



Life's a Competition... Become a **MEM**ber of the Winning Team

What do mechanical engineers really do...

Mechanical Engineering is one of the broadest professions. Mechanical Engineers design and develop everything you think of as a machine—from supersonic fighter jets to toasters to bicycles. Many mechanical engineers influence products that aren't necessarily machines—shoes, light bulbs and doors. Mechanical engineers work in almost every industry, in private practice, in government, in medicine, in law, and in universities. Their work can take them anywhere including the bottom of the ocean - they design and work in deep-sea exploration bathyscaphes - and space - mechanical engineers are part of the team designing and building the space station *Freedom*, and fly as space shuttle astronauts. Other mechanical engineers cross over to other disciplines, working on everything from artificial organs to medical robotics.

Areas of specialization...

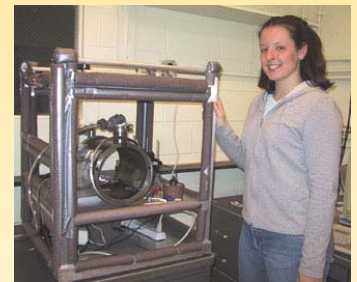
- Biomechanical Engineering
- Design and Manufacturing
- Mechanics & Structures
- Systems & Controls
- Thermal Fluid Science
- Aerospace

Research isn't just for graduate students...



MEM undergraduates did research in zero gravity aboard NASA's KC-135 "Vomit Comet"

I've learned a lot more by doing research, by doing things myself, than I would have just by sitting in a lecture hall. And I've formed a lot of personal relationships with my professors and advisors, which has been invaluable.



Mary Sullivan
Pre-Junior BS/PhD program



Anita Rebarchak
Pre-Junior

I chose MEM at Drexel because of its real-world, practical experience through Drexel Co-op, reputation for excellence in teaching and research, and its state-of-the-art engineering program and facilities.



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The Co-Op Experience...

The Drexel Plan of Co-Operative Education enables the undergraduate student to balance classroom theory with practical experience prior to graduation. Our Co-Ops earn an average of \$15,000 per Co-Op cycle. Here are just some of the companies that employ MEM Co-Ops:

- Black and Decker
- Boeing
- DuPont
- Exxon-Mobil
- Ford
- GE
- GM
- Kulicke & Soffa
- Lockheed Martin
- Naval Surface Warfare Center
- Peco Energy/Exelon
- Rohm & Haas
- Sunoco



I didn't start out knowing that I wanted to be an astronaut. It all started with a course in thermodynamics that made me want to become a mechanical engineer, from there I just did the things that interested me.

A native of Northeast Philadelphia, Christopher Ferguson '84 is currently a member of the STS-115 crew at NASA. His mission is scheduled to launch in November 2003

Life after graduation...

- 97% of MEM graduates in the class of 2003 had a job within 6 months of graduation
- 10% of MEM graduates in the class of 2003 are enrolled full-time in graduate school
- 47% of MEM graduates in the class of 2003 are employed by a co-op employer
- \$51,500 was the average salary for MEM graduates
- \$92,000 was the highest starting salary reported by MEM graduates in the class of 2003
- 99% of MEM graduates in the class of 2003 indicated that their co-op experience was important terms of increasing their knowledge in their major field of study

For more information please contact Joanne Ferroni at jmh49@drexel.edu or (215) 895-2288
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