

Why Co-op or Intern?

- Gain on-the-job work experience
- Apply classroom knowledge to real work situations
- Earn money toward education costs
- Evaluate career opportunities first-hand
- Enhance your resume with new achievements
- Travel opportunities in 32 states

Engineering Professional Practice matches the academic skills and career goals of College of Engineering students with the needs of employers that actively participate in the program.

Students in the co-op program have achieved a minimum of 30 credit hours and commit to a minimum of three work terms, which are normally alternated with school terms. With early registration and pre-planning, most students in the co-op program graduate in the same amount of time as non-participants.

Current co-op/intern employers include:

ACIPCO	Clean Air Engr.	Memphis Light Gas
Alcoa	Corps of Engineers	& Water
Altec Industries	DENSO	Messer
AT&T	Dow Chemical	Construction
BMW	Duke Energy	NASA
BorgWarner Turbo	DuPont	National
Systems	Eastman Chemical	Instruments
Brasfield & Gorrie	Eaton Corp.	ORNL
BSH Home	EMJ Corp.	Panasonic
Appliances	ExxonMobil	Rolls-Royce
BWXT-Y12	General Electric	Shaw Industries
Cisco Systems	International Paper	Southern Co.
City of Maryville	Kimberly-Clark	TVA

and many more!

Contact Information

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THE UNIVERSITY of TENNESSEE **UT** KNOXVILLE COLLEGE of ENGINEERING



Engineering Professional Practice

Co-op/Internship Assignment Information

<http://www.coop.utk.edu/>



Make Your Education Work for You

The University of Tennessee Engineering Professional Practice Office has been providing successful study-employment opportunities for engineering students since 1926. Co-op students increase their odds of successful employment after graduation by getting work experience while they are still in school.

Earn While You Learn

Students earn a competitive salary while on assignment. Visit coop.utk.edu for details.

Scholarships Available

Over \$70,000 in scholarships are awarded annually to qualified co-op students.

Travel Opportunities

Co-op and intern engineering assignments are currently available in 32 states.

On the front cover: *Aerospace Engineering student Nissa Smith is soaring high in her co-op with United Space Alliance, Cape Canaveral, Florida.*

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Adventures in Aviation



Bradley Haver worked a co-op with NASA at the John F. Kennedy Space Center in Florida. It was his fourth work term with the facility.

"With each term I complete, my responsibilities increase," Haver said. "I am able to begin a project and see the end result. I strongly feel that this position has helped and continues to help me better understand material learned in the classroom. The most valuable asset gained from my co-op with NASA is on-the-job experience. When I graduate and begin to look for a job, I know that engineering experience is the first thing a potential employer will look for, and having NASA on my resume isn't a bad place to start."

Navigating Nuclear

Carlos Juarez earned his Nuclear Engineering degree from The University of Tennessee. While at UT, he accepted a job with Southern Nuclear Company in Augusta, Georgia. He worked in the Nuclear Steam Supplies Systems group calculating the daily burn-up and axial off-set, as well as writing computer programs for operators and engineers with the company.

"Co-oping is a great opportunity to learn while in school. It helps to confirm your major. It's also a nice break from classes and allows you to see how your knowledge from classes applies in the real world," Juarez said.



Expanding Electrical



Electrical Engineering major Zack Crane worked with ExxonMobil in its Beaumont, Texas

Olefins and Aromatics plant. *"The bulk of my time was spent examining emergency shutdown systems for the Paraxylene unit," Crane said. "In the event that a hazardous process condition occurs, we have instrumentation (level, flow, temperature and pressure) that is specially designed to detect specific conditions and bring the process to a safe state. The whole system, from the level switch to the breaker that shuts off the pumps, needs to be periodically tested to ensure that the whole system works. My job was to determine how to go about testing all of these safety systems, and also what modifications would need to be made electrically during an upcoming planned outage to ensure that 100% of the systems are testable."*

Compounds in Chemistry



Jacob Buchkovich, a Chemical and Biomolecular Engineering major at UT, is shown during his third rotation co-op with Eastman Chemical in Kingsport, Tennessee.



Chemical Engineering major Jerrika Hall worked with Dow Chemical in South Charleston, West Virginia. She said: *"Dow's National Student Program is a*

great opportunity for college students. The setup of the program is organized very well, and the co-ops and interns are taken very good care of. This was a great experience for me and I am happy that I had this opportunity. I have been exposed to so many things beyond my imagination! I was very excited to go back to school and actually apply what I have learned this summer and the ability to have a mental picture in my head of what my professors are talking about."

Managing Mechanics



Nicole Birdwell is a mechanical engineering major who worked with Eaton Corporation in Cleveland, Tennessee. She said her experience at Eaton was *"outstanding"* and *"it was a great experience with very rewarding results and I hope to come back to Eaton again!"* Nicole recommends Eaton for not only mechanical majors like herself, but also for electrical and industrial engineering majors.

Civil Soars



Chris Rolison, a Civil Engineering major, stands on top of a 1.25 megawatt Signal Wind Energy wind turbine generator.

Chris worked for Signal Wind Energy, a contractor that provides services to the wind industry throughout North America, located in Chattanooga, Tennessee.

Get Started Today!

Why wait? Get started today!

Step 1: Register online (resume required)

Step 2: Make an appointment by calling **(865) 974-5323**.

It's that easy!