Directory of Engineering Cooperative Education & Intern Programs

2013: edition
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</table>
General Cooperative Education Program Information – Academic Year 2013

Total Co-op Staff: Professional 1 Other –
Co-op Administration Is: –

Traditional/Alternating Program ......................... –
Parallel Program ........................................ –
Extended Day Program ..................................... –
Other Programs ............................................. –

ENGR/ENGR Tech Co-op Enrollment
TOTAL 13

ENGR/ENGR Tech Co-op Terms (Placements)
TOTAL 13

Enrollment/Degree Information

Total University Enrollment............................................ Full-time 2,079 Part-time 352
Total ENGR/ENGR Tech Enrollment.............................. Full-time 393 Part-time 34
Number of ENGR/ENGR Tech Degrees Awarded...................... –

General Institutional Characteristics and Information

• Founded: 1836, one of the first coeducational institutions in the U.S. Private, non-sectarian, with state-sponsored programs in engineering and art and design. About 2,000 undergraduates and nearly 300 graduate students from 31 states and 20 countries attend full-time on the Alfred campus. The minority population is about 12%.

• Admission is selective. In general, admitted undergraduate students have an A, B+ or B high school average and the middle 50% have SAT scores between 1080 and 1280. Admitted graduate students should have a 3.0 GPA or better.

• Undergraduate research is the hallmark of an Alfred University degree. AU’s research programs and “Centers for Excellence” complement academic programs. Alfred University is accredited by: Middle States Commission on Higher Education, New York State Association of Colleges and Schools, New York State Education Department, Accreditation Board of Engineering and Technology (Programs in Ceramic Engineering, Glass Science Engineering, Material Sciences and Engineering, Electrical Engineering and Mechanical Engineering), Commission on Accreditation of Allied Health Education Professions (Athletic Training), National Association of Schools of Art and Design, American Chemical Society, Association to Advance Collegiate Schools of Business, International Association of Management Education, American Psychological Association, National Association of School Psychologists.
Notes

• Alfred University’s cooperative education program is a credit bearing, paid experience that consists of full-time work in industry or with a research organization. In general, a sponsoring organization agrees to employ students in paraprofessional technical positions in which the work experience has educational value. Students in AUs co-op program spend a minimum of one semester at an approved work site. The fall semester work period typically begins in late May and extends through the end of December and the spring semester work period begins in January and usually runs until the end of August. While it is preferred that the co-op work assignment include the summer months, employment during the summer is the employer's option since many companies have separate summer internship programs.

• The co-op program at Alfred University is not mandatory. Typically between 5-10 students a semester go on co-op, fulfilling a technical elective in their engineering program. Employers who typically hire students from Alfred University each term include: Kohler, CertainTeed, Alcoa, Ceralink, BorgWarner, Naval Research Lab, Cummins, Unifrax among many others.

• The Kazuo Inamori School of Engineering aims to provide academically challenging, inquiry-based programs to prepare technically proficient and broadly educated engineers and scientists at the bachelor, master, and doctoral levels. We strive to offer these programs in a student-centered environment with a strong commitment to the personal, professional, and ethical development of our students. We engage in research to provide a foundation for our educational programs, to advance the frontiers of knowledge, and to support economic growth. Faculty research is broad and includes topics such as: Biomaterials and Polymers, Ceramic and Powder Processing/Manufacturing, Design Optimization, Diffraction, Electronic Ceramics, Electronic Engineering, Glass, Mechanical Engineering, Mechanics of Materials, Microscopy and Surface Characterization, Optical Ceramics, Renewable Energy, Solid-State Chemistry, Thin-Film Processing, THz Materials Science and Ultrafast Materials Science.

• Through hands-on learning and real-world experience, graduates of the Inamori School of Engineering are ready to make a difference. Hands-on learning begins on the first day of classes. All first-year students tackle complex engineering problems in the Introduction to Engineering class, proposing new solutions to some of the world’s biggest challenges, such as clean water, affordable energy, and improved healthcare. In the first-year Engineering Explorations labs, students have an opportunity to learn what different engineering majors do while getting access to some of the best design tools and testing equipment available. Real-world experience provides our students with a competitive edge. Many courses feature project-based assignments where students work on teams to find solutions to open ended problems. Undergraduate students have unprecedented access to state-of-the-art research and design facilities both through formal classes and optional assignments in professors’ research labs.
### Engineering and/or Engineering Technology Cooperative Education Curricula Available

