

SCHOOL OF TECHNOLOGY

School Dean

Tia M. Strait

Justice Center 126, 417.625.3155

Degrees and Majors

Bachelor of Science

- Computer Information Science
 - Bioinformatics
 - Information Systems
 - Computer Forensics
 - Computer Science
 - Computational Mathematics
 - Information Technology
 - Computer Technology
- Criminal Justice
 - Computer Forensics
- Health Science
- Industrial Technology Education
- Manufacturing Information Management Systems
- Medical Technology
- Nursing

Associate of Science

- Computer Aided Drafting and Design
- Engineering Technology
- Computer Aided Drafting and Design
 - Computer Graphics Design
- Computer Assisted Manufacturing Technology
- Computer Information Science
 - Network System Administration
 - Information Systems
 - Website Administration
- Dental Hygiene
- Law Enforcement
- Pre-Engineering
- Radiologic Technology
- Respiratory Therapy

Associate of Arts (Preprofessional)

- Paramedic
- Prepharmacy

Certificate (one year)

- Manufacturing Applications

Certificate (less than 30 hours)

- Emergency Medical Technician
- Emergency Medical Technician - Paramedic
- Network System Administration
- Missouri Peace Officer Training

Certificate of Competency

- Computer Aided Drafting and Design Operator
- CNC Operator
- Reverse Engineering Technician
- Quality Technician

Options and Emphases

- Advanced Level Respiratory Therapy (after completion of Respiratory Therapy Associate of Science Degree)
- Aviation
- Land Surveyor in Training

Minors

- Computer Science
 - Information Systems
 - Network Systems Administration
 - Website Administration
- Criminal Justice Administration
 - Crime Scene Investigation (CSI)
 - Juvenile Justice

Role

The School of Technology is one of the four major instructional entities of Missouri Southern. As such, it offers quality instruction by and under the leadership of professional educators who also have the advantage of actual work experience in business, industry, health care, and government. Instruction is further enhanced by the utilization of qualified individuals from business and professionals in the community as guest lecturers and part-time instructors.

Courses offered by individual departments within the School of Technology are specifically career oriented toward a specialized field. The faculty in these departments recognize the necessity of providing an understanding of the relationships between careers and society; therefore, courses from the fine arts, humanities, and natural sciences, as well as courses to refine a student's ability to read, write, speak, and think are a required part of each department's curriculum. As a result, the students majoring in the various curricula in the School of Technology are an integral part of the entire student body.

All courses offered in the School of Technology are designed to provide students with the experience, skills, or expertise that enable them to enter their employment field and meet requirements imposed by any certifying and licensing examination that may be required.

The School of Technology also recognizes that in many respects the community is also a classroom. Therefore, a number of curricula include courses that are offered by other educational agencies. In some courses, area facilities are used as laboratory resources with students utilizing them under the direct supervision of regular college instructional personnel.

The School of Technology offers curricula leading to a Bachelor of Science, Associate of Science, and Associate of Arts degrees and one-year certificates. Programs of shorter duration required for licensure or certification also are offered, often in conjunction with the Division of Continuing Education. Numerous courses and workshops are offered to meet specific and often rapidly emerging demands of business, industry, and public services.

All departments work closely with advisory boards composed of professionals from area business, industry, government, and health care. The advisory board assists the faculty of the various departments in maintaining relevancy of curriculum content and identifying special needs that can be addressed through continuing education programs.

Goals

The goals of the School of Technology are:

1. To provide opportunities for students to prepare for a broad range of established and emerging careers;
2. To maintain and develop curricula which provide the opportunity for students to obtain the background in liberal arts and sciences so they may appreciate their heritage and contemporary society to become a contributing member of their society;
3. To provide programs in the most cost effective method possible, that are cognizant of contemporary requirements of career fields and which provide best available preparation for emerging requirements;
4. To provide opportunities and encouragement for faculty and staff to remain current and conduct research in their respective disciplines;
5. To provide instructional facilities and equipment essential to the maintenance of academically excellent instruction;
6. To provide a variety of supportive functions that serve a variety of area needs;
7. To offer quality programs and in areas where required, maintain program content necessary for special accreditation;
8. To offer a variety of continuing education programs to meet special needs and demands;
9. To encourage faculty to provide consultation services and otherwise serve as resources for the area;
10. To advise people, including students and potential students, regarding knowledge, skills and abilities required to enter and succeed in various career fields;
11. To assist faculty to meet and maintain eligibility for special certification required in numerous programs.



AVIATION

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The Aviation Program is offered in affiliation with the Mizzou Aviation Company of Joplin, Missouri. Special fees above tuition are required for this course.

For additional information contact:

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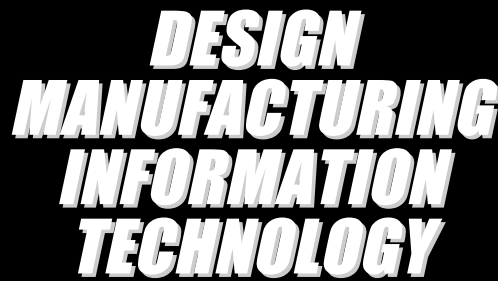
Course Descriptions

Av 200

5 hrs. cr.

Basic Pilot Training

An integrated course designed to meet ground school and flight training requirements for eligibility to take the Federal Aviation Administration examination for a Private Pilot Certificate. In addition to scheduled ground school classes, the course requires approximately 45 hours of dual and solo flight and check flight. Credit is awarded when the FAA certificate is obtained. Special fees and a third class medical certificate are required. Special fees for this course include plane rental and examiners test fee. Course grade is recorded as Pass or Fail.



**DESIGN
MANUFACTURING
INFORMATION
TECHNOLOGY**

Ummel Technology Building 112-B,
417.625.9757 or 417.625.9328

Faculty Bartholet, Duggal, Howe, Schultz

The Department offers programs which prepare students for manufacturing and design related floor-level industrial positions. The programs offered are:

- Associate of Science in Computer Aided Drafting and Design Engineering Technology
- Associate of Science in Computer Aided Drafting and Design Computer Graphics Design
- Associate of Science in Computer Assisted Manufacturing Technology
- Bachelor of Science in Industrial Technology Education
- Bachelor of Science in Manufacturing Information Management Systems
- One Year Certificate in Manufacturing Applications
- Certificates of Competency
 - CADD Operator
 - CNC Operator
 - Reverse Engineering Technician
 - Quality Technician
 - Land Surveyor in Training