

Summer Program for Enhancing Engineering Development

Engineering Diversity Affairs developed a summer bridge program called the Summer Program for Enhancing Engineering Development (SPEED). This program is selective to women and underrepresented minority students and designed to attract different levels of students into the College of Engineering, prepare them for the rigors of engineering studies and acclimate them to life on campus through peer and networking opportunities.

SPEED includes two tracks: an academic track and a research track.

- The academic track is a selection of students who are qualified as 'high potential' students. We target students with an ACT math score in the range of 18-25 and are academically disadvantaged. As a result of the SPEED curriculum, students begin their freshman year taking entry level math, chemistry and physics courses instead of pre-requisites, they develop stronger study habits and create a support network including peers, faculty and staff.
- The research track is a selection of students who are qualified as 'high ability' students. These students hold a minimum ACT math score of 28, are ranked high in their class and embody exemplary communication skills. The students in the research track are individually paired with a mentor to focus on a specific research project.

SPEED has proven to be the deciding factor for students' undecided between two or three schools as it offers an experience at no additional cost to the students.

- Curriculum is conducive to individual learning styles
- Courses were developed by an engineering professor and post-doctoral student
- Professional Development workshops
- Acclimation to life on campus and the Ames Community

SUPPORT OPPORTUNITY

Investment for SPEED

\$5000 per student

Engineering students face a challenging transition into college. SPEED not only offers students the ability to prepare for the rigors of engineering studies through curriculum preparation, but also provides the ability to visualize themselves being an engineer. The skills and knowledge these students gain from this experience set them up to succeed as an engineer.



Engineering Diversity Affairs

Iowa State University

101 Marston Hall

Ames, Iowa 50011-2153

engrdiversity@iastate.edu

www.eng.iastate.edu/diversity