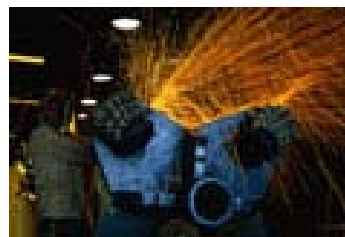
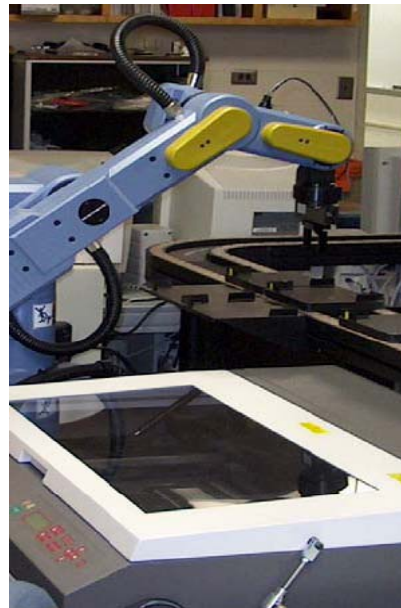
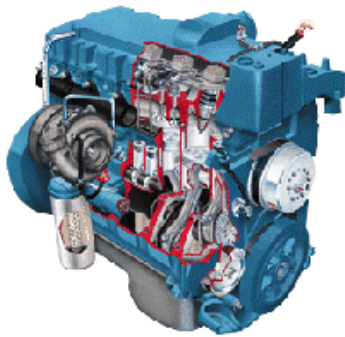




Online B.S. in the  
**Management of Technology**



**MANUFACTURING  
MANAGEMENT MINOR**

**ATHENS STATE UNIVERSITY**

**College of Business**

300 North Beaty Street

Athens, Alabama 35611

(800) 522-0272 Extension 211 ♦ (256) 233-8151 FAX

2007 - 2008

# Management of Technology

## With Minor in Manufacturing Management (MFM)

*Southern Business and Development* magazine has named Alabama “State of the Year” three times in a row (most recently in 2005) based on its record of job growth and economic development. At the heart of that growth is expansion in the state’s high tech and manufacturing industries. For example, the automotive industry is one area where Alabama’s successful corporate investments have resulted in many world class companies locating here – Mercedes, Honda, Hyundai, Toyota, and others. Companies like Boeing, 3M, and Wellborn Cabinets round out the list. These industries require trained experts in the area of manufacturing management in order to be successful. Such individuals must have a solid background in manufacturing technology along with basic and advanced management skills. Athens State is addressing these needs with our MFM Minor.

As in most other areas of commerce today, new entrants into the manufacturing job market need college credentials to ultimately succeed, even as a technician, not to mention the other technical and management positions necessary to make the modern manufacturing plant operate efficiently, safely, and smoothly. The Alabama College System (ACS) has recognized these needs and is providing specialized collegiate training at several of its lower-level, two-year institutions state-wide. Athens State bridges the gap between the 2-year associate and a 4-year B.S. degree with the Management of Technology program.



Athens and other ACS instructors agreed that a natural outgrowth of the existing Management of Technology (MOT) degree program at ASU is a minor to that program in Manufacturing Management. Thus, the MOT MFM Minor initiative began.

The MOT with MFM Minor is part of several affordable, online programs leading to a Bachelor of Science (B.S.) Degree within Athens State University's College of Business. MOT links engineering, science, and management disciplines to meet modern-day, high-tech management requirements. The MFM Minor allows students with 2-year associate degrees in manufacturing or related technologies to continue their academic career in management.

The College of Business MFM program directly addresses the skills required to successfully manage manufacturing in today's world of high technology and rapid change. It is designed for career-minded professionals desiring to take the next step up the advancement ladder by earning an up-to-date, manufacturing-oriented, B.S. degree. Previous work experience (including military) or AS/AAS coursework is utilized in earning technical core credits (up to 23 lower-level semester hours). Liaison with various local area manufacturers afford the student with first-time *or* additional on-the-job training, thus benefiting students and industry alike. Where possible, MFM electives are tailored to each student’s background, experience, and career goals.

Athens MOT MFM coursework emphasizes up-to-date, practical, and computer-based applications resulting in key manufacturing management skills.

