skills for job entry into Computer Numerical Control milling and lathe work.

Job Opportunities

Metal Finisher

Program Goals

- The program trains individuals in the design, application, and operation skills of computer integrated manufacturing which requires experience in computer numerical controlled (CNC) machining, quality control, and computer utilization
- The program provides students with the foundation education, training and direction to work in entry-level positions in the machining field.

Program Requirements

The following outline of requirements should be used as a planning worksheet. Students should take care to check course prerequisites in planning their program of study.

MACH 1023.....	Introduction to Metallurgy	3
MACH 1063.....	Inspection & Testing	3

MACH	1083	..... Introduction to Manual Machining.....	3
MACH	1103	..... Introduction to CNC Machines	3
TECH	1003	..... Introduction to Blueprint Reading	3
TECH	1013	..... Shop Essentials.....	3

Certificate of Proficiency in Machine Technology (Machinist I)

18 Credit Hours

This program enables students to further develop machining skills first introduced in the Machine Attendant Certificate of Proficiency.

Job Opportunities

Metal Finisher Machinist Level I Machine Attendant Quality Inspector

Program Goals

- The program provides students with the foundation education, training, and direction to work in entry-level positions in the machining and CNC machining fields.
- The program prepares students to set up and operate CNC lathes and mills from specified setup information, interpret part drawings, and determine the proper tooling to complete a specified project.
- The program provides students the opportunity to become proficient in both manual and CNC operations.
- The program provides students the ability to complete the National Institute of Metalworking Skills (NIMS) certification for level I machining operations.

Program Requirements

The following outline of requirements should be used as a planning worksheet. Students should take care to check course prerequisites in planning their program of study.

MACH	1123	..... Statistics for Machining I.....	3
MACH	1143	..... Intermediate Blueprint Reading	3
MACH	1163	..... CNC Safety and Proper Functions	3
MACH	1183	..... Metalworking Theory I.....	3
MACH	1203	..... Basic Manual Machine Setup & Operation.....	3
MACH	1223	..... Basic CNC Machine Setup & Operation	3

Certificate of Proficiency in Machine Technology (Machinist II)

18 Credit Hours

Job Opportunities

Metal Finisher Machine Attendant Machinist Level II Quality Inspector

Program Goals

- The program will help students become proficient in setup, operations, and basic programming of manual and CNC operations.

- The program will provide the student with the ability to determine process methods of machining, communicate process improvements, and identify necessary programming information.
- The program will give students the skills to complete the National Institute of Metalworking Skills (NIMS) certification for level II machining operations.

Program Requirements

The following outline of requirements should be used as a planning worksheet. Students should take care to check course prerequisites in planning their program of study.

MACH	2003	..... Statistics for Machining II.....	3
MACH	2023	..... Engineering Drawing and GD&T	3
MACH	2033	..... Metalworking Theory II.....	3
MACH	2043	..... Computer Aided Manufacturing Basic Programming.....	3
MACH	2053	..... Advanced CNC Machine Setup & Operation	3
MACH	2063	..... Specialty Equipment: EDM and Swiss-Style Setup and Operation	3

Manufacturing

MSCC is committed to frequent review and revision of its technical programs to ensure they meet the evolving needs of business and industry. The Associate of Applied Science and the Technical Certificate in Advanced Manufacturing are not available to new students enrolling after the spring semester of 2014. These programs will be replaced by proposed revisions to the Mechatronics programs. Current majors should refer to their catalogs of entry for program requirements.

Mechatronics

MSCC is committed to frequent review and revision of its technical programs to ensure they meet the evolving needs of business and industry. The following certificates of proficiency in mechatronics are under revision for students declaring the programs as of the fall semester of 2014. New students should confer with an academic advisor prior to enrolling in fall classes.

Certificate of Proficiency in Mechatronics: Electrical Level I

16 Credit Hours

The Certificate of Proficiency in Mechatronics: Electrical Level I prepares maintenance technicians with a clear understanding of the principles and application of electricity/electronics to the maintenance and trouble-shooting of industrial electronic controls, including circuitry, wiring, safety, ladder logic, and programmable logic controllers as they apply to installation, maintenance, and troubleshooting of industrial machinery.

Job Opportunities

Maintenance Technician

Program Goals

Program graduates will

- Develop knowledge of electricity/electronics theory and techniques and demonstrate the skills necessary to support maintenance and repair operations in a manufacturing environment.
- Obtain the foundation education, training and direction to work in entry-level positions in the industrial maintenance field

Program Requirements

The following outline of requirements should be used as a planning worksheet. Students should take care to check course prerequisites in planning their program of study.

MANF	1153	..... Electric Motor Control	3
MANF	2044	..... Basic Programmable Logic Controllers	4
TECH	1003	..... Introduction to Blueprint Reading	3
TECH	1013	..... Shop Essentials.....	3
TECH	2033	..... Basic Electricity/Electronics	3

Certificate of Proficiency in Mechatronics: Electrical Level II

18 Credit Hours

The Certificate of Proficiency in Mechatronics: Electrical Level II prepares maintenance technicians with a clear understanding of the principles and applications of electro-fluid power controls, electronic drive systems, and ControlLogix programming and troubleshooting as they apply to installation, maintenance, and troubleshooting of industrial machinery.

Job Opportunities

Maintenance Technician

Program Goals

Program graduates will

- Develop knowledge of the principles and applications of electro-fluid power and ControlLogix programming and demonstrate the skills necessary to support maintenance and repair operations of industrial machinery.
- Demonstrate an understanding of advanced programmable logic controllers
- Demonstrate the work ethics and safety awareness expected in industrial environments.

Program Requirements

The following outline of requirements should be used as a planning worksheet. Students should take care to check course prerequisites in planning their program of study.

MANF	1443	..... Electro-Fluid Power Controls	3
MANF	2113	..... Advanced PLC's	3
MANF	2493	..... Electronic Motor Drive Systems	3
TECH	1003	..... Introduction to Blueprint Reading	3
TECH	1013	..... Shop Essentials.....	3
TECH	2983	..... Capstone or	
TECH	2993	..... Internship.....	3

Certificate of Proficiency in Mechatronics: Mechanical Level I

15 Credit Hours

The Certificate of Proficiency in Mechatronics: Mechanical Level I prepares maintenance technicians with a clear understanding of the principles and applications of basic hydraulic/pneumatic systems, mechanical drives and bearings, and conveyors and support systems as they apply to installation, maintenance, and troubleshooting of industrial machinery.

Job Opportunities

Maintenance Technician

Program Goals

Program graduates will

- Demonstrate a clear understanding of the principles and applications of basic hydraulic/pneumatic systems, mechanical drives and bearings, and conveyors and support systems in a manufacturing environment.
- Obtain the foundation education, training and direction to work in entry-level positions in the industrial maintenance field.

Program Requirements

The following outline of requirements should be used as a planning worksheet. Students should take care to check course prerequisites in planning their program of study.

TECH	1003	.....Introduction to Blueprint Reading	3
TECH	1013	.....Shop Essentials.....	3
TECH	2013	.....Basic Hydraulic/Pneumatic Systems.....	3
MANF	1403	.....Conveyor & Support Systems	3
MANF	2023	.....Mechanical Drives and Bearings	3

Certificate of Proficiency in Mechatronics: Mechanical Level II

18 Credit Hours

The Certificate of Proficiency in Mechatronics: Mechanical Level II prepares maintenance technicians with an advanced understanding of the principles and applications of basic hydraulic/pneumatic systems including precision alignment as they apply to installation, maintenance, and troubleshooting of industrial machinery.

Job Opportunities

Maintenance Technician

Program Goals

Program graduates will

- Understand and appropriately apply the principles and techniques of troubleshooting and maintaining advanced hydraulic/pneumatic systems
- Demonstrate the work ethics and safety awareness expected in industrial environments.

Program Requirements

The following outline of requirements should be used as a planning worksheet. Students should take care to check course prerequisites in planning their program of study.

TECH	1003	.....Introduction to Blueprint Reading.....	3
TECH	1013	.....Shop Essentials.....	3
TECH	2983	.....Capstone or	
TECH	2993	.....Internship.....	3
MANF	1433	.....Advanced Hydraulic/Pneumatic Systems	3
MANF	2463	.....Precision Alignment & Support Systems	3
MANF	2473	.....Hydraulic/Pneumatic Maintenance & Troubleshooting.....	3

Certificate of Proficiency in Mechatronics: Level III

18 Credit Hours

The Certificate of Proficiency in Mechatronics: Level III prepares maintenance technicians with an advanced understanding of the principles and applications of computer-integrated manufacturing including industrial robotics, automated process controls and an understanding of the National Electric Code.

Job Opportunities

Maintenance Technician

Program Goals

Program graduates will

- Understand and appropriately apply the principles and advanced techniques of troubleshooting and maintaining computer integrated systems and industrial robotics
- Understand best practices for the safe installation, upgrade and maintenance of electrical systems and equipment as outlined in the National Electric Code.

Program Requirements

The following outline of requirements should be used as a planning worksheet. Students should take care to check course prerequisites in planning their program of study.

MANF	2103	.....Process Controls for Integrated Systems.....	3
MANF	2203	.....Automated Manufacturing Systems.....	3
MANF	2223	.....Advanced Mechanical Drives.....	3
MANF	2253	.....Overview of National Electric Code (NEC)	3
TECH	2343	.....Intro to Computer Integrated Manufacturing	3
MANF	2353	.....Industrial Robotics	3

Certificate of Proficiency in Mechatronics Management

18 Credit Hours

The Certificate of Proficiency in Mechatronics Management prepares maintenance technicians with the interpersonal, team-building, diversity, and supervisory skills as well as SPC and GD&T knowledge and skills to advance to shift supervisor and/or quality control positions.

Job Opportunities

Maintenance Supervisor Shift Supervisor

Program Goals

Program graduates will

- Acquire and demonstrate the skills for assuming supervisory responsibilities

Program Requirements

The following outline of requirements should be used as a planning worksheet. Students should take care to check course prerequisites in planning their program of study.

BUSN 1163	.....First-line Supervisor	3
BUSN 1273	.....Intro to Operations Management	3
BUSN 2113	.....Principles of Management.....	3
TECH 1303	.....Industrial Safety	3
MANF 2213	.....Lean Manufacturing.....	3
MANF 2323	.....Quality Assurance	3

Welding

Certificate of Proficiency in Flux-Core Arc Welding Technology

15 Credit Hours

The Certificate of Proficiency in Flux-Core Arc Welding Technology introduces students to the knowledge and skills to achieve AWS Sense Level I certification or NCCER Level 2 certification in basic and flux-core arc welding processes including plasma and gas cutting, grinding practices with bench, angle, rust treatment, and welding inspection processes; blue print reading and the use of hand tools, shop tools, reading tapes and micrometers.

Job Opportunities

Welder	Fitting Specialist	Inspector	Glazier
Ironworker	Boilermaker	Shipbuilder	Fabricator

Program Goals

Program graduates will

- Develop knowledge in theory, techniques, and welding skills necessary to support maintenance and repair operations in a manufacturing environment
- Obtain the foundation education, training and direction to work in entry-level positions in the welding field.
- Complete AWS Sense Level I Certification or NCCER Level 2 Certification in flux-core arc welding.

Program Requirements

The following outline of requirements should be used as a planning worksheet. Students should take care to check course prerequisites in planning their program of study.

TECH 1003	.....Introduction to Blueprint Reading	3
TECH 1013	.....Shop Essentials.....	3
TECH 1303	.....Industrial Safety	3
WELD 1053	.....Fundamentals in Welding	3
WELD 1113	.....Flux-Core Arc Welding	3

Certificate of Proficiency in Gas Metal Arc Welding Technology

15 Credit Hours

The Certificate of Proficiency in Gas Metal Arc Welding Technology introduces students to the knowledge and skills to achieve AWS Sense Level I certification or NCCER Level 2 certification in basic and flux-core arc welding processes including plasma and gas cutting, grinding practices with bench, angle, rust treatment, and welding inspection processes; blue print reading, and the use of hand tools, shop tools, reading tapes and micrometers.

Job Opportunities

Welder	Fitting Specialist	Inspector	Glazier
Ironworker	Boilermaker	Shipbuilder	Fabricator

Program Goals

Program graduates will

- Develop knowledge in theory, techniques, and welding skills necessary to support maintenance and repair operations in a manufacturing environment
- Obtain the foundation education, training and direction to work in entry-level positions in the welding field.
- Complete AWS Sense Level I Certification or NCCER Level 2 Certification in gas metal arc welding.

Program Requirements

The following outline of requirements should be used as a planning worksheet. Students should take care to check course prerequisites in planning their program of study.

TECH	1003.....	Introduction to Blueprint Reading	3
TECH	1303.....	Industrial Safety	3
TECH	1013.....	Shop Essentials.....	3
WELD	1053.....	Fundamentals in Welding	3
WELD	1133.....	Gas Metal Arc Welding (GMAW)	3

Certificate of Proficiency in Gas Tungsten Arc Welding Technology

15 Credit Hours

The Certificate of Proficiency in Gas Tungsten Arc Welding Technology introduces students to the knowledge and skills to achieve AWS Sense Level I certification or NCCER Level 2 certification in basic and flux-core arc welding processes including plasma and gas cutting, grinding practices with bench, angle, rust treatment, and welding inspection processes; blue print reading and the use of hand tools, shop tools, reading tapes and micrometers.

Job Opportunities

Welder	Fitting Specialist	Inspector	Glazier
Ironworker	Boilermaker	Shipbuilder	Fabricator

Program Goals

Program graduates will

- Develop knowledge in theory, techniques, and welding skills necessary to support maintenance and repair operations in a manufacturing environment
- Obtain the foundation education, training and direction to work in entry-level positions in the welding field.
- Complete AWS Sense Level I Certification or NCCER Level 2 Certification in gas tungsten arc welding.

Program Requirements

The following outline of requirements should be used as a planning worksheet. Students should take care to check course prerequisites in planning their program of study.

TECH	1003	.....Introduction to Blueprint Reading	3
TECH	1013	.....Shop Essentials.....	3
TECH	1303	.....Industrial Safety	3
WELD	1053	.....Fundamentals in Welding	3
WELD	1143	.....Gas Tungsten Arc Welding (GTAW)	3

Certificate of Proficiency in Shielded Metal Arc Welding Technology

15 Credit Hours

The Certificate of Proficiency in Shielded Metal Arc Welding Technology introduces students to the knowledge and skills to achieve AWS Sense Level I certification or NCCER Level 2 certification in basic and flux-core arc welding processes including plasma and gas cutting, grinding practices with bench, angle, rust treatment, and welding inspection processes; blue print reading and the use of hand tools, shop tools, reading tapes and micrometers.

