

ROSE-BUD PROGRAM

The Rose Building Undergraduate Diversity (ROSE-BUD) scholarship program will help you get to Rose-Hulman. This program is available to academically talented students majoring in electrical and computer engineering who demonstrate a financial need with special emphasis on women and minorities. Through the generosity of the National Science Foundation, the ROSE-BUD program not only provides financial support but also advising, mentoring, networking and professional development. This program has been designed just for you, to help you grow into one of the finest electrical or computer engineers in the country.



COMPUTERS ROBOTS WIRELESS SYSTEMS AUTOMOTIVE COMPONENTS CONTROL INSTRUMENTATION ELECTRIC POWER POWER TRANSMISSION LINES NAVIGATIONAL SYSTEMS GAMING SYSTEMS MEDICAL IMAGING INSTRUMENTATION ROBOTICS OPERATING SYSTEMS CIRCUIT BOARDS MICROCONTROLLERS COMPUTER NETWORKS COMPUTER ARCHITECTURE COMMUNICATION SYSTEMS

WANT TO CHANGE THE WORLD
BUT DON'T THINK YOU CAN?
ROSE-BUD PROGRAM

For additional information,
visit www.rose-hulman.edu/rosebud.

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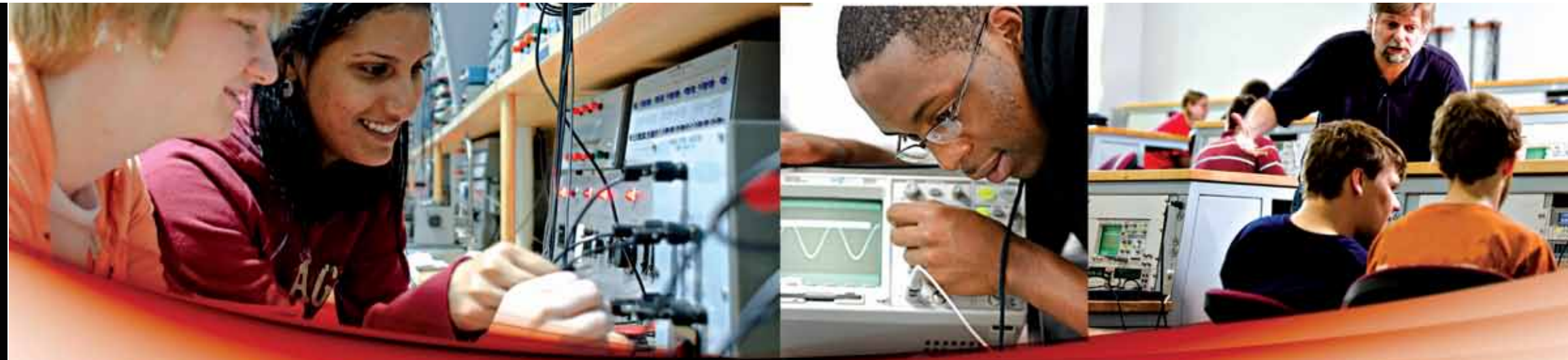
HERE'S HOW YOU CAN CHANGE THE WORLD...

Believe it or not, your math and science skills can help shape the world. You can use your talent in these areas to make the world a better place as an engineer, especially now when our country is seeking new talented engineers.

An engineer uses math and science to solve practical real-world problems by designing, maintaining and testing products, processes or systems.

One of the best ways to become an engineer is by attending Rose-Hulman Institute of Technology. Rose-Hulman is one of the leading undergraduate engineering colleges in the nation. Our four-year, accredited college educates engineers and scientists who help bring about change, not just adapt to it. We offer a challenging, problem-solving approach with lots of real-world, hands-on applications with personalized faculty attention.

Rose-Hulman has earned a reputation for excellence. Besides being recognized as #1 in undergraduate engineering education for a decade, we've also achieved special recognition in the Best Buys in College Education, Barron's Guide to the Most Prestigious Colleges, and Peterson's Competitive Colleges, to name a few.



JUST WHAT IS AN ELECTRICAL ENGINEER?

Electricity is everywhere and is used to power and control most modern-day devices, including televisions, automobiles and cellular phones. An electrical engineer solves problems related to the generation, delivery and use of electricity, electronics and electromagnetism. An electrical engineer could work in a lab, a plant or an office with such things as:

- Robots
- Wireless Systems
- Control Instrumentation
- Electric Power
- Navigational Systems
- Gaming Systems

An entry-level electrical engineer may earn an average salary between \$60,000 and \$90,000 a year.

What do Jerry Yang, Kees Schouhamer Immink, Percy LeBron Spencer and Rose-Hulman have in common?

They all have excelled in electrical engineering and show you the variety of ways an electrical engineer can change the world.

- Jerry Yang is co-founder and former CEO of Yahoo! Inc.
- Kees Schouhamer Immink is a researcher in the area of digital audio, video and data recording, including CD, DVD and Blu-Ray Disc.
- Percy LeBron Spencer is the inventor of the microwave oven.
- Rose-Hulman prepares you for discoveries in areas such as digital systems, controls, communication and power, just to name a few.

JUST WHAT IS A COMPUTER ENGINEER?

Computers are everywhere. They can put a spacecraft on Mars, break down DNA and create artificial intelligence. Computers are used by most people to surf the Internet, communicate via e-mail or instant messages, to do word processing, perform calculations or play games. A computer engineer typically has training in electronics and can research, design, develop and test computer hardware. A computer engineer might also write software for a computer system and work with technologies such as:

- Operating Systems
- Circuit Boards
- Microcontrollers
- Computer Networks and Architecture
- Communication Systems
- Keyboards

An entry-level computer engineer may earn an average salary of \$70,000 to \$100,000 a year.

What do Seymour Cray, Steve Wozniak, Douglas Engelbar and Rose-Hulman have in common?

They all excel in computer engineering.

- Seymour Cray is the designer of the first super computer.
- Steve Wozniak is the founder of Apple Computer.
- Douglas Engelbar invented the computer mouse.
- Rose-Hulman prepares you for innovation in areas like embedded system design, hardware-software integration and software design.

Now that you know about Rose-Hulman Institute of Technology, ROSE-BUD, and electrical and computer engineers, here's how to apply.

- Acceptance to Rose-Hulman Institute of Technology is the first step. Apply online at www.rose-hulman.edu/admissions.
- Upon acceptance to Rose-Hulman, apply online to the ROSE-BUD program at www.rose-hulman.edu/rosebud.
- Applications for incoming freshmen for the fall of 2010 are due March 1, 2010.
- Applications for transfer students are due April 15, 2010. (Indiana students must submit financial aid forms by March 1, 2010.)

At Rose-Hulman, your success is a team effort. We have developed a great support system through faculty and staff to help you broaden your capabilities so you, too, can help shape the world.

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