

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**

Justice Center, 417.625.9328

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:

Dr. Tia M. Strait  
Office: Justice Center 126  
Phone: 417.625.3155  
Email: strait-t@mssu.edu

---

---

## Course Descriptions

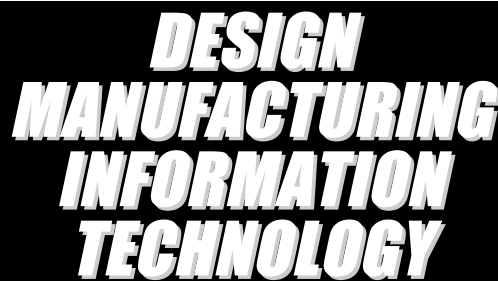
---

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