<table>
<thead>
<tr>
<th>Program</th>
<th>Co-op Required/Optional</th>
<th>Co-op Credit Awarded</th>
<th># of Co-ops at Work, Fall 2012</th>
<th># of Co-ops at Work, Winter 2013</th>
<th># of Co-ops at Work, Spring 2013</th>
<th># of Co-ops at Work, Summer 2013</th>
<th># of Unique Co-op Students Enrolled, AY 2012-2013</th>
<th>ABET/ACCE Accreditation</th>
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### Additional Program Information
- For the summer 2013 column above, we had two separate terms of students on co-op during this time, Spring 2013 co-ops were working through the spring semester and the summer 2013 (January-August), Fall 2013 co-ops were working through the summer 2013 and the Fall 2013 semester (May-December). Also, Biomaterials will seek ABET Accreditation during the next general review in 2017-18. Renewable Energy has not yet graduated their first class, though once they do graduate their first class, ABET Accreditation will be sought.
General Cooperative Education Program Information – Academic Year 2013

Dr. Kim M. Durbin : Director of Cooperative Education

mailing address : 261 West Magnolia Avenue, Auburn, AL 36849-5123
office location : 104 Ramsay Hall
p. 334.844.5410  f. 334.844.6414
durbikm@auburn.edu  www.auburn.edu/co-op

General Cooperative Education Program Information – Academic Year 2013

Total Co-op Staff: Professional 2  Other 2
Co-op Administration Is: Centralized

Traditional/Alternating Program ....................... Yes
Parallel Program .................................................................. No
Extended Day Program ........................................ No
Other Programs ......................................................... No

ENGR/ENGR Tech Co-op Enrollment
UnderGrad 1,921  Grad 7  TOTAL 1,928

ENGR/ENGR Tech Co-op Terms (Placements)
TOTAL 686

Enrollment/Degree Information

Total University Enrollment .......................................................... 24,092
Total ENGR/ENGR Tech Enrollment ........................................... 5,010
Number of ENGR/ENGR Tech Degrees Awarded ....................... 789

General Institutional Characteristics and Information

• Public Institution – Semester System
• Degrees Offered: Bachelors, Masters, PhD, Professional
• Residential campus located in a small town

Notes

• A grade point average (GPA) of at least 2.20 is required for students to participate in the program. Students must complete the first academic year prior to beginning the first co-op work assignment.

• At graduation time, students who accumulate 12 months or greater approved co-op work experience (one fall semester, one spring semester, and one summer semester) are awarded a co-op diploma/certificate in addition to their regular diploma.

• Program began in 1937. Approximately 21.5% of undergraduate students that graduate from the Samuel Ginn College of Engineering also graduate from the Co-op Program.

• Other Professional Staff: Jeff Brackin, Assistant Director (brackjl@auburn.edu)
### Engineering and/or Engineering Technology Cooperative Education Curricula Available

<table>
<thead>
<tr>
<th>Engineering Department</th>
<th>Co-op Required Optional</th>
<th>Co-op Credit Awarded Yes/No</th>
<th># of Co-ops at Work Fall 2012</th>
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<th># of Co-ops at Work Summer 2013</th>
<th># of Unique Co-op Students Enrolled AY 2012-2013</th>
<th>ABET/ACCE Accreditation Yes/No</th>
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General Cooperative Education Program Information – Academic Year 2013

Total Co-op Staff:  Professional 2  Other –

Co-op Administration Is: –

Traditional/Alternating Program .......... Honors
Parallel Program................................. –
Extended Day Program.............................. –
Other Programs ...................................... –

ENGR/ENGR Tech Co-op Enrollment
UnderGrad 9  Grad 3  TOTAL 12

ENGR/ENGR Tech Co-op Terms (Placements)
TOTAL –

Enrollment/Degree Information
Total University Enrollment................................. 39,000
Total ENGR/ENGR Tech Enrollment .......................... 3,300
Number of ENGR/ENGR Tech Degrees Awarded ............. 550

General Institutional Characteristics and Information
- Honors Co-op Program (HCP) one year internship
- Undergrads 3.0 GPA minimum, Graduate 3.5 minimum
- All internships are paid ($20-$30 range)

