

Funded by:



**MISSISSIPPI STATE
UNIVERSITY**



***TIME:
TECHNOLOGY
INITIATIVE IN
MANUFACTURING
AND
ENGINEERING***

***A PROFESSIONAL
DEVELOPMENT
OPPORTUNITY FOR GRADES
7-12 MATHEMATICS, SCIENCE
AND TECHNOLOGY
TEACHERS AND
COUNSELORS***

JUNE 7-18, 2010

What is TIME: Technology Initiative in Manufacturing and Engineering project?

Technology Initiative in Manufacturing and Engineering (TIME) is a collaborative effort of East Mississippi Community College (EMCC), Itawamba Community College (ICC), Mississippi State University's Center for Science, Mathematics, and Technology, and regional industries. TIME will develop a model that unites education and industry to train qualified technicians for the high-tech fields which are driving the economy.



Program Goals:

- Increase opportunities for 7 – 12th grade teachers and school counselors to experience applications of science, technology, engineering, and mathematics in the modern technology-driven manufacturing world;
- Increase opportunities for 7 – 12th grade teachers and school counselors to experience community college courses/certifications that provide necessary skills sets for technology-driven jobs;
- Incorporate workplace experiences into the classroom lesson plans to enhance student development of basic workplace competencies, technical skills, and academic backgrounds in science and mathematics that is aligned with MDE's *Redesigning* curriculum;
- Improve relationships among K-12 education, community colleges, universities, and industry designed to increase student interest in STEM careers to provide the foundation for a continuous focus on training technicians.

Who can participate in TIME?

- Grades 7-12 science, mathematics and/or technology teachers
- Middle/high school counselors

What is expected of TIME participants?

- Score *Silver* level or higher on the Career Readiness Credentials test before being accepted
- Letter of support from school administrator
- Two-week summer workshop commitment
- Attendance at two follow-up meetings during the academic school year (October and February)
- Development of lesson and action plans incorporating workshop experiences into the classroom
- Provide professional development in your home school district
- Mentor teachers in your school
- One classroom observation by project staff

Sample Workshop Sessions:

- Blueprint Reading
- Computer - Learnmate
- Computer Numeric Control
- Electrical
- Fluid Power
- Programmable Logic Control
- Precision Measurement
- Quality Controls
- Hands-on Experiences with Industry Partners

What Participants Receive:

- Professional fee of \$100 per day (two-week workshop and two follow-up one-day workshops – total \$1,200)
- Travel reimbursement up to \$125
- Meal reimbursement up to \$15 per day
- Up to 8 CEUs

How to Apply:

Please apply on-line at

<http://www.csmt.msstate.edu>.

Up to thirty-two (32) participants will be selected (16 for each site – EMCC and ICC).

Deadline for Applying: April 15, 2010

For Additional Information:

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