Job Opportunities

Welder	Fitting Specialist	Inspector	Glazier
Ironworker	Boilermaker	Shipbuilder	Fabricator

Program Goals

Program graduates will

- Develop knowledge in theory, techniques, and welding skills necessary to support maintenance and repair operations in a manufacturing environment
- Obtain the foundation education, training and direction to work in entry-level positions in the welding field.
- Complete AWS Sense Level I Certification or NCCER Level 2 Certification in shielded metal arc welding.

Program Requirements

The following outline of requirements should be used as a planning worksheet. Students should take care to check course prerequisites in planning their program of study.

TECH	1003Introduction to Blueprint Reading	3
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TECH	1013.....Shop Essentials.....	3
TECH	1303.....Industrial Safety.....	3
WELD	1053.....Fundamentals in Welding.....	3
WELD	1123.....Shielded Metal Arc Welding (SMAW).....	3

Allied Health Sciences

Mid-South Community College offers students several career pathways in the Allied Health Sciences and offers the general education requirements for Arkansas State University’s Associate Degree in Nursing, which is offered on the MSCC campus.

Certificate of Proficiency in Emergency Medical Technician

7 Credit Hours

The Certificate of Proficiency in Emergency Medical Technician provides students with academic and practical skills using the 1994 Emergency Medical Technician National Standard Curriculum. The purpose of the Emergency Medical Technician program is to prepare students to provide basic life support to patients in the pre-hospital emergency care setting.

Special Admissions/Enrollment Requirements:

To enroll in EMER 1007 Emergency Medical Technician, students must meet the following criteria:

- Be at least 18 years of age by the time of completion
- Have a high school diploma, or equivalent, at the time of application
- Meet required placement test scores or successful completion of DRDG 1024 Developmental Reading II and DENG 1054 Developmental English II
- Complete a program application, which is available from the Allied Health Sciences Division or email at alliedhealth@midsouthcc.edu
- Submit to a substance abuse screening and criminal background check during the first week of class
- Submit to additional Arkansas state requirements as described during the course

Job Opportunities

Emergency Medical Technicians are employed by: private ambulance services; fire departments; hospitals; volunteer services and/or ancillary care.

Program Goals

- Provide basic level of both knowledge and demonstrable skills for each individual completing the program
- Prepare students to pass the Arkansas State EMT Certification Examination in accordance with the 1994 Emergency Medical Technician National Standard Curriculum and enter the job market.
- Demonstrate the professional/ethical behaviors of timeliness, punctuality, responsibility, confidentiality, and of self-directed task completion

Program Requirements

The following outline of requirements should be used as a planning worksheet.

EMER 1007Emergency Medical Technician 7

Certificate of Proficiency in Nursing Assistant

7/8 Credit Hours

The Certificate of Proficiency in Nursing Assistant provides students with academic and clinical education in nursing related services for long term residents.

Special Admissions/Enrollment Requirements

Students must meet the following criteria:

- Be at least 18 years of age by the end of the CNAS 1014 Nursing Assistant course
- Have a high school diploma, or equivalent, by the end of the course
- Meet required placement test scores or successful completion of DRDG 1024 Developmental Reading II and DENG 1054 Developmental English II
- Submit to a substance abuse screening and criminal background check during the first week of class
- Complete and submit proof of a negative tuberculosis (TB) skin test prior to clinical training

Job Opportunities

Nursing Assistants work in nursing homes, hospitals, hospice programs, rehabilitation centers and home care agencies.

Program Goals

- Provide basic level of both knowledge and demonstrable skills for each individual completing the program
- Create a method of advancement for each individual completing the program
- Prepare students to pass the AR State Certified Nursing Assistant Certification Examination and enter the job market or continue their studies in related Allied Health programs
- Demonstrate the professional/ethical behaviors of timeliness, punctuality, responsibility, confidentiality, and of self-directed task completion

Program Requirements

The following outline of requirements should be used as a planning worksheet.

CNAS 1014Nursing Assistant 4
BIOL 1214/1210.....Anatomy and Physiology I/Lab 4
or
MEDP 1043Anatomy and Physiology 3

Certificate of Proficiency in Phlebotomy

12 Credit Hours

The Phlebotomy Program teaches students the hands-on skills of drawing blood, preparing specimens for transport and handling other important lab specimens. Successful completion of the program should prepare students to pass the national certification examination. Phlebotomy technicians work in hospitals, clinics, and doctor's offices.

Program Goals

Program graduates are expected to satisfy the following Technical/Occupational Outcomes:

- Possess the technical skills required of entry level employees in their career areas.
- Demonstrate knowledge of health care delivery system and medical terminology.
- Demonstrate the professional/ethical behaviors of punctuality, of regular attendance, or respect for supervisors, and co-workers, and self-directed task completion.
- Successfully complete the national certification examination.

Job Opportunities

Hospitals Clinics Doctor's offices

Program Requirements

The following outline of requirements should be used as a planning worksheet. Students should take care to check course prerequisites in planning their programs of study.

MEDP 1033	Medical Terminology	3	
MEDP 1043	Anatomy and Physiology	3	
PHLB 1016	Principles and Practice of Phlebotomy	6	Total: 12

Associate of Applied Science in Medical Assisting Technology

60-61 Credit Hours

The Associate of Applied Science in Medical Assisting is designed to prepare students to function in multiple functions in health care settings from routine office procedures to administering medications as directed by the doctor. Completers will be ready for entry level positions in doctor offices and health clinics.

Special Admissions/Enrollment Requirements

Students must meet the following criteria:

- Be at least 18 years of age
- Have a high school diploma, or equivalent, at the time of application
- Meet required placement test scores or successful completion of DRDG 1024 Developmental Reading II and DENG 1054 Developmental English II
- Meet required placement test scores or successful completion of DMTH 1024 Developmental Mathematics II
- Have a minimum overall GPA of 2.0 or greater
- Complete a program application, which is available from the Allied Health Sciences Division or email at alliedhealth@midsouthcc.edu
- Interview with program faculty

- Submit to a substance abuse screening and criminal background check during the first week of class and before starting externship
- Students will be required to complete and submit proof of immunization by the end of the second semester of enrollment for the following: Hepatitis-B, Measles/Mumps/Rubella (MMR), Tetanus/Diphtheria/Pertussis (TDaP), Flu, and a negative TB skin test.

Job Opportunities

Well-trained and educated medical assistants work in professional environments as integral members of the healthcare team.

Group Practices	Laboratories	Health Care Facilities
Clinics	Hospitals	Private Offices

Program Goals

In addition to satisfying the General Education Learning Outcomes listed on pages 105-106, program graduates will

- Demonstrate knowledge of administrative duties utilizing basic secretarial skills; scheduling; monitoring appointments; interviewing and taking patient history; preparing and maintaining medical records; applying computer concepts for office procedures; performing medical transcription; and locating resources and information.
- Demonstrate knowledge of infection control and safety.
- Demonstrate knowledge the technical skills required of entry-level employees in their career areas such as, taking vitals; recognizing medical emergencies; performing basic first aid and CPR; preparing and maintaining the treatment area; preparing patients for procedures; processing specimens; and administering medications as directed by the physician.
- Demonstrate knowledge by taking the National Certification Exam.
- Demonstrate or display professionalism by projecting a positive attitude; working as a team member; showing initiative and responsibility; and promoting the profession.
- Demonstrate competency in the general education outcomes identified for all MSCC graduates.

Program Requirements

The following outline of requirements should be used as a planning worksheet. Students should take care to check course descriptions and prerequisites in planning their program of study.

General Education Core (18-19 hours)

Communication (9 hours required)

ENGL 1113	.....English Composition I	3
ENGL 1123	.....English Composition II.....	3
<i>or</i>		
ENGL 1133	.....Writing for the Workplace	3
ENGL 2303	.....Oral Communication.....	3

Mathematics (3-4 hours required, select one class)

DMTH 1034	.....Developmental Mathematics III	4
<i>or</i>		
MATH 1104	.....Applied Technical Math	4
<i>or</i>		
MATH 1113	.....College Algebra	3

Computer Skills (3 hours required)

COMP 1113.....Computer Fundamentals 3

Social Science (3 hours required)

PSYC 1403.....Intro to Psychology 3

MSCC Requirement (1 hour)

CSUR 1101.....College Survival Skills 1

Technical Requirements (41 hours)

MDAS 1003.....Medical Assisting Administrative Procedures I..... 3

MDAS 1033.....Medical Law & Ethics 3

MDAS 1053.....Medical Assisting Clinical Procedures I 3

MDAS 1073.....Medical Assisting Clinical Procedures II 3

MDAS 2004.....Medical Billing and Encoding 4

MDAS 2012.....Medical Assisting Administrative Procedures II..... 2

MDAS 2043.....Medical Assisting Laboratory Procedures..... 3

MDAS 2081.....Medical Assisting Certification Review 1

MDAS 2981.....Medical Assisting Seminar 1

MDAS 2996.....Medical Assisting Externship 6

MEDP 1033.....Medical Terminology 3

MEDP 1043.....Anatomy & Physiology 3

PHLB 1016.....Principles & Practices of Phlebotomy 6

Recommended Course Sequence for Full-Time Students

The following course sequence assumes that students are unconditionally enrolled at the time of entry and ensures that students will satisfy the College’s core academic and technical requirements within the specified time frame. Students needing developmental course work should refer to the guidelines for Conditional Enrollment on page 40. Students enter this program in a cohort and must follow the prescribed curriculum sequence.

Note: All students must complete ENGL 1113 English Composition I, either DMTH 1034 Developmental Math III or MATH 1113 College Algebra, MEDP 1043 Anatomy & Physiology and MDAS 1003 Medical Assisting Administrative Procedures I within the first 30 hours of college-level enrollment.

1st Year, 1st Semester

CSUR 1101.....College Survival Skills 1

DMTH 1034.....Developmental Mathematics III 4

or

MATH 1104.....Applied Technical Math 4

MDAS 1003.....Medical Assisting Administrative Procedures..... 3

MDAS 1033.....Medical Law & Ethics 3

MEDP 1113.....Medical Terminology 3

MEDP 1043.....Anatomy & Physiology 3

Total 16**1st Year, 2nd Semester**

COMP 1113.....Computer Fundamentals 3

MDAS 1053.....Medical Assisting Clinical Procedures I..... 3

ENGL 1113.....English Composition I..... 3

MDAS 2012.....Medical Assisting Administrative Procedures II..... 2

PHLB 1016.....Principles and Practices of Phlebotomy..... 6

Total 17

2nd Year, 1st Semester

ENGL	2303.....	Oral Communication.....	3	
MDAS	2004.....	Medical Billing & Encoding	4	
MDAS	1073.....	Medical Assisting Clinical Procedures II.....	3	
MDAS	2043.....	Medical Assisting Lab Procedures.....	3	Total 16

2nd Year, 2nd Semester

ENGL	1123.....	English Composition II.....	3	
	<i>or</i>			
ENGL	1133.....	Writing for the Workplace	3	
MDAS	2081.....	Medical Assisting Certification Review	1	
MDAS	2981.....	Medical Assisting Seminar	1	
MDAS	2996.....	Medical Assisting Externship	6	
PSYC	1403.....	Intro to Psychology	3	Total 14

Associate of Applied Science in Respiratory Care

87 Credit Hours

The Respiratory Care program provides students with the knowledge and practical skills necessary for successful entry into the profession of Respiratory Care as a Respiratory Therapist. The program offers quality learning to address the occupational needs of the diverse population of students in the tri-state area. Graduates of the Respiratory Care program are eligible to sit for the NBRC (National Board of Respiratory Care) Entry Level Exam. Upon completion of the NBRC Entry Level Exam, graduates will be eligible to sit for the NBRC Advanced Practitioners Exam. Respiratory Therapists who pass this test will earn the title of Registered Respiratory Therapist.

The Respiratory Care program at Mid-South Community College holds Provisional Accreditation from the Commission on Accreditation for Respiratory Care (CoARC, www.coarc.com). This status signifies that a program that has been granted an Approval of Intent has demonstrated sufficient compliance to initiate a program in accordance with the Standards through the completion and submission of an acceptable Self Study Report (SSR) and other documentation required by the CoARC Board. The conferral of Provisional Accreditation denotes a new program that has made significant progress towards meeting the Standards of Accreditation. The program will remain on Provisional Accreditation until achieving Initial Accreditation. It is recognized by the National Board of Respiratory Care (NBRC) toward eligibility to the Respiratory Care Credentialing Examination(s). Enrolled students completing the program under Provisional Accreditation are considered graduates of a CoARC accredited program.

Special Admissions/Enrollment Requirements

Students must meet the following criteria:

- Be at least 18 years of age
- Have a high school diploma, or equivalent, at the time of application
- Successfully complete all required prerequisites for admittance to the program: ENGL 1113 English Composition, MATH 1113 College Algebra, MEDP 1033 Medical Terminology, BIOL 1114 Biology, and BIOL 1214 Anatomy & Physiology I.
- Successfully complete all program admittance prerequisites by the end of the spring semester prior to the fall semester for which the student is accepted into the program. Anatomy & Physiology I must have been successfully completed within the last **seven years**.

- Have a minimum overall GPA of 2.5 or greater
- Complete a program application, which is available from the Allied Health Sciences Division or through an email request at alliedhealth@midsouthcc.edu.
- Interview with program faculty.
- Observe a Respiratory Care department and the day-to-day activities of a therapist and complete an observation log
- Submit to a substance abuse screening and criminal background check during the first week of class and prior to enrolling in RSPT 2963 Respiratory Care Clinical I.
- Complete and submit proof of immunization by the end of the first semester of enrollment for the following: Hepatitis-B, Measles/Mumps/Rubella (MMR), Tetanus/Diphtheria/Pertussis (TDaP), Meningitis, and a negative skin test. Students will also be required to have a flu shot during the fall semester of the first and second years.