Notes
- Northrup-Grunman, Amgen, Rocketdyne, Medtronic and Crown Peak are our top employers.
- Program has been active for over 20 years. About 95% of the interns have received full time position offers of employment. Around 15% of the interns are female, and 20% are hispanic. Preferred location of employment is Los Angeles CA.
- Program has a fee of $3000.00/year and $500.00/student/year.
- Interns have to register for a total of 6 units for this program. The units do not count towards their degree
- Faculty mentors visit supervisors and interns every semester. Students have to write a comprehensive report every semester.
## Engineering and/or Engineering Technology Cooperative Education Curricula Available

<table>
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<th>CSUN college of Engineering and Computer Science</th>
<th>Co-op Required/Optional (R/O)</th>
<th>Co-op Credit Awarded (Yes/No)</th>
<th># of Co-ops at Work, Fall 2012</th>
<th># of Co-ops at Work, Winter 2013</th>
<th># of Co-ops at Work, Spring 2013</th>
<th># of Co-ops at Work, Summer 2013</th>
<th># of Unique Co-op Students Enrolled, AY 2012-2013</th>
<th>ABET/ACCE Accreditation (Yes/No)</th>
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### Additional Program Information
- The HCP is currently involved with interns from the school of business (all reporting to the Honors Co-op at the College of Engineering and Computer Science). This came about from requests from industry. We have been operating in this mode, very successfully, for two years.
Mary Rose Tichar: Director Cooperative Education  
mailing address: 10900 Euclid Ave, Cleveland, OH 44106  
office location: Nord Hall 304  
p. 216.368.4447  f. 216.368.0327  
mrt2@case.edu  www.engineering.case.edu/coop

General Cooperative Education Program Information – Academic Year 2013

Total Co-op Staff: Professional 2  Other .25
Co-op Administration Is: Case School of Engineering

Traditional/Alternating Program ............. Yes
Parallel Program.............................. Yes
Extended Day Program....................... No
Other Programs .............................. No

ENGR/ENGR Tech Co-op Enrollment
UnderGrad 116  Grad 14  TOTAL 130

ENGR/ENGR Tech Co-op Terms (Placements)
TOTAL 191

Enrollment/Degree Information

Total University Enrollment.......................... 10,026
Total ENGR/ENGR Tech Enrollment.................. 1,639
Number of ENGR/ENGR Tech Degrees Awarded........... 457

General Institutional Characteristics and Information

• Private Institution – Semester System  
• Degrees Offered: Bachelors, Masters, PhD  
• Urban Campus

Notes

• Requirements for co-op program: Full time student with a 2.5 GPA; completion of four semesters of coursework; approval from faculty co-op advisor.
<table>
<thead>
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<th>Engineering and/or Engineering Technology Cooperative Education Curricula Available</th>
<th>Co-op Required/Optional (R/O)</th>
<th>Co-op Credit Awarded (Yes/No)</th>
<th># of Co-ops at Work, Fall 2012</th>
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General Cooperative Education Program Information – Academic Year 2013

Total Co-op Staff: Professional 1 Other –
Co-op Administration Is: –

Traditional/Alternating Program ......................... Yes
Parallel Program........................................ Yes
Extended Day Program................................. –
Other Programs ........................................... –

ENGR/ENGR Tech Co-op Enrollment
UnderGrad 16 Grad – TOTAL 16
ENGR/ENGR Tech Co-op Terms (Placements)
TOTAL 16

Enrollment/Degree Information

Total University Enrollment................................................. 26,947
Total ENGR/ENGR Tech Enrollment ................................. 492/444
Number of ENGR/ENGR Tech Degrees Awarded .................. 54/114

General Institutional Characteristics and Information

• Third largest university in NC
• Located in Greenville (80 miles East of Raleigh)

Notes

• The College of Technology & Computer Science has four departments: Computer Science, Construction Management, Engineering and Technology Systems.
• The Department of Engineering was established in 2004, graduated its first class in 2008, and received full ABET accreditation in 2009.
• The Department of Engineering offers a BS in Engineering with concentrations in Industrial & Systems, Mechanical, Bioprocess, Biomedical, and Electrical.
• The Department of Technology Systems offers 5 undergraduate degree programs in Design, Industrial Distribution & Logistics, Industrial Engineering Technology, Industrial Technology and Information & Computer Technology.
• The Department of Technology Systems is accredited by the Association of Applied Technology Management and Applied Engineering (ATMAE).
### Engineering and/or Engineering Technology Cooperative Education Curricula Available

