



ENGINEERING ACADEMY INITIATIVE for ALABAMA

**Connecting
Students
To
Engineering**

Collaborative Partnership Beginnings:

- **University of Alabama System**
 - **Dr. Malcolm Portera, Chancellor**
- **Auburn University**
 - **Dr. Ed Richardson, President**
- **State Department of Education**
 - **Dr. Joseph B. Morton**

GOAL

**TO INCREASE THE NUMBER OF
HIGH SCHOOL GRADUATES
CHOOSING ENGINEERING AS A
CAREER BY PROVIDING
CURRICULUM AND PROCESSES
THAT PREPARE THEM FOR
COLLEGE**

Engineering Academy Initiative for Alabama (EAIA)

The Engineering Academy Initiative for Alabama (EAIA) is being developed as a collaboration between the Alabama Department of Education, Colleges of Engineering, and the Alabama Mathematics, Science, and Technology Education Coalition (AMSTEC) in an effort to increase high school engineering programs in Alabama. The goal of this collaboration is to substantially increase the number of high school graduates selecting engineering as a career by providing them with curriculum and processes in high school that will serve as preparation for the study of advanced pre-engineering college mathematics and sciences.

This program will offer students who are interested in an engineering career the opportunity to develop a better understanding of requirements needed to enter this career field. Schools that are chosen to participate will provide field trips, speakers, and equipment to demonstrate real world engineering experiences.

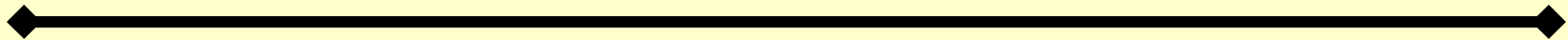
This opportunity will prepare students for college-level programs through the integration of technical and academic skills taught and practiced in lecture, discussion, lab work, individual and group projects and field experience. At the core of the model is a strong sequence of math and science courses that will provide the necessary foundation for an undergraduate engineering curriculum. The design of the program is intended to give students the opportunity to engage in the engineering design process and develop a skill set that is vital for engineers.

STEERING COMMITTEE

Chairman: Charles Nash, UA

Deans of Engineering:

- Phillip Farrington, UAHuntsville
- Larry Benefield, AU
- Legand Burge, Jr., TU
- Charles L. Karr, UA
- Linda Lucas, UAB
- Trent Montgomery, A & M
- John Steadman, USA
- Jorge Aunon, UAHuntsville
- Chris McDuffie, SDE
- John G. Heilman, AU, Provost
- Brenda Terry, AMSTEC



Selected Alabama High Schools

2007

- Athens High School
- Austin High School
- Benjamin Russell High School
- Bob Jones High School
- Buckhorn High School
- Decatur High School
- Foley High School
- Gardendale High School
- Hazel Green High School
- Lee High School
- Opelika High School
- Sparkman High School
- Sumter Co./Livingston High School
- Tallassee High School
- Troy Pike Center for Technology
- W.P. Davidson High School

New High School Selections 2008

- Brewbaker Technology Magnet High School
- Dothan Center for Technology
- Grissom High School
- Guntersville High School
- Hillcrest High School
- Paul W. Bryant High School

Additional Engineering Academy High Schools:

- Hoover High School
- Shades Valley High School
- Spain Park High School