Job Opportunities

Well-trained and educated Respiratory Therapists work in professional environments as integral members of the healthcare team. Job settings may include the following:

Hospitals	Physician Offices	Homecare
Sleep Labs	Education	Research

Program Goals

This program prepares graduates with demonstrated competence in the cognitive (knowledge), psychomotor (skills), and affective (behavior) learning domains of respiratory care practice as performed by registered respiratory therapists (RRT). Graduates are educationally prepared to successfully practice in a wide variety of clinical settings to evaluate, treat, and manage patients across the life span who are experiencing respiratory and cardiopulmonary disorders.

- Graduates will demonstrate knowledge by successful completion of the NBRC Entry Level exam and then the NBRC Advanced Practitioner exam.
- Graduates will then be eligible to become licensed in Arkansas or the state of their choice.
- Graduates will demonstrate competence in the cognitive (knowledge), psychomotor (skills), and affective (behavior) learning domains of respiratory care practice as performed by registered respiratory therapists to enter the job market or transfer to a college or university.
- Students will demonstrate behaviors consistent with an entry-level respiratory therapist in the areas of communication, collaborative learning and critical thinking/problem solving skills.
- Graduates will demonstrate competency in the general education outcomes identified for all MSCC graduates listed on page 93-94.
- Students will display professionalism by projecting a positive attitude; working as a team member; showing initiative and responsibility; and promoting the profession.

Program Prerequisites (18-19 hours)

Students must successfully complete the following courses PRIOR to applying for admittance to the Respiratory Care program. To ensure acceptance for a fall class, students must complete these program admittance prerequisites no later than the previous spring semester.

ENGL 1113.....English Composition I.....3

DMTH	1034	Developmental Math III	4
or			
MATH	1104	Applied Technical Math	4
or			
MATH	1113	College Algebra	3
BIOL	1114	General Biology and lab	4
BIOL	1214	Anatomy & Physiology I and lab (within last 7 years)	4
MEDP	1033	Medical Terminology	3

Prerequisite English and mathematics requirements satisfy six of the 14 general education core hours listed below.

Program Requirements

The following outline of requirements should be used as a planning worksheet. Students should take care to check course descriptions and prerequisites in planning their program.

General Education Core (9 additional hours)

Communication (6 hours)

ENGL	1113	English Composition I	(see program admittance prerequisite)
ENGL	1123	English Composition II	3

Computer Skills (3 hours required)

COMP	1113	Computer Fundamentals	3
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Mathematics (3-4 hours required, select one class)

DMTH	1034	Developmental Math III	4
MATH	1104	Applied Technical Math	4
MATH	1113	College Algebra	3 (see program admittance prerequisite)

Social Science (3 hours)

PSYC	1403	Introduction to Psychology	3
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Technical Requirements (57 hours)

Science (12 hours)

BIOL	1224/1220	Anatomy & Physiology II/Lab	4
BIOL	2504/2500	Microbiology/Lab	4
CHEM	1314/1310	Chemistry/Lab	4

Respiratory Care Coursework (45 hours)

RSPT	1004	Respiratory Care Science	4
RSPT	1023	Respiratory Care Assessment	3
RSPT	1033	Cardiopulmonary Anatomy & Physiology	3
RSPT	1222	Pharmacology for Respiratory Care	2
RSPT	1244	Respiratory Care Equipment & Procedures	4
RSPT	1263	Pulmonary Disease	3
RSPT	2123	Cardiopulmonary Diagnostics	3
RSPT	2133	Neonatal & Pediatric	3
RSPT	2143	Mechanical Ventilation	3
RSPT	2963	Respiratory Care Clinical Practice I	3
RSPT	2976	Respiratory Care Clinical Practice II	6
RSPT	2982	Respiratory Care Professional Seminar	2
RSPT	2986	Respiratory Care Clinical Practice III	6

MSCC Requirement (4 hours)

CSUR 1101.....	College Survival Skills	1
ENGL 2303.....	Oral Communication	3

Recommended Course Sequence for Full-Time Students

The following course sequence assumes that students are unconditionally enrolled at the time of entry and ensures that students will satisfy the College’s core academic and technical requirements within the specified time frame. Students needing developmental course work should refer to the guidelines for Conditional Enrollment on page 40. **Students are admitted to this program in a cohort and must follow the prescribed curriculum sequence.** Twenty students will be accepted into this program annually.

Before Admission to Program:

Courses required for admittance to the program:

BIOL	1114/1100	Biology/Lab	4	
BIOL	1214/1210	Anatomy & Physiology I/Lab.....	4	
DMTH	1034	Developmental Math III	4	
or				
MATH	1104	Applied Technical Math	4	
ENGL	1113	English Composition I.....	3	
MEDP	1033	Medical Terminology	3	Total 18

1st Year, 1st Semester

CSUR	1101	College Survival Skills	1	
BIOL	1224/1220	Anatomy & Physiology II/Lab.....	4	
RSPT	1004	Respiratory Care Science	4	
RSPT	1023	Respiratory Care Assessment	3	
RSPT	1033	Cardiopulmonary Anatomy & Physiology.....	3	Total 15

1st Year, 2nd Semester

CHEM	1314/1310	Chemistry I/Lab.....	4	
COMP	1113	Computer Fundamentals	3	
RSPT	1222	Pharmacology for Respiratory Care.....	2	
RSPT	1244	Respiratory Care Equipment & Procedures.....	4	
RSPT	1263	Pulmonary Disease	3	Total 16

1st Year, 3rd Semester

RSPT	2123	Cardiopulmonary Diagnostics	3	
RSPT	2963	Respiratory Care Clinical Practice I	3	Total 6

2nd Year, 1st Semester

BIOL	2504/2500	Microbiology/Lab.....	4	
RSPT	2133	Neonatal & Pediatric Care	3	
RSPT	2143	Mechanical Ventilation	3	
RSPT	2976	Respiratory Care Clinical Practice II	6	Total 16

2nd Year, 2nd Semester

ENGL	1123	English Composition II.....	3	
ENGL	2303	Oral Communication	3	
PSYC	1403	Introduction to Psychology.....	3	
RSPT	2981	Respiratory Care Professional Seminar	2	
RSPT	2986	Respiratory Care Clinical Practice III	6	Total 17

Aviation

Aviation Maintenance Technology

MSCC is committed to frequent review and revision of its technical programs to ensure they meet the evolving needs of business and industry. The Aviation Maintenance Technology programs are under revision for students declaring the programs as of the fall semester of 2014. New students should confer with an academic advisor prior to enrolling in fall classes.

Mid-South Community College offers a career pathway in Aviation Maintenance Technology which prepares students for three Federal Aviation Administration certifications as well as completion of an associate's degree in the field.

Certificate of Proficiency in General Aviation Maintenance Technology

18 hours

The General Aviation Maintenance certificate addresses the general knowledge area required for FAA (Federal Aviation Administration) certification as an airframe and powerplant maintenance technician.

Job Opportunities

Mechanics Helper

Aircraft Parts Department

Aircraft Line Service

Program Goals

Program completers will

- Develop the technical skills necessary for entry-level employment in the aviation maintenance industry including a basic understanding of math, physics, and electricity as they apply to aviation maintenance, as well as an introduction to associated tools, drawings and regulations.
- Meet the technical knowledge requirement for General Aviation Maintenance mechanic certification, required by Federal Aviation Regulation, Part 65.
- Strengthen core skills in reading, writing, mathematics, and science reasoning common to the aviation maintenance industry

Program Requirements

The following outline of requirements should be used as a planning worksheet. Students enroll in this program on a cohort basis and must follow the required course sequence.

AMTG 1003.....	Aviation Math and Basic Physics.....	3
AMTG 1024.....	Basic Aviation Electricity	4
AMTG 1033.....	Aviation Tools, Materials, and Processes	3
AMTG 1054.....	Aircraft Familiarization	4
AMTG 1074.....	Aviation Regulations, Documentation, and Drawing.....	4

Technical Certificate in Aviation Airframe Maintenance Technology

32 Credit Hours

The Powerplant Aviation Maintenance certificate provides students with the knowledge and hours required for the FAA (Federal Aviation Administration) Airframe certificate. The subjects covered include reciprocating and turbine engine operation theory, lubrication, powerplant electricity, ignition, starting, fire protection, auxiliary power units, engine instruments, induction, exhaust, cooling, fuel systems and fuel metering, propeller operation and overhaul, and powerplant inspection.

Students who successfully complete the Certificate of Proficiency in General Aviation Maintenance Technology and the Technical Certificate in Aviation Powerplant Maintenance Technology classes will be eligible for the FAA “Mechanics Certificate” (Airframe Specialization) testing process.

Job Opportunities

Avionics Technician	Composite Technician	Aircraft Painter
Sheet Metal Technician	Electrician	

Program Goals

- Develop the technical skills expected of a beginning licensed mechanic for the repair, maintenance, inspection and overhaul of airframe, including electrical systems, sheet metal, welding, hydraulic systems, rigging and assembly, wood, fabric, and doping, and general overhaul procedures.
- Meet the technical knowledge requirement for Airframe Maintenance certification, required by Federal Aviation Regulation, Part 65.
- Develop core skills in reading, writing, mathematics, and science reasoning necessary for employment in the aviation maintenance industry

Program Requirements

The prerequisite requirement for this course of study is successful completion of the Certificate of Proficiency in General Aviation Maintenance Technology. Students enroll in this program on a cohort basis and must follow the required course sequence:

AMTA	1076.....Aircraft Metallic Structures.....	6
AMTA	1094.....Aircraft Composite Structures	4
AMTA	1104.....Aircraft Systems I	4
AMTA	2006.....Aircraft Electricity	6
AMTA	2024.....Aircraft Inspection and Rigging	4
AMTA	2044.....Aircraft Systems II	4
AMTA	2064.....Aircraft Instruments and Avionics	4

Required Course Sequence: Students enroll in this program on a cohort basis and must follow the required course sequence.

Summer Semester

AMTA	1076.....Aircraft Metallic Structures.....	6
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Fall Semester

AMTA	1094.....Aircraft Composite Structures	4
AMTA	1104.....Aircraft Systems I	4
AMTA	2006.....Aircraft Electricity	6

AMTA 2064.....Aircraft Instruments and Avionics	4
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Spring Semester

AMTA 2024.....Aircraft Inspection and Rigging.....	4
AMTA 2044.....Aircraft Systems II	4

Technical Certificate in Aviation Powerplant Maintenance Technology

31 Hours

The Powerplant Aviation Maintenance certificate provides students with the knowledge and hours required for the FAA (Federal Aviation Administration) Powerplant certificate. The subjects covered include reciprocating and turbine engine operation theory, lubrication, powerplant electricity, ignition, starting, fire protection, auxiliary power units, engine instruments, induction, exhaust, cooling, fuel systems and fuel metering, propeller operation and overhaul, and powerplant inspection.

Students who successfully complete the Certificate of Proficiency in General Aviation Maintenance Technology and the Technical Certificate in Aviation Powerplant Maintenance Technology classes will be eligible for the FAA “Mechanics Certificate” (Powerplant specialization) testing process.

Job Opportunities

Powerplant Technician Engine Manager Jet Engine Mechanic

Program Goals

- Develop the technical skills expected of a beginning licensed mechanic for the repair, inspection and overhaul of aircraft powerplants, including their electrical components, propellers, ignition systems, lubrication systems, fuel systems, and exhaust systems
- Meet the technical knowledge requirement for Powerplant Maintenance certification, required by Federal Aviation Regulation, Part 65.
- Develop core skills in general education in reading, writing, mathematics, and science reasoning necessary for employment in the aviation maintenance industry.

Program Requirements

The prerequisite requirement for this course of study is successful completion of the Certificate of Proficiency in General Aviation Maintenance Technology. Students enroll in this program on a cohort basis and must follow the required course sequence.

AMTP 1006.....Reciprocating Engines I.....	6
AMTP 1036.....Reciprocating Engines II.....	6
AMTP 1054.....Powerplant Electrical Systems.....	4
AMTP 2016.....Turbine Engines I.....	6
AMTP 2036.....Turbine Engines II.....	6
AMTP 2053.....Propeller Systems	3

Required Course Sequence: Students enroll in this program on a cohort basis and must follow the required course sequence

Spring Semester

AMTP 1006.....Reciprocating Engines I.....	6
AMTP 2053.....Propeller Systems	3

Summer Semester

AMTP 1036.....Reciprocating Engines II.....	6
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Fall Semester

AMTP 1054.....	Powerplant Electrical Systems.....	4
AMTP 2016.....	Turbine Engines I.....	6
AMTP 2036.....	Turbine Engines II.....	6

Associate of Applied Science in Aviation Maintenance Technology

101 Credit Hours

The Aviation Maintenance Technology program provides an up-to-date, intensive training for this occupational field. Students who successfully complete the program, which is certified by the Federal Aviation Administration (FAA) under Title 14 CFR Part 147, meet the training and experience requirements of the FAA for Airframe and/or Powerplant certificate ratings. The number of credit hours is determined by the FAA required hours.

The Aviation Maintenance Technology curriculum is divided into three (3) parts: General, Airframe, and Powerplant. A student enrolling in this course of study must first enroll for the general curriculum. Upon completion of the general section, the student may elect to pursue the Airframe and/or Powerplant section.

Completion of the general curriculum qualifies the student for an Aviation General Certificate of Proficiency. Further successful completion of the Airframe and/or Powerplant courses satisfies FAA requirements of training and experience prior to testing for one or both of these ratings. Students will be awarded technical certificates upon reaching the Airframe and/or Powerplant training milestones. Though not required for FAA certification, Mid-South Community College offers an AAS degree in this field. In order to qualify for the AAS degree, the student must complete the prescribed program of General, Airframe, and Powerplant sections, plus the additional General Education requirements.

Job Opportunities

Maintenance Manager Production Manager Service Manager Engine Manager

Aviation maintenance technicians may expect to gain employment in a wide variety of fields and locations. Various fields include but are not limited to airline, manufacturing, repair station, charter operation, corporate, general aviation, and airport operation. Very lucrative aviation maintenance positions are available in state as well as across the nation and worldwide. Skills sets acquired through the program also directly fit many job requirements for the missiles/defense industry and other technical fields.

