

A Winning Partnership

Our engineering and computer science co-op students can help your company transform innovative ideas into successful products and services. The College of Engineering and Computer Science (CECS) Co-op Office provides outstanding support and services by being a single point of contact to meet your company's needs.

The CECS Cooperative Education Program offers Companies:

- A university partner with a distinguished reputation for academic excellence
- Visual Collaboration: Videoconference interviewing capability
- A richly diverse, motivated, and technical savvy student body
- Easy access to special student populations, student organizations, and faculty
- Opportunities to be "ON CAMPUS" and online access to highly qualified students

www.engin.umd.umich.edu

What is Cooperative Education?



The College of Engineering and Computer Science (CECS) at the University of Michigan-Dearborn is a beneficial partner for industry and education. The link between academics and professionalism at the work site begins through cooperative education.

Hire the Best Engineering Co-op Students:

- CECS students are at the Junior, Senior or Graduate level
- All CECS students are pre-screened for co-op academic eligibility based on completion of coursework
- CECS students complete “The Co-op Lecture Series” on professionalism and work ethics
- CECS students are career-oriented, motivated, highly technical and eager to participate in co-op

Available Engineering Majors for Co-op:

- Mechanical Engineering
- Computer Engineering
- Industrial & Systems Engineering
- Manufacturing Engineering
- Electrical Engineering
- Computer Science
- Information Systems
- Software Engineering



“He shows a very good work ethic, works well and appropriately with all members of a global team, and approaches his responsibilities with a high level of enthusiasm.”

Engineering Team Leader – Cost Out Group
General Electric – Louisville, KY

*“Overall, he was an important asset to our project team.
He has all the necessary skills needed for the job environment.”*

IT Consultant Manager
Marathon Petroleum – Findlay, OH



Benefits for Employers

- Create a talent pool of intelligent, highly trained candidates for workforce development
- Students are skilled, ambitious and motivated non-permanent staff
- Reduces recruitment and initial training costs: Excellent HR strategy
- Cost-effective method to meet short-term employment needs
- Improve workforce diversity through better access to women and minority engineering students
- Enable experienced staff to maximize their time on advanced projects or take on additional assignments
- Complete projects at a reduced cost
- Co-op students bring an infusion of fresh perspectives and knowledge of new technology and trends to the workplace
- Year-round source of talented highly-motivated students
- Increase company profile on campus
- Opportunities to influence curriculum design and content
- Access to CECS faculty, labs, and facilities
- Enhance corporate profile and public relations



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“My co-op student shows sincere interest in the engineering subject matter. This goes a long way towards successfully working in diverse projects.”

Lead Engineer
General Electric – Louisville, KY

Co-op Student Availability (Full-Time)

Depending on the employer's needs and interest, students will complete four-month rotations that commence in January (Winter), May (Summer) or September (Fall). All students will be eligible to complete (at a minimum) two or more full-time co-op semesters (eight months).

The following are CECS co-op student schedule types:

1. Traditional Co-op Model (co-op/school/co-op)
Note: This schedule can begin in either the Fall, Winter or Summer Terms
2. Consecutive Terms
Note: Winter & Summer or Summer & Fall
3. Summer to Summer

How to Hire a CECS Co-op Student

1. Contact us with your company needs
2. Select co-op student(s) from our qualified referrals
3. Conduct interview(s) either on campus or your location
4. Inform us of your selection(s) when you hire co-op student(s)

Co-op Employer Responsibilities

1. Provide the student with a company overview and orientation of the co-op tasks and responsibilities
2. Assign a supervisor, manager, or mentor for student to report to
3. Provide relevant career-related projects and tasks with appropriate supervision
4. Complete a Student Performance Evaluation form at the end of term (company internal form is satisfactory)
5. Participate in an on-site visit from CECS co-op director
6. Provide appropriate co-op student compensation (determined by employer)

"She has grown into a dependable team member and has improved her design and drafting skills."

Project Manger
Fives Cinetic – Farmington Hills, MI





“Student was outstanding on picking up technical information and putting those concepts into practice.”