<table>
<thead>
<tr>
<th>Program</th>
<th>Co-op Required/Optional (R/O)</th>
<th>Co-op Credit Awarded (Yes/No)</th>
<th># of Co-ops at Work, Fall 2012</th>
<th># of Co-ops at Work, Winter 2013</th>
<th># of Co-ops at Work, Spring 2013</th>
<th># of Co-ops at Work, Summer 2013</th>
<th># of Unique Co-op Students Enrolled, AY 2012-2013</th>
<th>ABET/ACCE Accreditation (Yes/No)</th>
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<td>BS Industrial Engineering Technology</td>
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</table>

### Additional Program Information
- Our Engineering Co-op program is new – starting Fall 2013. Initial participation is limited to Mechanical and Electrical concentrations. Our intent is to offer co-op to all concentrations in the near future.
General Cooperative Education Program Information – Academic Year 2013

Total Co-op Staff: Professional 4 Other Part-time student assistant

Co-op Administration Is: 0

Traditional/Alternating Program .................Yes
Parallel Program.................................No
Extended Day Program..........................No
Other Programs ..................................NA

ENGR/ENGR Tech Co-op Enrollment
UnderGrad 1,910 Grad – TOTAL –

ENGR/ENGR Tech Co-op Terms (Placements)
UnderGrad 1,812 TOTAL 1,812

Enrollment/Degree Information

Total University Enrollment.................................16,085 Undergrad 7,916 Grad
Total ENGR/ENGR Tech Enrollment .........................10,038 Undergrad 4,442 Grad
Number of ENGR/ENGR Tech Degrees Awarded ..........1,816 Undergrad 1,403 Grad

General Institutional Characteristics and Information

• The Georgia Institute of Technology is one of the nation’s top research universities, distinguished by its deeply held commitment to improving the human condition through advanced science and technology.

Notes

• Georgia Tech has the fourth oldest co-op program in the United States. The program has been in continuous operation since 1912.

• Of the 14,480 students majoring in engineering in 2012-13, 32% were women.

• The top five work locations for undergraduate co-ops in 2012-13 were, in rank order, Georgia, South Carolina, Ohio, Texas, and North Carolina.

• A recent Georgia Tech analysis of retention rates showed that co-op/internship students are more likely to graduate within six years than students without any co-op or internship experience (94% vs. 73%).

• Approximately 30% of Georgia Tech Co-ops remain with their employer after graduation.

• In addition to the 1,910 undergraduate co-op work terms reported in this directory, Georgia Tech students completed 926 internships, 722 graduate work terms, and 156 international work terms in 33 different countries. Total work terms for 2012-13: 3,714.
## Engineering and/or Engineering Technology Cooperative Education Curricula Available

<table>
<thead>
<tr>
<th>Engineering and/or Engineering Technology</th>
<th>Co-op Required/Optional (R/O)</th>
<th>Co-op Credit Awarded (Yes/No)</th>
<th># of Co-ops at Work, Fall 2012</th>
<th># of Co-ops at Work, Winter 2013 (if applicable quarter/semester)</th>
<th># of Co-ops at Work, Spring 2013</th>
<th># of Co-ops at Work, Summer 2013</th>
<th># of Unique Co-op Students Enrolled, AY 2012-2013</th>
<th>ABET/ACE Accreditation (Yes/No)</th>
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<tr>
<td>Aerospace Engineering</td>
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<td>5</td>
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</table>

*Co-ops are registered in an audit-credit course during their work terms. Co-ops who complete at least three work terms (two of which must be in a fall or a spring) earn a co-op designation on their degree.

### Additional Program Information

- Non-engineering/non-computing co-ops completed 98 of 1,910 total work terms during 2012-13.