Program Goals

In addition to satisfying the General Education Learning Outcomes listed on pages 105-106, program graduates will

- Develop the technical skills necessary for entry-level employment in the aviation maintenance industry including
- Gain a basic understanding of math, physics, and electricity as they apply to aviation maintenance, as well as an introduction to associated tools, drawings and regulations.
- Learn technical skills for the repair, inspection and overhaul of aircraft powerplants, including their electrical components, propellers, ignition systems, lubrication systems, fuel systems, and exhaust systems

- Acquire skills for the repair, maintenance, inspection and overhaul of airframe, including electrical systems, sheet metal, welding, hydraulic systems, rigging and assembly, wood, fabric, and doping, and general overhaul procedures.
- Meet the technical knowledge requirement for mechanic certification, require by Federal Aviation Regulation, Part 65.
- Develop general education in reading, writing, mathematics, and science reasoning applicable to the aviation industry.

Program Requirements

General Education Core (15 hours)

ENGL	1113	English Composition I	3
ENGL	1123	English Composition II	3
ENGL	2303	Oral Communications	3
MATH	1113	College Algebra	3
Social Science Elective			3

MSCC Requirement (5 hours)

BUSN	1201	Career Prep	1
COMP	1113	Computer Fundamentals	3
CSUR	1101	College Survival Skills	1

Technical Requirements (81 hours)

General Aviation Maintenance Requirements (18 hours)

AMTG	1003	Aviation of Math & Physics	3
AMTG	1024	Basic Aviation Electricity	4
AMTG	1033	Aviation Tools, Materials, and Processes	3
AMTG	1054	Aircraft Familiarization	4
AMTG	1074	Aviation Regulations, Documentation, and Drawing	4

Airframe Maintenance Requirements (32 hours)

AMTA	1076	Aircraft Metallic Structures	6
AMTA	1094	Aircraft Composite Structures	4
AMTA	1104	Aircraft Systems I	4
AMTA	2006	Aircraft Electricity	6
AMTA	2024	Aircraft Inspection and Rigging	4
AMTA	2044	Aircraft Systems II	4
AMTA	2064	Aircraft Instruments and Avionics	4

Powerplant Maintenance Requirements (31 hours)

AMTP	1006	Reciprocating Engines I	6
AMTP	1036	Reciprocating Engines II	6
AMTP	1054	Powerplant Electrical Systems	4
AMTP	2016	Turbine Engines I	6
AMTP	2036	Turbine Engines II	6
AMTP	2053	Propeller Systems	3

Recommended Course Sequence

The following course sequence assumes that students are unconditionally enrolled at the time of entry and ensures that students will satisfy the College's core academic and technical requirements

within the specified time frame. Students needing developmental course work should refer to the guidelines for Conditional Enrollment on page 40. Students enroll in this program on a cohort basis and must follow the required course sequence

First Semester (Spring) - General (AMT)

AMTG	1003	Aviation Math and Basic Physics	3	
AMTG	1024	Basic Aviation Electricity	4	
AMTG	1033	Aviation Tools, Materials, and Processes	3	
AMTG	1054	Aircraft Familiarization	4	
AMTG	1074	Aviation Regulations, Documentation, and Drawing	4	
CSUR	1011	College Survival Skills	1	Total 19

Second Semester (Summer) – Airframe (AMT)

AMTA	1076	Aircraft Metallic Structures	6	
COMP	1113	Computer Fundamentals	3	
MATH	1113	College Algebra	3	Total 12

Third Semester (Fall) – Airframe (AMT)

AMTA	1094	Aircraft Composite Structures	4	
AMTA	1104	Aircraft Systems I	4	
AMTA	2006	Aircraft Electricity	6	
AMTA	2064	Aircraft Instruments and Avionics	4	
ENGL	1113	English Composition I	3	Total 21

Fourth Semester (Spring) – Airframe/Powerplant (AMT)

AMTA	2024	Aircraft Inspection and Rigging	4	
AMTA	2044	Aircraft Systems II	4	
AMTP	1006	Reciprocating Engines I	6	
AMTP	2053	Propeller Systems	3	
ENGL	1123	English Composition II	3	Total 20

Fifth Semester (Summer) – Powerplant (AMT)

AMTP	1036	Reciprocating Engines II	6	
ENGL	2303	Oral Communication	3	Total 9

Sixth Semester (Fall) – Powerplant (AMT)

AMTP	1054	Powerplant Electrical Systems	4	
AMTP	2016	Turbine Engines I	6	
AMTP	2036	Turbine Engines II	6	
BUSN	1201	Career Prep	1	
		Social Science Elective	3	Total 20

Professional Pilot

Associate of Applied Science in Professional Pilot

Note: The Associate of Applied Science in Professional Pilot degree program is currently being revised, and as a result, no new enrollments will be accepted at this time.

Business Technology

Certificate of Proficiency in Administrative Office Procedures

15 Credit Hours

The goal of this program is to meet the needs of students seeking short-term occupational training that will prepare them to work in an administrative/office environment in various entry-level positions. The program will also provide certification opportunities for individuals who are currently employed and seeking to further their formal education and training.

Job Opportunities

Various entry-level administrative office positions.

Program Prerequisite

Successful completion of DKEY 1101 Computer Keyboarding or approved proficiency test.

Program Goals

Program completers will

- Demonstrate office administration skills including organization, communication, and storage and retrieval of information
- Apply fundamental knowledge of computers and applications software including Microsoft Word and Excel
- Demonstrate speed and accuracy in computer applications and proofreading skills
- Demonstrate the professional/ethical behaviors of timeliness and self-directed task completion

Program Requirements

The following outline of requirements should be used as a planning worksheet. Students should check course prerequisites carefully while planning their program of study.

Technical Courses

COMP	1113	..... Computer Fundamentals	3
COMP	2003	..... Keyboarding for Professionals	3
COMP	1413	..... Document Processing	3
COMP	1313	..... Spreadsheet Applications*	3
BUSN	1223	..... Administrative Office Procedures	3

**Microsoft Office Specialist (MOS) examination required.*

Associate of Applied Science in Business Technology

62-63 Credit Hours

Students choosing this major will obtain a core of general education and fundamental business skills and knowledge. Two concentrations of study are provided: Business Administration, which provides a basic understanding of business, economics and accounting issues, and Applications Specialist, which provides a basic understanding of business issues and prepares students for Microsoft Office Specialist® certification.

Students planning to transfer to a four-year institution should note two possible options. Those planning to transfer to bachelor of science degrees in business should complete the Associate of Science

Degree. Students should verify, in advance, which electives their transfer institution of choice will accept. Students planning to transfer to the University of Arkansas – Fort Smith’s Bachelor of Applied Science degree may prefer to complete an Associate of Applied Science in Business Technology.

Job Opportunities

Office Manager	Applications Management Specialist
Office Support Technician	Small Business Manager

Program Goals

In addition to satisfying the General Education Learning Outcomes listed on pages 105-106, program graduates will

- Apply the skillful use of common tools and technology relevant to their field of study
- Demonstrate the professional/ethical behaviors of punctuality, of regular attendance, of respect for supervisors and co-workers, and of self-directed task completion
- Plan and document, using grammar and language appropriate to the workplace, a business project that is comprehensive, logical, and attainable

AAS in Business Technology, Business Administration Option

The following outline of requirements should be used as a planning worksheet. Students should take care to check course descriptions and prerequisites in planning their program of study.

General Education Core (15-16 hours)

Communication (9 hours required)

ENGL	1133.....	English Composition I	.....	3
ENGL	1123.....	English Composition II.....	.....	3
<i>or</i>				
ENGL	1133.....	Writing for the Workplace.....	.....	3
ENGL	2303.....	Oral Communication	.....	3

Mathematics (3-4 hours required, select one class)

DMTH	1034.....	Developmental Mathematics III	.....	4
MATH	1104.....	Applied Technical Math	.....	4
MATH	1113.....	College Algebra	.....	3

Social Science (3 hours required, select one)

HIST	2123.....	U.S. History Before 1877.....	.....	3
HIST	2133.....	U.S. History After 1877	.....	3
POLS	1143.....	American Government	.....	3
SOCI	1303.....	Intro to Sociology.....	.....	3
PSYC	1403.....	Intro to Psychology	.....	3

MSCC Requirements (4 hours)

CSUR	1101.....	College Survival Skills	.....	1
COMP	1113.....	Computer Fundamentals	.....	3

Technical Core (22 hours)

BUSN	1103.....	Introduction to Business	.....	3
BUSN	1143.....	Business Communication.....	.....	3

BUSN	1201	..... Career Preparation	1
BUSN	1303	..... Business Mathematics	3
BUSN	1453	..... Human Resource Management	3
BUSN	2033	..... Legal Environment of Business	3
BUSN	2993	..... Capstone Learning Experience	3
<i>or</i>			
BUSN	2133	..... Introduction to Project Management.....	3
COMP	1413	..... Document Processing	3

General Electives (3 hours)

Any course not taken to satisfy another state program requirement

Recommended General Electives

BUSN	2143	..... Business Logistics	3
BUSN	2043	..... Supervisor Safety Management	3

Any BUSN, COMP or general education courses not used to satisfy a state degree requirement.

Students should choose additional courses from the following:

Business Administration (BA) Concentration (18 hours)

BUSN	1203	..... Basic Marketing	3
BUSN	1423	..... Principles of Accounting I	3
BUSN	1433	..... Principles of Accounting II	3
BUSN	2113	..... Principles of Management.....	3
ECON	2213	..... Macroeconomics.....	3
ECON	2223	..... Microeconomics	3

Recommended Course Sequence

The following course sequence assumes that students are unconditionally enrolled at the time of entry and ensures that students will satisfy the College’s core academic and technical requirements within the specified time frame. Students needing developmental course work should refer to the guidelines for Conditional Enrollment on page 40.

Note: All students must complete ENGL 1113 English Composition I, either DMTH 1034 Developmental Math III, MATH 1104 Applied Tech Math, or MATH 1113 College Algebra, BUSN 1103 Introduction to Business, and COMP 1113 Computer Fundamentals within the first 30 hours of college-level enrollment.

Business Administration

1st Year, 1st Semester

BUSN	1103	..... Intro to Business	3
BUSN	1453	..... Human Resource Management	3
CSUR	1101	..... College Survival Skills	1
ENGL	1113	..... English Composition I.....	3
DMTH	1034	..... Developmental Mathematics III	4
<i>or</i>			
MATH	1104	..... Applied Technical Math	4
<i>or</i>			
MATH	1113	..... College Algebra	3
COMP	1113	..... Computer Fundamentals	3

Total 16-17

1st Year, 2nd Semester

BUSN	1143	Business Communication	3	
BUSN	2033	Legal Environment of Business	3	
ENGL	1123	English Composition II	3	
<i>or</i>				
ENGL	1133	Writing for the Workplace	3	
COMP	1413	Document Processing	3	
Social Science Elective			3	Total 15

2nd Year, 1st Semester

BUSN	1303	Business Mathematics	3	
BUSN	1423	Principles of Accounting I	3	
BUSN	2113	Principles of Management	3	
ECON	2213	Macroeconomics	3	
ENGL	2303	Oral Communication	3	Total 15

2nd Year, 2nd Semester

BUSN	1201	Career Preparation	1	
BUSN	1203	Basic Marketing	3	
BUSN	1433	Principles of Accounting II	3	
BUSN	2223	Microeconomics	3	
BUSN	2993	Capstone Learning Experience	3	
<i>or</i>				
BUSN	2133	Introduction to Project Management	3	
General Elective			3	Total 16

AAS in Business Technology, Applications Specialist Option

The following outline of requirements should be used as a planning worksheet. Students should take care to check course descriptions and prerequisites in planning their program of study.

General Education Core (15 hours)

Communication (9 hours required)

ENGL	113	English Composition I	3	
ENGL	1123	English Composition II	3	
<i>or</i>				
ENGL	1133	Writing for the Workplace	3	
ENGL	2303	Oral Communication	3	

Mathematics (3-4 hours required, select one class)

DMTH	1034	Developmental Mathematics III	4	
MATH	1104	Applied Technical Math	4	
MATH	1113	College Algebra	3	

Social Science (3 hours required, select one)

HIST	2123	U.S. History Before 1877	3	
HIST	2133	U.S. History After 1877	3	
POLS	1143	American Government	3	
SOCI	1303	Intro to Sociology	3	
PSYC	1403	Intro to Psychology	3	

MSCC Requirements (4 hours)

CSUR	1101.....	College Survival Skills	1
COMP	1113.....	Computer Fundamentals	3

Technical Core (22 hours)

BUSN	1103.....	Introduction to Business	3
BUSN	1143.....	Business Communication.....	3
BUSN	1201.....	Career Preparation	1
BUSN	1303.....	Business Mathematics	3
BUSN	1453.....	Human Resource Management	3
BUSN	2033.....	Legal Environment of Business	3
BUSN	2993.....	Capstone Learning Experience	3

or

BUSN	2133.....	Introduction to Project Management.....	3
COMP	1413.....	Document Processing	3

General Electives (3 hours)

Any course not taken to satisfy another state program requirement

Recommended General Electives

BUSN	2143.....	Business Logistics	3
BUSN	2043.....	Supervisor Safety Management	3

Any BUSN, COMP, or general education course not used to satisfy a stated degree requirement.

Applications Specialist (AS) Concentration (18 hours)

COMP	1213.....	Database Applications*	3
COMP	1313.....	Spreadsheet Applications*	3
COMP	2003.....	Keyboarding for Professionals	3
COMP	2013.....	Presentation Applications*	3
BUSN	1223.....	Administrative Office Procedures.....	3
COMP	2503.....	Advanced Document Processing*	3

*Microsoft Office Specialist (MOS) examination required.

Recommended Course Sequence

The following course sequence assumes that students are unconditionally enrolled at the time of entry and ensures that students will satisfy the College’s core academic and technical requirements within the specified time frame. Students needing developmental course work should refer to the guidelines for Conditional Enrollment on page 40.

Note: All students must complete ENGL 1113 English Composition I, either DMTH 1034 Developmental Math III, MATH 1104 Applied Tech Math, or MATH 1113 College Algebra, BUSN 1103 Introduction to Business, and COMP 1113 Computer Fundamentals within the first 30 hours of college-level enrollment.

