

ENGAGING TOMORROW'S ENGINEERS



EMAGINE
YOUR FUTURE CLEMSON UNIVERSITY

Engineers are the great problem solvers of our time. The best engineers understand that it takes both excellent technical skills and imagination to see the opportunities others can't and to make ideas come alive.

EMAGINE is an educational program offered by Clemson University's College of Engineering, Computing and Applied Sciences that encourages middle and high school students to consider careers in engineering-related fields and recruits the state's top students for the profession.

Each year, daylong events are held across the state where thousands of students receive a truly transformative educational experience. EMAGINE participants have the opportunity to work closely with Clemson faculty and students to test their abilities, find solutions to diverse engineering challenges and learn what next steps they can take to prepare for college and a major in engineering.

The Need

Right now, the United States is behind most countries in the percentage of college graduates receiving degrees in engineering. Since more than 50 percent of job growth in the U.S. is dependent on engineers, our ability to produce graduates in engineering-related fields is more important than ever. A lack of engineers puts our quality of life and security at risk.

The Impact

Through EMAGINE activities that include electrical, computer, materials science and mechanical engineering, students discover a career that offers the chance to do work that is challenging and makes a difference. Engineering also has the highest employment and wage rate in the nation.

A major focus of EMAGINE is on minority and female students who are less likely to select engineering as their career choice. Last year, approximately 70 percent of participants were African-American and



50 percent were women. Reaching students who come from areas with a high poverty rate is also a top priority. Half of EMAGINE programs are hosted in counties that are among the poorest in the state.

In addition, EMAGINE hosts receptions for 11th grade students and their parents to hear about the many opportunities available in the field of engineering. This is a separate recruiting component intended to encourage our finest students to major in engineering.

An Invitation to Invest

Your support is needed in order for EMAGINE to continue reaching students who have never considered engineering and further inspire those who have.

Your gift could provide such vital needs as:

- Travel expenses
- Activity supplies
- Teacher/chaperone fees
- Lunch for participants

We invite you or your business to invest in EMAGINE and the future of engineering. Together, we can discover and foster the technical skills, creativity and vision of young people – abilities that will help meet the needs of our state and nation.