### Top 10 Undergraduate Co-op Employers for 2012-13

- Georgia Tech Research Institute
- Delta Air Lines
- Mckinney’s, Inc.
- General Electric Company
- The Coca-Cola Company
- Southern Company
- Kimberly-Clark Corporation
- AutoTrader
- Cbeyond
- Manhattan Associates
**General Cooperative Education Program Information – Academic Year 2013**

Total Co-op Staff: Professional 1  Other .5  
Co-op Administration Is: Centralized

Traditional/Alternating Program .......................Yes  
Parallel Program ............................................No  
Extended Day Program .................................No  
Other Programs .................................No

**ENGR/ENGR Tech Co-op Enrollment**  
UnderGrad  222  Grad  5  TOTAL  227

**ENGR/ENGR Tech Co-op Terms (Placements)**  
TOTAL 3

**Enrollment/Degree Information**  
Total University Enrollment ........................................................... 24,654  
Total ENGR/ENGR Tech Enrollment .............................................. 867  
Number of ENGR/ENGR Tech Degrees Awarded ............................... 76

**General Institutional Characteristics and Information**  
- Public Institution – Semester System  
- Degrees Offered: Bachelors, Masters

**Notes**  
- Requirements for participation in co-op program: Obtain secondary admission prior to beginning the first co-op term. Completion of first two years of engineering program, ‘C’ or better in each engineering course. (GPA of 2.7+)
- Required courses include a co-op preparation course.  
- Co-op is required for all undergraduate engineering. (3 work semesters)  
- Internships are optional for Biomedical engineering masters. (1 work semester)
## Engineering and/or Engineering Technology Cooperative Education

### Curricula Available

<table>
<thead>
<tr>
<th>Program</th>
<th>Co-op Required/Optional (R/O)</th>
<th>Co-op Credit Awarded (Yes/No)</th>
<th># of Co-ops at Work, Fall 2012</th>
<th># of Co-ops at Work, Winter 2013</th>
<th># of Co-ops at Work, Spring 2013</th>
<th># of Co-ops at Work, Summer 2013</th>
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<td>Product Design &amp; Manufacturing Engineering</td>
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</table>

### Additional Program Information
- Interdisciplinary engineering is ABET accredited under the general engineering program.
- Product design and manufacturing engineering is ABET accredited under the manufacturing engineering program.
- Biomedical Engineering is a master’s program that requires a one semester co-op.
Jennifer Williams : Director of Career Services  
mailing address : 799 W. Michigan Street, ET 101, Indianapolis, IN 46202  
office location : ET 101  
p. 317.274.0805 f. 317.274.4567  
jlw25@iupui.edu www.etcareers.iupui.edu

General Cooperative Education Program Information – Academic Year 2013
Total Co-op Staff: Professional 3 Other –
Co-op Administration Is: –

Traditional/Alternating Program .................... Yes
Parallel Program ...................................... Yes
Extended Day Program ................................ –
Other Programs ...................................... –

ENGR/ENGR Tech Co-op Enrollment
UnderGrad – Grad – TOTAL –
ENGR/ENGR Tech Co-op Terms (Placements)
TOTAL 37

Enrollment/Degree Information
Total University Enrollment ........................................ 30,500
Total ENGR/ENGR Tech Enrollment .............................. 2,800
Number of ENGR/ENGR Tech Degrees Awarded .............. 370

General Institutional Characteristics and Information
• Indiana’s premier urban university, located in downtown Indianapolis
• Over 30,000 students in more than 250 degree programs offered by 20 schools
• A leader in curriculum development for industry needs, e.g., nation’s first four-year degree in motor-sports engineering

Notes
• In 2012, IUPUI ranked 7th by *U.S. News and World Report* in “Up-and-Coming National Universities.”
### Engineering and/or Engineering Technology Cooperative Education Curricula Available

<table>
<thead>
<tr>
<th></th>
<th>Co-op Required/Optional (R/O)</th>
<th>Co-op Credit Awarded (Yes/No)</th>
<th># of Co-ops at Work, Fall 2012</th>
<th># of Co-ops at Work, Winter 2013</th>
<th># of Co-ops at Work, Spring 2013</th>
<th># of Co-ops at Work, Summer 2013</th>
<th># of Unique Co-op Students Enrolled, AY 2012-2013</th>
<th>ABET/ACCE Accreditation (Yes/No)</th>
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<td>Motorsports Engineering</td>
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<td>Electrical Engineering Technology</td>
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</table>
General Cooperative Education Program Information – Academic Year 2013

Total Co-op Staff: Professional 30  Other 2.5

Co-op Administration Is: –

Traditional/Alternating Program ...................Yes
Parallel Program.........................................Yes
Extended Day Program.................................Yes
Other Programs .........................................Yes