1st Year, 1st Semester

BUSN	1103	Intro to Business	3
BUSN	1453.....	Human Resource Management	3
CSUR	1101	College Survival Skills	1
DMTH	1034	Developmental Mathematics III	4
<i>or</i>			
MATH	1104.....	Applied Technical Math	4
<i>or</i>			
MATH	1113.....	College Algebra	3

ENGL 1113.....	English Composition I.....	3	
COMP 1113.....	Computer Fundamentals	3	Total 16-17

1st Year, 2nd Semester

BUSN 2033.....	Legal Environment of Business	3	
COMP 1413.....	Document Processing	3	
COMP 2003.....	Keyboarding for Professionals	3	
ENGL 1123.....	English Composition II.....	3	
<i>or</i>			
ENGL 1133.....	Writing for the Workplace	3	
Social Science Elective....	.....	3	Total 15

2nd Year, 1st Semester

BUSN 1143.....	Business Communication.....	3	
BUSN 1303.....	Business Mathematics	3	
ENGL 2303.....	Oral Communication	3	
COMP 2013.....	Presentation Applications.....	3	
COMP 2503.....	Advanced Document Processing	3	Total 15

2nd Year, 2nd Semester

BUSN 1201.....	Career Preparation	1	
BUSN 1223.....	Administrative Office Procedures.....	3	
COMP 1213.....	Database Applications	3	
COMP 1313.....	Spreadsheet Applications	3	
BUSN 2993.....	Capstone Learning Experience.....	3	
<i>or</i>			
BUSN 2133.....	Introduction to Project Management.....	3	
General Elective .....	.....	3	Total 16

Associate of Science in Business

62 Credit Hours

The Associate of Science degree includes the state minimum core, but differs from the Associate of Arts degree and the Associate of Applied Science degree in that students are required to take additional hours in math and science and are allowed a wider choice of elective courses.

Students choosing this major will obtain a core of general education and fundamental business skills and knowledge designed for those intending to pursue a bachelor’s degree in the field of business at a four-year Arkansas institution.

Credits earned in the State Minimum Core are transferable to all Arkansas public institutions of higher education. Students seeking the Associate of Science degree should refer to the curriculum requirements of the intended transfer institution when selecting courses to ensure maximum transfer credit. Students taking courses beyond the core, or students planning to transfer to out-of-state institutions, should follow the curriculum advised by the transfer institution and obtain written assurance, in advance, of the transferability of credits earned at MSCC. Credits earned in the Business Core Requirements provide a basic understanding of business, economics and accounting issues.

The following schools accept this completed degree in its entirety: Arkansas State University, Arkansas Tech University, Henderson State University, Harding University, University of Central

Arkansas, University of Arkansas Fort Smith, University of Arkansas Little Rock, University of Arkansas Monticello, University of Arkansas at Pine Bluff and Southern Arkansas University.

In compliance with Arkansas law, all associate degree students are tested on their learning in the general education curriculum. Students who complete 45-60 hours in the Associate of Science degree program will be tested prior to graduation for proficiency in mathematics, writing, reading, and scientific reasoning. Students eligible for the tests will be notified of testing dates and times. Students attending Arkansas public colleges and universities must present test scores in order to continue their education above the sophomore level.

Program Goals

In addition to satisfying the General Education Learning Outcomes, program graduates will

- Apply critical thinking, problem solving and technology skills to explore solutions to business-related issues.
- Apply the skillful use of common tools and technology relevant to their field of study.
- Demonstrate the professional/ethical behaviors of punctuality, of regular attendance, of respect for supervisors and co-workers, and of self-directed task completion.
- Plan and document, using grammar and language appropriate to the workplace, a business project that is comprehensive, logical, and attainable.
- Demonstrate the ability to analyze and interpret scientific principles and modes of inquiry.

Degree Requirements

The following outline of requirements should be used as a planning worksheet. Students should check course descriptions and prerequisites in planning their program of study. The recommended outline assumes that students are unconditionally enrolled at the time of entry and ensures that students will satisfy the College's academic requirements within the specified time frame. Students needing developmental coursework should refer to the guidelines for Conditional Enrollment on page 40.

Note: Students seeking an Associate of Science who are conditionally admitted must successfully complete, with a cumulative 2.0 GPA, the following twelve (12) hours of core academic courses within the first thirty (30) hours of college-level enrollment (students who fail to do so will not be permitted to enroll in additional courses until these requirements are met).

General Education Core (35 hours)

English (6 hours required)

ENGL 1113.....English Composition I..... 3
ENGL 1123.....English Composition II..... 3

Oral Communications (3 hours required)

ENGL 2303.....Oral Communications 3

Mathematics (3 hours required)

MATH 1113.....College Algebra 3

Science Requirements (8 hours required)

BIOL 1114/1110.....General Biology/Lab..... 4
PSCI 1214/1210.....Physical Science/Lab 4

Fine Arts Elective (3 hours required)**Select one class**

ARTS	1103	..... Art Appreciation.....	3
ARTS	1123	..... Intro to Theatre.....	3
MUSC	1103	..... Music Appreciation.....	3

Literature Elective (3 hours required)**Select one class**

ENGL	2153	..... World Literature I	3
ENGL	2163	..... World Literature II	3

History/Social Science Electives (9 hours required)**Select one class**

HIST	2123	..... U.S. History Before 1877	3
HIST	2133	..... U.S. History After 1877	3
POLS	1143	..... American Government	3

Select one class

HIST	1153	..... World Civilization I	3
HIST	1163 World Civilization II	3

Sociology (3 hours required)

SOCI	1303 Introduction to Sociology	3
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Directed Elective (3 hours required)

CSUR	1101 College Survival Skills	1
HPED	1702 Concepts of Physical Activity	2

Business Core Requirements (24 hours required)

BUSN	1423	..... Principles of Accounting I	3
BUSN	1433	..... Principles of Accounting II	3
BUSN	2033	..... Legal Environment of Business	3
COMP	1113	..... Computer Fundamentals	3
ECON	2213	..... Macroeconomics.....	3
ECON	2223	..... Microeconomics	3
MATH	2103	..... Survey of Calculus.....	3
MATH	2133	..... Introduction to Statistics	3

Note: Acceptance of electives in transfer toward baccalaureate degree requirements at out-of state institutions is solely at the discretion of the receiving institution. Students planning to transfer elective credit to four-year institutions outside Arkansas should contact the MSCC Registrar's Office or the Admissions Office of the transfer institution before enrolling in an elective to verify transferability to specific institutions.

Recommended Course Sequence

The following outline of requirements should be used as a planning worksheet. Students should check course descriptions and prerequisites in planning their courses of study. The recommended outline assumes that students are unconditionally enrolled at the time of entry and ensures that students will satisfy the College's academic requirements within the specified time frame. Students needing developmental course work should refer to the guidelines for Conditional Enrollment on page 40. **Note:** All students must complete ENGL 1113 English Composition I, MATH 1113 College Algebra, and COMP 1113 Computer Fundamentals within the first 30 hours of college-level enrollment.

1st Year, 1st Semester

BIOL	1114/1110 General Biology/Lab	4
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COMP	1113	Computer Fundamentals	3	
ENGL	1113	English Composition I	3	
ENGL	2303	Oral Communication	3	
MATH	1113	College Algebra	3	
CSUR	1101	College Survival Skills	1	Total 17

1st Year, 2nd Semester

ENGL	1123	English Composition II	3	
		Literature Elective	3	
MATH	2133	Introduction to Statistics	3	
PSCI	1214/1210	Physical Science/Lab	4	
SOCI	1303	Introduction to Sociology	3	Total 16

2nd Year, 1st Semester

BUSN	1423	Principles of Accounting I	3	
HPED	1702	Concepts of Physical Activity	2	
ECON	2213	Macroeconomics	3	
		Fine Arts Elective	3	
		History Elective	3	Total 14

2nd Year, 2nd Semester

BUSN	1433	Principles of Accounting II	3	
BUSN	2033	Legal Environment of Business	3	
		History Elective	3	
ECON	2223	Microeconomics	3	
MATH	2103	Survey of Calculus	3	Total 15

Diesel Maintenance Technology

Certificate of Proficiency in Heavy Truck Diesel Maintenance

16 Credit Hours

The Certificate of Proficiency in Heavy Truck Diesel Maintenance provides students with the technical skills needed to perform basic maintenance for heavy truck engines, electrical systems and brake systems. Hours earned in this program will also apply toward completion of a Technical Certificate in Heavy Truck Diesel Maintenance.

Job Opportunities

- | | |
|--|---------------------------------|
| Mechanic (small shops) | Fleet Technicians (large shops) |
| Lead Technicians (trucking companies) | Shop Foreman (dealerships) |
| Specialty Technicians (dealerships Part Technicians) | |

Program Goals

Program graduates will be able to

- Know and apply the terminology common to heavy truck/diesel mechanics
- Apply the skillful use of common tools, test equipment, and technology for preventive maintenance
- Troubleshoot and repair electrical and brake systems
- Demonstrate the professional/ethical behaviors of timeliness and self-directed task completion

Program Requirements

The following outline of requirements should be used as a planning worksheet. Students should take care to check course prerequisites in planning their program of study.

HTDM 1014	Preventive Maintenance	4
HTDM 1034	Brake Systems	4
HTDM 1054	Diesel Engines I	4
HTDM 1094	Diesel Engines II	4

Technical Certificate in Diesel Maintenance Technology

41 Hours

The Technical Certificate in Diesel Maintenance provides students with the technical skills expected in an entry-level position as a truck technician. Hours earned in this program will also apply toward completion of an Associate of Applied Science in General Technology.

Job Opportunities

Heavy Truck/Diesel Mechanic	Service Writer	Specialty Technician
Parts Manager	Shop Supervisor	
Service Technician	Service Manager	

Program Goals

In addition to satisfying the General Education Learning Outcomes listed on pages 105-106, program graduates will be able to

- Know and apply the terminology common to heavy truck/diesel mechanics
- Apply the skillful use of common tools, test equipment, and technology for preventive maintenance
- Troubleshoot and repair fundamental heavy truck systems
- Demonstrate the professional/ethical behaviors of timeliness and self-directed task completion

Program Requirements

The following outline of requirements should be used as a planning worksheet. Students should take care to check course prerequisites in planning their program of study.

Program Prerequisite (3 hours)

COMP 1113 Computer Fundamentals or documented evidence of requisite computer knowledge and skills. Students without the required computer knowledge and skills may take COMP 1113 as a general elective during the first semester of enrollment.

General Education Core (7 hours)

ENGL 1113	English Composition I	3
DMTH 1034	Developmental Math III	4
or		
MATH 1104	Applied Technical Math	4

College Requirement (1 hour)

CSUR 1101	College Survival Skills	1
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Technical Requirements (34 Hours)

HTDM 1014	Preventive Maintenance	4
HTDM 1024	Electrical Systems	4
HTDM 1034	Brake Systems	4
HTDM 1044	Electrical Systems II	4
HTDM 1054	Diesel Engines I	4
HTDM 1063	HVAC Systems	3
HTDM 1073	Steering and Suspension	3
HTDM 1084	Powertrain	4
HTDM 1094	Diesel Engines II	4

Digital Media

60/61 Credit Hours

Associate of Applied Science in Digital Media

Job Opportunities

Video Technician Camera Technician Audio Technician

Program Goals

In addition to the General Education Learning Outcomes listed on pages 105-106, Associate of Applied Science in Digital Media graduates are expected to satisfy the following Program Goals:

- Operate professional, high-definition video equipment and compulsory accessories.
- Compose cinematic shots that demonstrate adequate knowledge of camera angles, focal length, and the various types of shots.
- Utilize non-linear editing software to edit videos that evidence familiarity with the concepts of importing, exporting, cutting, transitioning, matching action, and creating text.
- Identify basic cinematic terminology and explain the requirements and duties of various roles on a film set such as director, editor, and cinematographer
- Demonstrate basic proficiency in screenwriting techniques, audio production and with editing equipment.
- Use screenwriting software to compose story ideas.
- Produce recorded content in a studio and field environment

The following outline of requirements should be used as a planning worksheet. Students should check course descriptions and prerequisites in planning their courses of study.

State Minimum Core (18 hours)

Communications (9 hours required)

ENGL 1113	English Composition I	3
ENGL 1123	English Composition II	3
or		
ENGL 1133	Writing for the Workplace	3
ENGL 2303	Oral Communication	3

Computer Skills (3 hours required)

COMP 1113 Computer Fundamentals3

Mathematics (3/4 hours required)**Choose one**

DMTH 1034 Developmental Mathematics III4

MATH 1104 Applied Technical Math4

MATH 1113 College Algebra3

Social Science (3 hours required)**Choose one**

HIST 2123 U.S. History Before 18773

HIST 2133 U.S. History After 18773

POLS 1143 American Government3

PSYC 1403 Introduction to Psychology3

SOCL 1303 Introduction to Sociology3

MSCC Requirement (1 hour required)

CSUR 1101 College Survival Skills1

Technical Core (38 hours required)

ARTS 1013 Intro to Film3

BUSN 1203 Basic Marketing3

DIGM 1033 Film & Video Production3

DIGM 1043 Audio Production3

DIGM 1053 Screenwriting3

DIGM 2003 Cinematography3

DIGM 2033 Producing and Directing3

DIGM 2073 Advanced Digital Graphics3

DIGM 2042 Digital Radio2

ISTC 1053 Intro to Web Page Design3

ISTC 2123 Digital Graphics for the Web3

ISTC 2266 Web Design & Methodology6

Electives (3 hours required)

ARTS 1123 Introduction to Theater3

ENGL 2213 Creative Writing3

Recommended Course Sequence

The following course sequence assumes that students are unconditionally enrolled at the time of entry and ensures that students will satisfy the College's core academic and technical requirements within the specified time frame. Students needing developmental course work should refer to the guidelines for Conditional Enrollment on page 40.

Note: All students must complete ENGL 1113 English Composition I, MATH 1113 College Algebra, COMP 1113 Computer Fundamentals and ARTS 1013 Intro to Film within the first 30 hours of college-level enrollment.

1st Year, 1st Semester

ARTS 1013 Intro to Film3

COMP 1113	Computer Fundamentals	3	
CSUR 1101	College Survival Skills	1	
DIGM 1033	Film & Video Production	3	
ENGL 1113	English Composition I.....	3	
History/Social Science Requirement.....		3	Total 16
1st Year, 2nd Semester			
DIGM 1043	Audio Production	3	
DIGM 1053	Screenwriting	3	
ENGL 1123	English Composition II.....	3	
or			
ENGL 1133	Writing for the Workplace	3	
ISTC 1053	Intro to Web Page Design	3	
MATH 1104	Applied Technical Math	4	
or			
MATH 1113	College Algebra	3	Total 15/16
2nd Year, 1st Semester			
ENGL 2303	Oral Communication.....	3	
DIGM 2003	Cinematography	3	
ISTC 2123	Digital Graphics for the Web	3	
ISTC 2266	Web Design & Methodology.....	6	Total 15
2nd Year, 2nd Semester			
BUSN 1203	Basic Marketing	3	
DIGM 2033	Producing and Directing	3	
DIGM 2073	Advanced Digital Graphics	3	
DIGM 2042	Digital Radio	2	
Elective.....		3	Total 14

Certificate of Proficiency in Film and Video Production

12 Credit Hours

The Certificate of Proficiency in Film and Video Production provides students with the opportunity to study the craft of film and video production and prepare for entry-level positions in the industry.