Power Systems Branch Chief
NASA – Houston, TX

Personalized Recruiting — Flexible Options to Meet Your Needs

The CECS Cooperative Education Program offers employers a comprehensive and centralized resource for their engineering co-op student needs. The Engineering Co-op Office provides employers the following assistance and services:

- Student pre-selection and pre-screening of potential student candidates
- Customized recruiting and interviewing activities either on campus or at your location
- Open invitation to conduct campus *Company Information Sessions or Workshops*
- Provide academic program information
- Connect employers with faculty
- Establish links to student organization leaders
- Resource for any other area of university needs or interest
- *The CECS Dean welcomes you to visit and tour the engineering facilities and campus*

SEVERAL CECS CO-OP PARTNERS:

Acromag Inc.

Altair Engineering

AM General

Apple Inc.

Arvin Meritor Inc.

Calsonic Kansei

Chrysler Group LLC

CMJ Designs, Inc.

Comerica

Compuware

DENSO International

DTE Energy

Federal Mogul Corporation

Fives Group

Ford Motor Company

Freescale, Inc.

General Electric

General Dynamics

Harman/Becker

Howden Buffalo, Inc.

Ijjin USA

Johnson Controls

Magna Testing

Marathon Petroleum

Masco Corporation

NASA

Nissan

Nokia Automotive

Robert Bosch Corporation

ROHM

Severstal N.A.

Solo World Partners

Tenneco Automotive

Terumo Medical

TK Holdings, Inc.

Toyota Technical Center

TRW Automotive

U.S. Army TACOM

U.S. Steel

Urban Science

Valassis

Vector Cantech, Inc.

Visteon Corporation

Xilinx

Yazaki N.A.

A Glance at the University of Michigan-Dearborn



ABOUT UM-DEARBORN

Founded in 1959 with a gift of 196 acres from Ford Motor Company, UM-Dearborn has been distinguished by its commitment to providing excellent educational opportunities responsive to the needs of southeastern Michigan. The university has developed into a comprehensive university offering undergraduate and master's degrees in arts and sciences, education, engineering and computer science, and business.

1100
Undergraduate
CECS Students

530
Graduate
Engineering
Students

The University of Michigan-Dearborn is fully accredited by the Higher Learning Commission and is a member of the North Central Association of Colleges and Schools.

THE STUDENT BODY

Presently, the campus attracts more than 8,600 of the best students in southeastern Michigan.

49.6%
Men

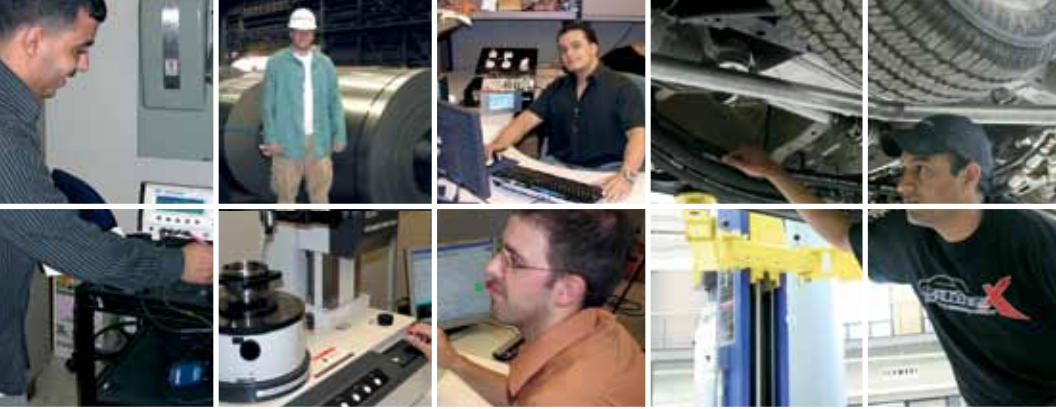
50.4%
Women

19%
Students of color

The College of Engineering and Computer Science Difference

- Nationally ranked university
- Engineering programs nationally accredited by *EAC & CAC of ABET* (Accreditation Board for Engineering and Technology)
- Ranked *6th best master's-level public university in the Midwest* in the 2009 edition of *U.S. News & World Report* "America's Best Colleges."
- *Institute for Advanced Vehicle Systems* (IAVS)
- *Engineering Professional Development* (EPD)
- *Vetronics Institute* (VI)





MISSION STATEMENT

The mission of the College of Engineering and Computer Science is to be the leader in providing quality undergraduate and graduate programs in an environment integrated with engineering practice, research, and continuing professional education, in close partnership with the industrial community.



COLLEGE OF ENGINEERING
AND COMPUTER SCIENCE

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