ENGR/ENGR Tech Co-op Enrollment
UnderGrad 2,000  Grad 0  TOTAL 93

ENGR/ENGR Tech Co-op Terms (Placements)
TOTAL 35

Enrollment/Degree Information
Total Enrollment .............................................38,671 (23,785 credit only)
Total ENGR/ENGR Tech Enrollment .......................123
Number of ENGR/ENGR Tech Degrees Awarded ..........2 AAS degrees

General Institutional Characteristics and Information
• 2-year transfer and career technical degrees

Notes
• Lane has offered Cooperative Education courses for over 45 years. Close to 2,000 students a year take co-op courses. 95% of Lane’s career technical degrees require at least one three credit co-op course for degree completion.
• Most co-op students enroll for credit and a grade with the exception of some health professions. Each discipline determines criteria for student preparation for a co-op in their field. Students are not required to have a particular GPA or standing in school to take a co-op course.
• Lane does not differentiate among internships, co-ops, and practicums. All of these types of experiences are called Co-ops and follow the same institutional expectations and guidelines.
Notes

• Lane co-ops are supervised by faculty (Co-op Coordinators) in a seamless, one-stop system. Co-op Coordinators work with employers to develop co-op sites, help the employer select co-op students, visit the student at the work site, require co-op assignments of the student and grade at the end of the term based on student work and site supervisor evaluation. Co-op is part of a faculty member’s regular work load, not an overload. Some co-op coordinators are full time co-op and do not teach in a discipline while others are only partially co-op (.2 to .8 FTE) while teaching content courses in their discipline. In a few disciplines faculty are paid by the student because there are very few students for example journalism.

• Lane structures co-op experiences to fit student and employer needs and program requirements therefore Lane has an open entry-open exit approach.

Engineering and/or Engineering Technology Cooperative Education Curricula Available

<table>
<thead>
<tr>
<th></th>
<th>Co-op Required/Optional (R/O)</th>
<th>Co-op Credit Awarded (Yes/No)</th>
<th># of Co-ops at Work, Fall 2012</th>
<th># of Co-ops at Work, Winter 2013</th>
<th># of Co-ops at Work, Spring 2013</th>
<th># of Co-ops at Work, Summer 2013</th>
<th># of Unique Co-op Students, AY 2012-2013</th>
<th>ABET/ACCE Accreditation (Yes/No)</th>
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Additional Program Information

• Co-op
General Cooperative Education Program Information – Academic Year 2013

Total Co-op Staff:  Professional .25  Other .25
Co-op Administration Is: .50

Traditional/Alternating Program .................. Yes
Parallel Program ............................................ Yes
Extended Day Program ................................. No
Other Programs ............................................. No

ENGR/ENGR Tech Co-op Enrollment
UnderGrad  33  Grad  14  TOTAL  45

ENGR/ENGR Tech Co-op Terms (Placements)
TOTAL –

Enrollment/Degree Information

Total University Enrollment .................................................. 29,865
Total ENGR/ENGR Tech Enrollment .......................... 3,232
Number of ENGR/ENGR Tech Degrees Awarded ............. 794

<p>| Engineering and/or Engineering Technology Cooperative Education Curricula Available |
|---------------------------------------------|-------------------------------|-------------------------------|-----------------------------|-----------------------------|</p>
<table>
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<tr>
<th>Co-op Required/Optional (R/O)</th>
<th>Co-op Credit Awarded (Yes/No)</th>
<th># of Co-ops at Work, Fall 2012</th>
<th># of Co-ops at Work, Winter 2013</th>
<th># of Co-ops at Work, Spring 2013</th>
<th># of Unique Co-op Students Enrolled, Fall 2012</th>
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General Cooperative Education Program Information – Academic Year 2013

Total Co-op Staff: Professional 4  Other –
Co-op Administration Is: College Centralized

Traditional/Alternating Program .............. Yes
Parallel Program........................................ Yes
Extended Day Program.......................... No
Other Programs ...........................................