Job Opportunities

Video Technician Camera Technician Audio Technician

Program Goals

Program graduates will be able to

- Operate professional, high-definition video equipment and compulsory accessories.
- Compose cinematic shots that demonstrate adequate knowledge of camera angles, focal length, and the various types of shots.
- Utilize non-linear editing software to edit videos that evidence familiarity with the concepts of importing, exporting, cutting, transitioning, matching action, and creating text.
- Identify basic cinematic terminology and explain the requirements and duties of various roles on a film set such as director, editor, and cinematographer
- Demonstrate basic proficiency in screenwriting techniques, audio production and with editing equipment.

- Use screenwriting software to compose story ideas.
- Produce recorded content in a studio and field environment.

Program Requirements

The following outline of requirements should be used as a planning worksheet. Students should take care to check course prerequisites in planning their program of study.

ARTS	1013	..... Introduction to Film	3
DIGM	1033	..... Film and Video Production	3
DIGM	1043	..... Audio Production.....	3
DIGM	1053	..... Screenwriting	3

Education

The Arkansas State Board of Education recently adopted new licensure standards/requirements for educator preparation programs for grades K-6 (formerly P-4) and middle-level, effective Fall 2015. As a result, the Associate of Arts in Teaching must be revised and approved by the Arkansas Department of Higher Education before new students may enter the program. For the 2014-2105 academic year, students will be advised to enroll in the Associate of Arts. Assistance is available in the Advising Success Center.

General Education

Associate of Arts in General Education

60 credit Hours

An associate of arts (AA) degree is designed for students who wish to complete the first two years of a baccalaureate degree and transfer to a four-year institution. The AA degree in General Education at MSCM requires 60 credit hours.

Credits earned in the 35-hour State Minimum Core are transferable to all Arkansas public institutions of higher education. Students taking courses beyond the core, or students planning to transfer to out-of-state institutions, should follow the curriculum advised by the transfer institution and obtain written assurance, in advance, of the transferability of credits.

In compliance with Arkansas law, all college students are tested on their learning in the general education curriculum. Students who complete 45 to 60 hours in the Associate of Arts degree program will be tested prior to graduation for proficiency in mathematics, writing, reading, and scientific reasoning. Students eligible for the tests will be notified of testing dates and times. Students attending Arkansas public colleges and universities must present test scores in order to continue their education above the sophomore level.

The following outline of requirements should be used as a planning worksheet. Students should check course descriptions and prerequisites in planning their courses of study.

Program Goals

In addition to the General Education Learning Outcomes listed on pages 105-106, Associate of Arts in General Education students are expected to satisfy the following program goal:

- Demonstrate the ability to analyze and interpret scientific principles and modes of inquiry.

Associate of Arts in General Education

State Minimum Core (35 hours)

English (6 hours required)

ENGL 1113	English Composition I	3
ENGL 1123	English Composition II	3

Mathematics (3 hours required, select one class)

MATH 1113	College Algebra	3
MATH 2115	Calculus I	5

Science (8 hours required)

Select one class and lab

BIOL 1114/1110	General Biology/Lab	4
BIOL 1214/1210	Anatomy and Physiology I/Lab	4

Select one class and lab

CHEM 1314/1310	Chemistry I/Lab	4
PSCI 1214/1210	Physical Science/Lab	4
PSCI 1254/1250	Physics/Lab	4

Fine Arts/Humanities (9 hours required)

Select one class

ARTS 1103	Art Appreciation	3
ARTS 1123	Intro to Theatre	3
MUSC 1103	Music Appreciation	3

Select two classes

ENGL 2153	World Literature I	3
ENGL 2163	World Literature II	3
PHIL 2013	Introduction to Philosophy	3

U.S. History/Government (3 hours required)

Select one class

POLS 1143	American Government	3
HIST 2123	U.S. History Before 1877	3
HIST 2133	U.S. History After 1877	3

Social Sciences (6 hours required)

Select one class

HIST 1153	World Civilization I	3
HIST 1163	World Civilization II	3

Select one class

ANTH 2013	Cultural Anthropology	3
GEOG 1133	World Geography	3
PSYC 1403	Introduction to Psychology	3
SOCI 1303	Introduction to Sociology	3

Directed Electives (15 hours required)**Select 15 credit hours not taken to satisfy General Education Core requirements listed previously.**

Note: Acceptance of electives in transfer toward baccalaureate degree requirements at out-of-state institutions is solely at the discretion of the receiving institution. Students planning to transfer elective credit to four-year institutions outside Arkansas should contact the MSCC Registrar’s Office or the Admissions Office of the transfer institution before enrolling in an elective to verify transferability to specific institutions.

ANTH	2013	Cultural Anthropology	3
BIOL	1124	Plant Biology/Lab	4
BIOL	1214/1210	Anatomy and Physiology I/Lab	4
BIOL	1224/1220	Anatomy and Physiology II/Lab	4
BIOL	2504	Microbiology	4
CHEM	1314/1310	Chemistry I/Lab	4
CHEM	1324/1320	Chemistry II/Lab	4
CJUS	1003	Introduction to Criminal Justice	3
ECON	2213	Macroeconomics	3
ECON	2223	Microeconomics	3
ENGL	2183	American Literature I	3
ENGL	2193	American Literature II	3
ENGL	2213	Creative Writing	3
GEOG	1133	World Geography	3
HIST	2153	Arkansas History	3
MATH	2103	Survey of Calculus	3
MATH	2115	Calculus I	5
MATH	2124	Calculus II	4
PHIL	2013	Introduction to Philosophy	3
PSCI	1114	Physical Science/Lab	4
PSCI	1224	Earth Science/Lab	4
PSCI	1254	Physics/Lab	4
PSYC	1403	Introduction to Psychology	3
PSYC	2413	Human Development	3
SOCI	1303	Introduction to Sociology	3
SPAN	1113	Spanish I	3
SPAN	1123	Spanish II	3

MSCC Degree Requirements (10 hours)**Communication (3 hours)**

ENGL	2303	Oral Communication	3
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Physical Education (3 hours required)

HPED	1113	Health and Safety	3
HPED	1702	Concepts of Physical Activity	2
		Physical Activity Class	1

College Success (4 hours required)

COMP	1113	Computer Fundamentals	3
CSUR	1101	College Survival Skills	1

Recommended Course Sequence

The following outline of requirements should be used as a planning worksheet. Students should check course descriptions and prerequisites in planning their courses of study. The recommended outline assumes that students are unconditionally enrolled at the time of entry and ensures that students will satisfy the College's academic requirements within the specified time frame. Students needing developmental course work should refer to the guidelines for Conditional Enrollment on page 40.

Note: Students seeking an Associate of Arts who are conditionally admitted must successfully complete, with a cumulative 2.0 GPA, the following twelve (12) hours of core academic courses within the first thirty (30) hours of college-level enrollment (students who fail to do so will not be permitted to enroll in additional courses until these requirements are met):

ENGL 1113 English Composition I	POLS 1143 American Government or
MATH 1113 College Algebra/higher math	HIST 2123 U.S. History Before 1877 or
ENGL 1123 English Composition II	HIST 2133 U.S. History After 1877

1st Year, 1st Semester

COMP 1113 Computer Fundamentals	3	
CSUR 1101 College Survival Skills	1	
ENGL 1113 English Composition I.....	3	
MATH 1113 College Algebra	3	
Physical Education Elective/s.....	3	Total 13

1st Year, 2nd Semester

American Government or U.S. History Elective	3	
ENGL 1123 English Composition II.....	3	
Fine Arts/Humanities Electives	6	
Science Elective.....	4	Total 16

2nd Year, 1st Semester

Directed Electives.....	6	
ENGL 2303 Oral Communication.....	3	
Science Elective.....	4	
Social Science Elective.....	3	Total 16

2nd Year, 2nd Semester

Directed Electives.....	9	
Fine Arts/Humanities Elective.....	3	
Social Science Elective.....	3	Total 15

General Technology

Associate of Applied Science in General Technology

61-62 Credit Hours

The Associate of Applied Science in General Technology provides students with the opportunity to complete an individualized program of study to fulfill a unique career goal by combining general

education with specific technical knowledge and skills in preparation for employment or career advancement in industrial settings. A core of general education courses is required with at least 24 and no more than 30 technical credit hours must be from one technical area. Remaining credit hours (15-21) may be drawn from one or two related areas. Students may apply hours earned in approved technical certificate programs or receive portfolio credit for professional certifications or work experience toward the degree requirements. A maximum of 30 credits, but no more than nine (9) credits in the major technical area, however, may be earned through portfolio credit or credit by examination. Guidelines for developing credit portfolios are available from the Associate Vice President for Workforce Programs or the Academic Affairs Office, and validation of portfolio experience is dependent upon the approval of the Associate Vice President for Workforce Programs with input from the appropriate program advisory committee members.

Students choosing the AAS in General Technology must have their programs of study approved **in advance** by the Registrar. Guidelines for developing credit portfolios are available from the Registrar's Office or the Academic Affairs Office, and validation of portfolio experience is dependent upon the approval of the Associate Vice President for Workforce Programs with input from the appropriate program advisory committee members.

Program Goals

In addition to satisfying the General Education Learning Outcomes listed on pages 105-106, program graduates will

- Know and be able to apply the terminology and conceptual frameworks related to common organizational structures and basic operations in the workplace
- Have the technical skills expected of entry-level employees in their field of study
- Demonstrate the professional/ethical behaviors of punctuality, of regular attendance, of respect for supervisors and co-workers, and of self-directed task completion

Other specific technical goals may apply depending upon the student's choice of major technical area.

Note: All students must complete ENGL 1113 English Composition I; DMTH 1034 Developmental Math III, MATH 1104 Applied Technical Math, or MATH 1113 College Algebra; and two technical courses to be approved by the Registrar within the first 30 hours of college-level enrollment

Students choosing the AAS in General Technology must meet with the Registrar to obtain an approved degree plan which includes a minimum of 15 approved general education core credits and 43-45 approved technical credits.

Hospitality Management

Created as a partnership between Mid-South Community College and Southland Park Gaming and Racing, the Hospitality Management programs include a certificate of proficiency, technical certificate, associate of science and associate of applied science degrees. The primary focus of the programs is to serve the needs of the ever-growing hospitality industry in general and Southland Park and Gaming in

particular. The University of Memphis Kemmons Wilson School of Hospitality and Resort Management is partnering with MSCC for a seamless transfer of the Associate of Science Degree.

Depending upon their choice of program(s), students may earn one or more of the following National Restaurant Association Educational Foundation industry certifications:

- Controlling Foodservice Costs – Food and Beverage Cost Controls
- Hospitality and Restaurant Management – Restaurant Layout & Design
- Hospitality Human Resources Management and Supervision – Hospitality Human Resource Management
- ServSafe Food Protection Manager – Food Service Management.

Certificate of Proficiency in Food Service Management

12 hours

Job Opportunities

Food Preparation/Crew leader Assistant Cooks/Line Cooks

Program Goals

Program graduates are expected to satisfy the following:

- Acquire a fundamental understanding of hotel, lodging, housekeeping, and food services management
- Demonstrate the professional/ethical behaviors of punctuality, of regular attendance, of respect for supervisors and co-workers, and of self-directed task completion
- Successfully apply learned theory and principles in practical applications relevant to the hospitality industry.

Certificate of Proficiency in Food Service Management

HMGT 1013	Applications of Food Service Management in the Hospitality Industry*	3
HMGT 1143	Food Service Management	3
HMGT 1513	Nutrition and Menu Planning	3
HMGT 2023	Food and Beverage Cost Controls.....	3

*This course does not apply toward the technical certificate or the associate degrees.

Certificate of Proficiency in Hospitality Management

18 hours

Job Opportunities

Food Service Supervisor/Assistant Manager	Housekeeping Supervisor/Assistant Manager
Restaurant Supervisor/Assistant Manager	Front Desk Supervisor/Assistant Manager
Food and Beverage Supervisor/Assistant Manager	

Program Goals

Program graduates are expected to satisfy the following:

- Acquire a fundamental understanding of hotel, lodging, housekeeping, and food services management

- Apply the skillful use of common tools and technology relevant to their field of study
- Demonstrate the professional/ethical behaviors of punctuality, of regular attendance, of respect for supervisors and co-workers, and of self-directed task completion
- Successfully apply learned theory and principles in practical applications relevant to the hospitality industry.
- Successfully pass the National Restaurant Association ServSafe Food Protection Manager Certification exam.

The following outline of requirements should be used as a planning worksheet. Students should check course descriptions and prerequisites in planning their courses of study.

Certificate of Proficiency in Hospitality Management*

HMGT 1003	.....Introduction to Hospitality and Tourism Management	3
HMGT 1033	.....Hotel, Lodging and Housekeeping Management.....	3
HMGT 1043	.....Professionalism in Hospitality.....	3
HMGT 1143	.....Food Service Management.....	3
HMGT 1413	.....Gaming and Casino Management.....	3
HMGT 2003	.....Service Industry Structure and Leadership.....	3

*Please note that all courses apply toward the AAS degree, but not to the Technical Certificate in Food Service Management.

Technical Certificate in Food Service Management

32/33 Hours

Job Opportunities

Food Preparation/Crew leader	Restaurant Supervisor/Assistant Manager
Assistant Cooks/Line Cooks	Food and Beverage Supervisor/Assistant Manager
Food Service Supervisor/Assistant Manager	

Program Goals

In addition to the General Education Learning Outcomes listed on pages 105-106, Technical Certificate graduates are expected to satisfy the following Program Goals:

- Acquire a fundamental understanding of hotel, lodging, housekeeping, and food services management
- Apply the skillful use of common tools and technology relevant to their field of study
- Demonstrate the professional/ethical behaviors of punctuality, of regular attendance, of respect for supervisors and co-workers, and of self-directed task completion
- Successfully apply learned theory and principles in practical applications relevant to the hospitality industry.
- Successfully pass the National Restaurant Association ServSafe Food Protection Manager Certification exam, the National Restaurant Association Controlling Foodservice Costs certification exam, the NRAEF Hospitality Human Resources certification exam, the NRAEF Hospitality and Restaurant Management certification exam, and the NRAEF ServSafe Alcohol certification exam.