## MOT MFM REQUIREMENTS

A summary of requirements for the MOT B. S. Degree with Manufacturing Management Minor is as follows (semester hours):

|                                  |        |
|----------------------------------|--------|
| 1. General Education Courses     | 41 hrs |
| 2. Pre-Professional Courses*     | 15 hrs |
| 3. Technical Core Block Credit** | 23 hrs |
| 4. Professional Courses          | 27 hrs |
| 5. Manufacturing Mgmt Minor      | 18 hrs |

**TOTAL REQUIREMENT 124 hrs**

\* Pre-Professional Courses include Accounting, Statistics I and II, Legal Environment of Business, and Windows Computer Applications (15 hours). The 124 total hours must include 60 semester hours of 300/400 level courses and a minimum of 33 semester hours must be completed with Athens State University.

\*\* Technical Core Block Credit may include manufacturing associate degree coursework, work/military credits, and/or professional (e.g. APICS) certifications.

## SEQUENCE OF COURSES

A four-semester, suggested sequence of classes is shown herein for the MOT w/MFM Minor. The sequence assumes that the 6 hours of Written Composition; 12 hours of Humanities and Fine Arts; 11 hours of Natural Science and Mathematics; 6 hours of Economics; and 6 hours of History, Social, and/or Behavioral Science (41 hours total) have been completed. In addition, the 15 hours of Pre-Professional coursework is assumed complete.



## MOT MFM COURSEWORK

### JUNIOR YEAR OF STUDY

#### First Semester

|                                    |       |
|------------------------------------|-------|
| 1. MG 305 Industrial Processes     | 3 hrs |
| 2. MG 320 Org Communications       | 3 hrs |
| 3. MG 346 Principles of Management | 3 hrs |

#### Second Semester

|                                     |       |
|-------------------------------------|-------|
| 1. MK 331 Principles of Marketing   | 3 hrs |
| 2. MG 350 Financial Management      | 3 hrs |
| 3. MG 401 Product, Process, Fac Dsn | 3 hrs |
| 4. MG 402 Manufacturing Issues      | 3 hrs |

### SENIOR YEAR OF STUDY

#### Third Semester

|                                     |       |
|-------------------------------------|-------|
| 1. MG 352 International Business    | 3 hrs |
| 2. MG 403 Industrial Economy        | 3 hrs |
| 3. MG 404 Quality Control Methods   | 3 hrs |
| 4. MG 415 Technical Risk Management | 3 hrs |

#### Fourth Semester

|                                    |       |
|------------------------------------|-------|
| 1. MG 406 Lean Manufacturing       | 3 hrs |
| 2. MG 418 Management of Technology | 3 hrs |
| 3. MG 419 Technology Transfer      | 3 hrs |
| 4. MG 420 Business Policy          | 3 hrs |

**Total Professional/Minor Courses 45 hrs**

### MFM Minor Electives

|                                   |       |
|-----------------------------------|-------|
| MG 351 Labor/Management Relations | 3 hrs |
| MG 353 Project Management         | 3 hrs |
| MG 390 Production & Ops Mgmt      | 3 hrs |
| MG 408 ISO Certification Issues   | 3 hrs |
| MG 412 Cultural Diversity         | 3 hrs |

Students may choose from this list of additional courses for the final term MFM requirement (w/advisor approval), or for use as additional coursework required to meet the minimum 300/400 level requirement of 60 semester hours.

An additional MOT specialized minor is also currently available in Aviation Management. Contact your appointed Faculty Advisor or Mrs. Vicki Johnson, College of Business Counselor (256-233-8216) for additional information.

For more information on Athens State University's MOT Manufacturing Management Minor, please refer to the online catalog or contact:

**Dr. J. Wayne McCain, Chair MOT**

(256) 990-0389 (800) 522-0272

email - [drwayne@athens.edu](mailto:drwayne@athens.edu)



The College of Business sponsors ASU's Student Chapter of the Association for Operations Management (APICS), a widely recognized manufacturing industry professional society. All ASU students are eligible to join APICS with MOT MFM majors being especially encouraged to participate. The mission of this Athens APICS Student Chapter is to provide the means to introduce students to professionals and the premiere manufacturing industry-recognized educational/professional society for the purposes of continual personal and professional growth. Contact Dr. McCain for more information.

**Athens State University was founded in 1822 and has a long heritage of dedication to higher education in the State of Alabama. ASU's College of Business is accredited by the Association of Collegiate Business Schools and Programs (ACBSP) and is served by a Faculty having a high ratio of earned Doctoral Degrees, significant industry experience, and pride in providing quality classroom instruction and valid, accessible academic advising.**

**The Management of Technology (MOT) B.S. Degree with Manufacturing Management Minor, was developed by Athens State to prepare our area's uniquely-qualified, manufacturing professionals for the Southeast's high-tech aerospace and automotive industries. With the MOT MFM degree, "We're building success stories."**



**Online catalog, registration, and student email!**

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<http://www.athens.edu>

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