

WHO'S
DOING

DOER?



While DOER is ideal for small and medium enterprises (SMEs), companies of all sizes from a variety of industries have taken advantage of this unique partnership opportunity. Here are just a few of them:

- Amstore
- Emerald Spa Corporation
- Robert Morgan and Company
- Lorin Lighting Corporation
- Roman Manufacturing Company
- BISSELL
- WizWheelz
- YMCA of Grand Rapids

AREAS OF SPECIALITY

No matter what business you're in, we think the DOER Center may be able to help you do it better. We're experts in:

- Product design
- Manufacturing process design and development
- Embedded systems design
- Signal processing
- Semiconductor device characterization
- Characterization of fiber optics

www.gvsu.edu/engineering

To find out more about the DOER Center at Grand Valley State University and how your organization can benefit from a partnership with outstanding engineering students and faculty, please contact:

John Farris, Ph.D.
DOER Center Director
Grand Valley State University
223 John C. Kennedy Hall of Engineering
301 Fulton Street West
Grand Rapids, MI 49504

farrisj@gvsu.edu
(616) 331-7267



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DESIGN,
OPTIMIZATION,
EVALUATION, AND
REDESIGN

DOER CENTER

WELCOME TO THE GRAND VALLEY STATE UNIVERSITY

DOER CENTER



The Design, Optimization, Evaluation, and Redesign (DOER) Center was founded in 2006 to serve as an external consulting clearinghouse for the university's School of Engineering. The center matches clients with a team of faculty and students who apply their knowledge to solve advanced industrial problems. Students involved in the DOER center gain experience in product development applied research while clients enjoy top-quality, highly-supervised support at a negotiated low university rate.

WHY BE A DOER?

In addition to helping prepare the next generation of engineers by providing real-world learning experiences, your business will enjoy valuable and tangible benefits, including:

- The flexibility to increase your staffing on an existing or postponed project or to reallocate staffing to other projects
- Fastest growing engineering school offering ABET accredited programs
- Retention of all intellectual property affiliated with the project
- An academic partner who can help you seek government funding for innovative projects

STATE-OF-THE-ART FACILITIES

By partnering with GVSU, you gain the additional resources of nearly 85,000 square feet of project space in the John C. Kennedy Hall of Engineering and Fred M. Keller Engineering Laboratories, with state-of-the-art labs including a machine shop with CNC mills and lathes, welding capabilities, rapid prototyping and electronics design, CMM equipment, and a clean room, not to mention a great team of motivated and talented faculty and students.



Clean room

FIRST-RATE FACULTY

Every DOER team is led by one of our credentialed, experienced, and respected faculty members who takes the time to understand your company and its needs and to plan and execute the best possible solutions to your needs.



ABOUT OUR DOER STUDENTS

Building on design elements throughout their education, all Grand Valley engineering students complete their degrees with hands-on experience. Many projects are done as part of a class



John C. Kennedy Hall of Engineering

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and students are not paid for that work nor do companies pay for it.

For DOER projects, student design teams engage in real-world engineering challenges for actual paying clients. Most DOER projects are sponsored by industry organizations for which the students solve engineering design problems to produce an end product or devise or improve a process.

Students work in teams under the guidance of a faculty advisor and one or more technical liaisons from the sponsoring organization. In addition to regular meetings with their liaisons and



advisors, the student teams prepare weekly progress reports and document their work through interim written reports and oral presentations. Upon completing their projects, the student teams submit final written reports to their sponsors and formally present their results. Teams are encouraged to visit their sponsoring organization at least once during the course of the project.

Upon graduation, students in the GVSU engineering program pursue careers in engineering, construction management, finance, and teaching. Graduates have been recruited by companies such as GE Aviation Systems, Herman Miller, and Amway.



Fred M. Keller Engineering Laboratory