The following outline of requirements should be used as a planning worksheet. Students should check course descriptions and prerequisites in planning their courses of study.

Communication (6 hours required)

ENGL 1113	.....English Composition I.....	3
ENGL 2303	.....Oral Communication.....	3

Mathematics (3/4 hours required)

Select one class

DMTH 1034	.....Developmental Mathematics III	4
MATH 1104	.....Applied Technical Math	4
MATH 1113	.....College Algebra	3

MSCC Requirement (4 hours required)

CSUR 1101	.....College Survival Skills.....	1
COMP 1113	.....Computer Fundamentals.....	3

Technical Core (19 hours required)

HMGH 1143	.....Food Service Management.....	3
HMGH 2023	.....Food and Beverage Cost Control	3
HMGH 2043	.....Hospitality Human Resources Management*	3
HMGH 2064	.....Principles of Food Preparation	4
HMGH 2153	.....Restaurant Layout & Design*	3
HMGH 2203	.....Beverage Management*.....	3

*Please note that only one of these courses applies as an elective in the AAS in Hospitality Management.

Associate of Science in Hospitality Management

61 Credit Hours

Program Goals

In addition to the General Education Learning Outcomes listed on pages 105-106, Associate of Science in Hospitality Management students are expected to satisfy the following Program Goals:

- Acquire a fundamental understanding of hotel, lodging, housekeeping, and food services management
- Successfully apply learned theory and principles in practical applications relevant to the hospitality industry.
- Successfully complete the National Restaurant Association ServSafe Food Protection Manager Certification exam.
- Satisfy requirements for transfer to a baccalaureate program in Hospitality Management or related field.

The following outline of requirements should be used as a planning worksheet. Students should check course descriptions and prerequisites in planning their courses of study.

State Minimum Core (35 hours)

Communications (9 hours required)

ENGL 1113	.....English Composition I.....	3
ENGL 1123	.....English Composition II.....	3

ENGL 2303	.....Oral Communication.....	3
Mathematics (3 hours required, select one class)		
MATH 1113	.....College Algebra.....	3
MATH 2115	.....Calculus I.....	5
Science (8 hours required)		
BIOL 1114/1110	.....General Biology/Lab.....	4
CHEM 1314/1310	.....Chemistry I/Lab.....	4
PSCI 1214/1210	.....Physical Science/Lab.....	4
PSCI 1254/1250	.....Physics and Lab.....	4
Fine Arts/Humanities (6 hours required)		
Fine Arts (Select one class)		
ARTS 1013	.....Intro to Film.....	3
ARTS 1103	.....Art Appreciation.....	3
ARTS 1123	.....Intro to Theatre.....	3
MUSC 1103	.....Music Appreciation.....	3
Humanities (Select one class)		
ENGL 2153	.....World Literature I.....	3
ENGL 2163	.....World Literature II.....	3
History (6 hours required)		
Select one class		
HIST 2123	.....U.S. History Before 1877.....	3
HIST 2133	.....U.S. History After 1877.....	3
Select one class		
HIST 1153	.....World Civilization I.....	3
HIST 1163	.....World Civilization II.....	3
Social Science (3 hours required)		
ECON 2213	.....Macroeconomics (recommended).....	3
MSCC Requirements (7 hours required)		
CSUR 1101	.....College Survival Skills.....	1
SPAN 1113	.....Spanish I.....	3
SPAN 1123	.....Spanish II.....	3
Hospitality Technical Core (19 hours required)		
BUSN 1423	.....Principles of Accounting I.....	3
HMGT 1003	.....Introduction to Hospitality and Tourism Management.....	3
HMGT 1033	.....Hotel, Lodging and Housekeeping Management.....	3
HMGT 1143	.....Food Service Management.....	3
HMGT 1213	.....Accounting Systems in the Hospitality Industry.....	3
HMGT 2064	.....Principles of Food Preparation.....	4

Recommended Course Sequence

The following outline of requirements should be used as a planning worksheet. Students should check course descriptions and prerequisites in planning their courses of study. The recommended outline assumes that students are unconditionally enrolled at the time of entry and ensures that students will satisfy the College’s academic requirements within the specified time frame.

Students needing developmental course work should refer to the guidelines for Conditional Enrollment on page 40.

1st Year, 1st Semester

CSUR 1101	College Survival Skills	1	
ENGL 1113	English Composition I	3	
Fine Arts Elective.....		3	
HIST 1153	World Civilization I	3	
or			
HIST 1163	World Civilization II	3	
HMGT 1003	Introduction to Hospitality and Tourism Management	3	
MATH 1113	College Algebra	3	Total 16

1st Year, 2nd Semester

BUSN 1423	Principles of Accounting I	3	
ENGL 1123	English Composition II.....	3	
HMGT 1033	Hotel, Lodging and Housekeeping Management.....	3	
Humanities Elective		3	
Science Elective.....		4	Total 16

2nd Year, 1st Semester

ENGL 2303	Oral Communication.....	3	
HIST 2123	U.S. History Before 1877.....	3	
or			
HIST 2133	U.S. History After 1877	3	
HMGT 1213	Accounting Systems in the Hospitality Industry ..	3	
Science Elective.....		4	
SPAN 1113	Spanish I.....	3	Total 16

2nd Year, 2nd Semester

Social Science Elective.....		3	
SPAN 1123	Spanish II	3	
HMGT 1143	Food Service Management	3	
HMGT 2064	Principles of Food Preparation	4	Total 13

Associate of Applied Science in Hospitality Management

60/61 Credit Hours

Job Opportunities

Food Service

- Food Preparation/Crew leader
- Assistant Cooks/Line Cooks
- Kitchen Supervisor/Manager
- Food Service Supervisor/Assistant Manager
- Restaurant Supervisor/Assistant Manager
- Food and Beverage Supervisor/Assistant Manager

Lodging

- Housekeeping Supervisor/Assistant Manager
- Front Desk Supervisor/Assistant Manager
- Front Desk Supervisor/Assistant Manager
- Hotel Operations Supervisor/Assistant Manager
- Sales & Catering Supervisor/Assistant Manager
- Assistant General Manager
- Hotel General Manager

Program Goals

In addition to the General Education Learning Outcomes listed on pages 105-106, Associate of Applied Science in Hospitality Management students are expected to satisfy the following Program Goals:

- Acquire a fundamental understanding of hotel, lodging, housekeeping, and food services management
- Apply the skillful use of common tools and technology relevant to their field of study
- Demonstrate the professional/ethical behaviors of punctuality, of regular attendance, of respect for supervisors and co-workers, and of self-directed task completion
- Successfully apply learned theory and principles in practical applications relevant to the hospitality industry.
- Successfully complete the National Restaurant Association ServSafe Food Protection Manager Certification exam, the National Restaurant Association ManageFirst: Nutrition Certification exam, and the National Restaurant Association Controlling Foodservice Costs certification exam, as well as other industry certifications based upon the student's choice of program technical electives.

The following outline of requirements should be used as a planning worksheet. Students should check course descriptions and prerequisites in planning their courses of study.

State Minimum Core (15/16 hours)

Communications (9 hours required)

ENGL	1113	.....English Composition I.....	3
ENGL	1123	.....English Composition II.....	3
or			
ENGL	1133	.....Writing for the Workplace.....	3
ENGL	2303	.....Oral Communication.....	3

Mathematics (3/4 hours required)

Select one class

DMTH	1034	..... Developmental Math III.....	4
MATH	1104	.....Applied Technical Math.....	4
MATH	1113	.....College Algebra.....	3

History/Social Science (3 hours required)

Select one class

HIST	2123	.....U.S. History Before 1877.....	3
HIST	2133	.....U.S. History After 1877.....	3
POLS	1143	.....American Government.....	3
PSYC	1403	.....Introduction to Psychology.....	3
SOCI	1303	.....Introduction to Sociology.....	3

MSCC Requirement (2 hours)

BUSN	1201	.....Career Preparation.....	1
CSUR	1101	.....College Survival Skills.....	1

Business Core (9 hours required)

BUSN	1423	.....Principles of Accounting I.....	3
COMP	1113	.....Computer Fundamentals.....	3

ECON	2213	.....Macroeconomics.....	3
Hospitality Management Technical Core (32 Hours required)			
HMG	1003	.....Introduction to Hospitality and Tourism Management	3
HMG	1033	.....Hotel, Lodging and Housekeeping Management.....	3
HMG	1043	.....Professionalism in Hospitality.....	3
HMG	1123	.....Hospitality Information Systems.....	3
HMG	1143	.....Food Service Management	3
HMG	1213	.....Accounting Systems in the Hospitality Industry	3
HMG	1513	.....Nutrition and Menu Planning	3
HMG	2003	.....Service Industry Structure and Leadership.....	3
HMG	2023	.....Food and Beverage Cost Control	3
HMG	2041	.....Hospitality Internship	1
HMG	2064	.....Principles of Food Preparation	4

Hospitality Electives (3 hours)*

Select one class

HMG	1413	.....Gaming and Casino Management.....	3
HMG	2043	.....Hospitality Human Resources Management	3
HMG	2123	.....Kitchen Operations Management.....	3
HMG	2133	.....Hospitality Sales and Marketing	3
HMG	2153	.....Restaurant Layout & Design	3
HMG	2173	.....Entertainment & Venue Management	3
HMG	2203	.....Beverage Management.....	3
HMG	2233	.....Principles of Tourism	3
HMG	2253	.....Issues and Trends in Hospitality	3
HMG	2273	.....Legal Issues in Hospitality and Tourism	3

*Not all electives are offered every semester; please consult with Hospitality Management Lead Faculty to make a plan of study

Recommended Course Sequence

The following course sequence assumes that students are unconditionally enrolled at the time of entry and ensures that students will satisfy the College’s core academic and technical requirements within the specified time frame. Students needing developmental course work should refer to the guidelines for Conditional Enrollment on page 40.

Note: All students must complete ENGL 1113 English Composition I; either DMTH 1034 Developmental Math III, MATH 1104 Applied Technical Math, or MATH 1113 College Algebra; COMP 1113 Computer Fundamentals, and HMG 1003 Introduction to Hospitality and Tourism Management within the first 30 hours of college-level enrollment.

1st Year, 1st Semester

COMP	1113	.....Computer Fundamentals	3
CSUR	1101	.....College Survival Skills	1
ENGL	1113	..... English Composition I.....	3
History/Social Science Requirement.....			3

- Demonstrate the professional/ethical behaviors of timeliness and of self-directed task completion

In addition, graduates will be prepared to take the CompTIA A+ Certification exam.

Program Requirements

The following outline of requirements should be used as a planning worksheet. Students should take care to check course prerequisites in planning their program of study.

Technical Courses

ISTC	1013	.....IT Principles and Practices	3
ISTC	1023	.....IT Essentials I.....	3
ISTC	1033	.....IT Essentials II.....	3
ISTC	1043	.....A+ Certification Prep Course.....	3
ISTC	1513	.....Network Fundamentals	3

Certificate of Proficiency in Networking

15 Credit hours

This Network Associate Certificate of Proficiency trains students in the installation and configuration of routers and switches and introduces them to the Sun Solaris and UNIX operating systems. ISTC 1013 IT Principles and Practices must be taken as a prerequisite to the program or as a corequisite with ISTC 1513 Network Fundamentals.

Program Goals

Program graduates will be able to

- Apply the skillful use of common tools and technology relevant to their field of study
- Demonstrate the professional/ethical behaviors of timeliness and of self-directed task-completion
- Troubleshoot an environment that uses routers and switches for multi-protocol client hosts and services
- Perform entry-level tasks in the planning, design, installation, operation, and troubleshooting of Ethernet and TCP/IP networks

Job Opportunities

Network Engineer

Network Administrator

Other computer networking positions in companies using Ethernet-compliant hardware in their LAN/WANs.

Program Goals

Program graduates will be able to

- Apply the skillful use of common tools and technology relevant to their field of study
- Demonstrate the professional/ethical behaviors of timeliness and of self-directed task-completion

Program Requirements

The following outline of requirements should be used as a planning worksheet. Students should take care to check course prerequisites in planning their program of study.

Technical Courses

ISTC	1513	.....Network Fundamentals	3
ISTC	1523	.....Routing Protocols and Concepts.....	3
ISTC	2563	.....LAN Switching and Wireless	3
ISTC	2573	.....Accessing the WAN	3
ISTC	2613	.....Fundamentals of UNIX	3

Associate of Applied Science in Information Systems Technology

62-63 Credit Hours

The AAS in Information Systems Technology provides students with a core of general education courses, as well as courses which prepare them for professional certifications in networking design and administration. Students enrolling in the program must document or demonstrate, through credit by examination, a fundamental understanding of computers and common applications software. Otherwise, they must successfully complete COMP 1113 Computer Fundamentals before or concurrently with any of the ISTC courses. Students who already hold professional certifications in one or both of these areas may satisfy some degree requirements by presenting those certifications to the Registrar's Office.

The AAS in Information Systems Technology provides students with the networking skills and knowledge needed for today's multi-platform networking environment. Areas of emphasis include network analysis and design, configuration and implementation, testing, monitoring and management, and system administration and maintenance.

Job Opportunities

Network Administration PC Support Technician Network Support IT Management

Program Goals

In addition to satisfying the General Education Learning Outcomes listed on pages 105-106, program graduates will

- Plan a technical project in a way that is comprehensive, logical and reachable
- Apply the skillful use of common tools and technology relevant to their field of study
- Install, configure, and operate LAN and WAN-access services for small networks, including but not limited to use of these protocols: IP, RIP, OSPF, EIGRP, Frame Relay, VLANs, Fast Ethernet, Ethernet, and Access Lists, and network security
- Demonstrate the professional/ethical behaviors of punctuality, regular attendance, respect for supervisors and co-workers, and self-directed task-completion

Program Requirements

General Education Courses (15 hours)

Communication (9 hours required)

ENGL	1113	.....English Composition I.....	3
ENGL	1133	.....Writing for the Workplace	
		or	
ENGL	1123	.....English Composition II.....	3

ENGL 2303.....Oral Communication..... 3

Mathematics (3-4 hours required)

DMTH 1034.....Developmental Mathematics III 4

MATH 1104.....Applied Technical Math 4

or

MATH 1113.....College Algebra 3

Social Science Electives (3 hours required)

HIST 2123.....U.S. History Before 1877..... 3

HIST 2133.....U.S. History After 1877 3

POLS 1143.....American Government 3

PSYC 1403.....Introduction to Psychology..... 3

SOCI 1303.....Introduction to Sociology 3

MSCC Requirement (4 hours)

COMP 1113.....Computer Fundamentals 3

CSUR 1101.....College Survival Skills 1

Technical Core (16 hours)

BUSN 1201.....Career Preparation 1

COMP 1213.....Database Applications 3

ISTC 1013.....IT Principles and Practices 3

ISTC 1053.....Introduction to Web Page Design..... 3

ISTC 2613.....Fundamentals of UNIX 3

ISTC 2993.....Capstone Learning Experience..... 3

Network Concentration (27 hours)*

ISTC 1023.....IT Essentials I..... 3

ISTC 1033.....IT Essentials II..... 3

ISTC 1043.....A+ Certification Prep..... 3

ISTC 1513.....Network Fundamentals 3

ISTC 1523.....Routing Protocols and Concepts..... 3

ISTC 2563.....LAN Switching and Wireless 3

ISTC 2573.....Accessing the WAN 3

ISTC 2623.....UNIX System Administration I..... 3

ISTC 2633.....UNIX System Administration II..... 3

***Successful completion of these courses qualifies students to take examinations as follows:**

ISTC 1023 and ISTC 1043

CompTIA A+ certification exam.

Recommended Course Sequence for Full-Time Students

The following course sequence assumes that students are unconditionally enrolled at the time of entry and ensures that students will satisfy the College’s core academic and technical requirements within the specified time frame. Students needing developmental course work should refer to the guidelines for Conditional Enrollment on page 40.

Note: All students must complete ENGL 1113 English Composition I, either DMTH 1034 Developmental Mathematics III or MATH 1113 College Algebra, ISTC 1013 IT Principles and Practices, and ISTC 1053 Introduction to Web Page Design within the first 30 hours of college-level enrollment.

Networking

1st Year, 1st Semester

COMP 1113.....Computer Fundamentals 3

CSUR	1101	College Survival Skills	1	
DMTH	1034	Developmental Mathematics III	4	
		or		
MATH	1104	Applied Technical Math	4	
		or		
MATH	1113	College Algebra	3	
ENGL	1113	English Composition I	3	
ISTC	1013	IT Principles and Practices	3	
ISTC	1513	Network Fundamentals	3	Total 16-17

1st Year, 2nd Semester

ENGL	1133	Writing for the Workplace	3	
		or		
ENGL	1123	English Composition II	3	
ISTC	1023	IT Essentials I	3	
ISTC	1053	Introduction to Website Design	3	
ISTC	1523	Routing Protocols and Concepts	3	
ISTC	2613	Fundamentals of UNIX	3	Total 15

2nd Year, 1st Semester

BUSN	1201	Career Preparation	1	
ENGL	2303	Oral Communication	3	
ISTC	1033	IT Essentials II	3	
ISTC	1043	A+ Certification Prep	3	
ISTC	2563	LAN Switching and Wireless	3	
ISTC	2623	UNIX System Administration I	3	Total 16

2nd Year, 2nd Semester

COMP	1213	Database Applications	3	
ISTC	2573	Accessing the WAN	3	
ISTC	2633	UNIX System Administration II	3	
ISTC	2993	Capstone Learning Experience	3	
		Social Science Elective	3	Total 15

Bachelor of Science in Information Technology

The Bachelor of Science in Information Technology is available on the MSCC campus through a partnership agreement with the University of Arkansas – Fort Smith. Additional information is available via the web at www.uafortsmith.edu/Degrees/BachelorOfScience-BS, from the UA Fort Smith office in the MSCC University Center, or from the MSCC Registrar's Office.

Other Academic Programs and Services

College Preparatory Programs

Adult Education

The Adult Education program of Mid-South Community College is committed to providing educational opportunities to all citizens of Crittenden County and, in particular, to those who lack basic skills, who do not have a high school diploma, and/or who speak English as a second language. The

College offers free testing, and classes for adults from the literacy level to basic skills to the Official GED® Test. The three main program areas at MSCC include Adult Education (GED) classes, testing, and Literacy tutoring.

Adult Education Instruction

Adult Education classes are available for students who lack a high school diploma. We also offer English as a Second Language classes for students in need of English instruction. We offer morning and evening classes at our Mid-South Community College site. Day classes are offered at East Arkansas Youth Services in Marion (for students age 16-17 only), Crittenden County Detention Center, and at the Shopping Way site. Evening classes are also available at our Gilmore and at Earle sites. Class times are different at the various sites, so students should call (870)733-6871 for current class schedules and for enrollment information.

MSCC is an Official GED® Testing Center for Arkansas residents. Students who pass the Official GED® Test will be recognized at the annual graduation ceremonies held each year. Additional information about the Adult Education program can be obtained by calling the Adult Education department at (870) 733-6871.

Literacy Council

The Literacy Council of Crittenden County, administered by MSCC, is a non-profit educational program designed to help fight illiteracy in Crittenden County in order to break the cycle of underachievement associated with poor reading skills. Its purpose is to enable non-reading adults to acquire reading and writing skills through free, student-centered instruction in basic literacy. Students are taught by trained volunteer tutors in one-on-one or small-group settings. Classes are held on the MSCC campus as well as in various off-campus locations, including community centers and businesses. Additional information about adult literacy services may be obtained by visiting the Literacy Council office on the MSCC campus or by calling (870) 733-6763.

Job-Related Skill Development

The Arkansas Career Readiness Certificate (CRC) Program allows citizens to measure their skills against those skills required for jobs with area businesses. Anyone who has taken the WorkKeys® assessment and needs to increase his or her score can come to Adult Education to use the KeyTrain® software to improve basic skills before retaking the test. Computers and staff are available to assist in this process during scheduled times each week. For more information please call the Adult Education department at (870) 733-6871.

Developmental Education

The College offers students who are under-prepared for college-level work the opportunity to develop basic knowledge and skills in English, reading, and mathematics by taking developmental education courses. Concurrently enrolled high school students may not enroll in developmental education courses except on an audit basis.

Students whose placement scores fall below 19 on the American College Testing (ACT) assessment or equivalent scores on the SAT, COMPASS, or ASSET tests (listed on page 30) will benefit from review

and other preparatory work before enrolling in college courses. Developmental Education courses include the following:

College Preparation

Communications

DCOM 1034 Developmental Communication

DCOM 1054 Developmental Communication II

Computer Skills

DKEY 1101 Computer Keyboarding

DKEY 1201 Intro to Computers

Reading and English

DRDG 1004 Developmental Reading I

DENG 1034 Developmental English I

DRDG 1024 Developmental Reading II

DENG 1054 Developmental English II

Mathematics

DMTH 1014 Developmental Math I

DMTH 1024 Developmental Math II

DMTH 1034 Developmental Math III

Students enrolled in DENG 1034 who believe by the end of the course that their writing skills are sufficiently strengthened to succeed in degree credit courses may seek the instructor's permission to test out of DENG 1054. To test out of DENG 1054, students must score an 80 or higher on the COMPASS English test and score a 4 or higher on an essay in relation to criteria established for entry into English Composition I.

Students enrolled in DRDG 1004 who believe their reading skills are sufficiently strengthened by the end of the course to succeed in degree credit courses may seek the instructor's permission to test out of DRDG 1024. To test out of DRDG 1024, students must score an 82 or higher on the COMPASS test. Note: Required placement scores or successful completion of both DENG 1054 and DRDG 1024 are prerequisites for most degree credit courses

Students enrolled in DMTH 1014 Developmental Math I, DMTH 1024 Developmental Math II, or DMTH 1034 Developmental Math III are placed according to placement scores; however, they have the option of pre-testing out of some modules by demonstrating knowledge and immediately moving on to the next course in the sequence.

Students must earn grades of "C" or better to successfully complete Developmental Education courses. Academic advisors and Advising Success Center staff will work with students to develop appropriate class schedules and to identify resources to support their academic success.

Developmental course grades affect students' grade point averages for their award programs, as well as their financial aid eligibility and academic standing.

Mid-South Community College Technical Center

The Mid-South Community College Technical Center (MSCCTC) is a workforce education center that offers college credit in technical programs to high school sophomores, juniors, and seniors in the Crittenden County area, including the Academics of West Memphis. The Center's curriculum serves as an extension of high school curricular offerings by providing students with hands-on training in technical fields. Services are offered at no cost to the students. Books, tuition, and fees are provided through the Center and are funded by local school districts and the Arkansas Department of Workforce Education.

Purposes

- To provide quality technical education programs to area high school sophomores, juniors, and seniors
- To help students make informed career choices and to provide relevant and supportive learning experiences
- To prepare students to enter the workforce upon high school graduation
- To encourage students to continue their education after high school

Admission Policy

Prospective students apply for admission to MSCCTC programs through their local high school counselor. Admission is based on grade point average, college entrance exam scores, school attendance, citizenship, motivation, ability, and aptitude.

All students are required to submit the following:

- Written recommendation from the high school principal, counselor, and classroom teacher
- Completed application for admission form
- Current high school transcript for each semester of enrollment
- ACT, SAT, PLAN, COMPASS, or ASSET exam scores
- Signed student/parent agreement
- Proof of immunization against mumps, measles, and rubella if born on or after January 1, 1957

Additional information about the Technical Center, including courses of study, may be obtained by calling the Admissions Office at (870) 733-6728.

MSCC University Center

The MSCC University Center is a partner in the Arkansas Delta Education and Training Consortium (ADTEC) University Center (<http://adtec-uc.org>). Through this partnership and partnerships with other four-year universities, students have access to a variety of baccalaureate and advanced degrees on the MSCC campus.

Programs currently available include the following:

Arkansas State University

Associate in Applied Science degree in Nursing
Bachelor's degree in Applied Science
Bachelor's degree in Criminology
Bachelor's degree in Middle Level Education
Bachelor's degree in P-4 Education
Bachelor's degree in Business Administration
Bachelor's degree in Nursing
Bachelor's degree in Radiologic Technology
Master's degree in Business Administration
Master's degree in K-12 Curriculum and Instruction
Master's degree in Public School Administration
Master's degree in Nursing

Arkansas Tech University

Bachelor's degree in Emergency Management

Bethel University

Online Bachelor's degree in Organizational Management

Franklin University

Online Bachelor's degree in Accounting

Online Bachelor's degree in Applied Management

Online Bachelor's degree in Business Forensics

Online Bachelor's degree in Computer Science

Online Bachelor's degree in eMarketing

Online Bachelor's degree in Financial Management

Online Bachelor's degree in Forensic Accounting

Online Bachelor's degree in Healthcare Management

Online Bachelor's degree in Human Resources Management

Online Bachelor's degree in Information Technology

Online Bachelor's degree in Management

Online Bachelor's degree in Management Information Sciences

Online Bachelor's degree in Marketing

Online Bachelor's degree in Public Safety Management

Online Bachelor's degree in Web Development

Montana State University-Northern

Bachelor's degree in Diesel Technology

University of Arkansas at Fayetteville

Bachelor's degree in Human Resource Development

University of Arkansas at Fort Smith

Bachelor's of Applied Science degree

Bachelor's of Science degree in Information Technology

University of Arkansas at Pine Bluff

Program(s) to be announced.

University of Central Arkansas

Bachelor's degree in Addiction Studies

Workforce, Economic Development

Business and Industry Services

MSCC is committed to the economic development of the Arkansas Delta Region by helping ensure a world-class workforce and by helping attract new industry to the region. In support of those goals, the college participates in a number of regional partnerships which support economic growth and provides comprehensive array of training services for business and industry.

One initiative, the Arkansas Delta Training & Education Consortium (ADTEC), established in late 2005, provides for a coordinated, regional response to workforce development in the Arkansas Delta. ADTEC is a partnership of five community colleges (Mid-South Community College, Arkansas

Northeastern College, East Arkansas Community College, Arkansas State University-Newport, and Phillips Community College of the University of Arkansas System) that are committed to raising the skill level of the workforce and transforming the economy of the Arkansas Delta. In 2006, ADTEC was incorporated into the Arkansas Delta Workforce Innovations in Economic Development (ADWIRED) initiative as the primary workforce training and education provider in the ADWIRED region. In 2007, ADTEC was awarded the prestigious Southern Growth Policy Board Innovator of the Year Award; in 2008, it received the Department of Labor's Recognition of Excellence Award for Developing a Regionally Focused Workforce Strategy, and in 2010, the Institute of Higher Education at the University of Florida Community College Bellwether Award for Workforce Development. ADTEC is a workforce development consortium that uses proven, successful strategies to implement training and education projects.

ADTEC is a unique partnership in that all participating community colleges collaborate to share curriculum, support strategies, and a wide range of industry input regarding training needs while pursuing the ultimate goal of growing jobs and economic opportunity in the region. ADTEC is able to provide a broad range of training services at a lower overall cost. Continuous industry feedback is an essential element of this workforce development strategy. This strategy is used to develop career pathways which have employable exit-points at 1) high school graduation and award of a certificate of proficiency; 2) award of a technical certificate; 3) award of an Associate of Applied Science Degree; and 4) award of a Bachelor of Applied Science Degree. Students may stop out at any exit point with a college credential in hand, go to work in the selected field of study, and return at any time (whether employed or not) to re-enter the pathway and achieve the next educational level.

MSCC also has partnered with Southwest Tennessee Community College, the Greater Memphis Training and Education Consortium (GMTEC), to collaboratively address the educational and training needs of the larger Memphis metropolitan area.

These partnerships support a variety of continuing education opportunities for personal, professional, and workforce development through open-enrollment credit courses, specialized programs, non-credit online courses, and contract offerings customized to meet specific business or industry needs. Seminars, workshops, customized training, short-term credit and non-credit training, and workforce readiness programs are part of the options available.

Customized training for employers can be developed to meet an endless variety of training needs and can be offered during regular class hours or through creative scheduling arrangements. Programs can be conducted on the MSCC campus, the SWTCC campus, or at an employer's worksite. Additional information may be obtained by calling 870 733-6012 or visiting the GMTEC office in the Marion Berry Renewable Energy Building, Room 106-C