ENGR/ENGR Tech Co-op Enrollment
UnderGrad 176  Grad 2  TOTAL 178

ENGR/ENGR Tech Co-op Terms (Placements)
TOTAL 178

Enrollment/Degree Information

Total University Enrollment.................................................. 49,343
Total ENGR/ENGR Tech Enrollment....................................... 4,920
Number of ENGR/ENGR Tech Degrees Awarded..................... 540

General Institutional Characteristics and Information

• Public Land Grant Institution
• 4-year
• Graduate programs through doctorate level

Notes

• Applied Engineering Science program combines engineering with one of several interdisciplinary cognates, including but not limited to: Supply Chain, Packaging, Information Technology.
• Computer Science and Computer Engineering are separate BS Engineering degrees.
## Engineering and/or Engineering Technology Cooperative Education Curricula Available

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<th>Field of Study</th>
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<th># of Co-ops at Work, Winter 2013</th>
<th># of Co-ops at Work, Spring 2013</th>
<th># of Co-ops at Work, Summer 2013</th>
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General Cooperative Education Program Information – Academic Year 2013

Total Co-op Staff: Professional 1 Other .5

Co-op Administration Is: –

Traditional/Alternating Program ......................... Yes
Parallel Program ........................................ Yes
Extended Day Program ................................... No
Other Programs ............................................ No

ENGR/ENGR Tech Co-op Enrollment
UnderGrad 295 Grad 72 TOTAL 367

ENGR/ENGR Tech Co-op Terms (Placements)
TOTAL –

Enrollment/Degree Information

Total University Enrollment ........................................ 8,000 +
Total ENGR/ENGR Tech Enrollment ............................. 75%
Number of ENGR/ENGR Tech Degrees Awarded ............ 79%

General Institutional Characteristics and Information

• STEM school (science, technology, engineering, math)
• Public/Land Grant
• Research

Notes

• S&T students with co-op experience have a 7% higher starting salary (approximately $5000) than those without co-op.
• S&T students with co-op experience have 1.5 higher odds of obtaining full-time employment at graduation than those without co-op.
• Co-ops in 31 states and 3 international locations in the 2012-2013 academic year.
• Average S&T undergraduate co-op salary is $3,099/month. Average S&T graduate co-op salary is $4,218/month.
## Engineering and/or Engineering Technology Cooperative Education Curricula Available

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<th># of Co-ops at Work, Spring 2013</th>
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**Totals** | 199 | 188 | 137 | 345
General Cooperative Education Program Information – Academic Year 2013

Total Co-op Staff: Professional 2  Other 2

Co-op Administration Is: –

Traditional/Alternating Program .................. Yes
Parallel Program ........................................ Yes
Extended Day Program ................................. –
Other Programs ........................................... –

ENGR/ENGR Tech Co-op Enrollment
UnderGrad 140  Grad 12  TOTAL 152

ENGR/ENGR Tech Co-op Terms (Placements)
TOTAL –

Enrollment/Degree Information

Total University Enrollment ....................................... 17,651
Total ENGR/ENGR Tech Enrollment ............................ 2,570
Number of ENGR/ENGR Tech Degrees Awarded ..................... –

General Institutional Characteristics and Information

• Land-Grant Institution
• Hispanic-Serving Institution
Engineering and/or Engineering Technology Cooperative Education Curricula Available

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<th>Co-op Credit Awarded (Yes/No)</th>
<th># of Co-ops at Work, Fall 2012</th>
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<th># of Co-ops at Work, Spring 2013</th>
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<th># of Unique Co-op Students Enrolled, AY 2012-2013</th>
<th>ABET/ACCE Accreditation (Yes/No)</th>
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</table>

Additional Program Information

- The New Mexico State University Cooperative Education and Internship program is centralized and all Cooperative Education and Internship work assignments are self-reported by the students.
**General Cooperative Education Program Information – Academic Year 2013**

Total Co-op Staff: Professional 4 Other 2  
Co-op Administration Is: Centralized  

Traditional/Alternating Program ..........Yes  
Parallel Program............................No  
Extended Day Program.........................No  
Other Programs.................................No  

ENGR/ENGR Tech Co-op Enrollment  
UnderGrad 610 Grad 457 TOTAL –  

ENGR/ENGR Tech Co-op Terms (Placements)  
TOTAL 1,068  

**Enrollment/Degree Information**

Total University Enrollment..............................34,340  
Total ENGR/ENGR Tech Enrollment.....................8,912  
Number of ENGR/ENGR Tech Degrees Awarded........2,159  

**General Institutional Characteristics and Information**

- Public Institution – Semester System  
- Degrees Offered: Bachelors, Masters, PhD  
- Land Grant  

**Notes**

- Land Grant, Research 1 University located in the center of Raleigh in the Research Triangle area of North Carolina  
- Co-op Program is centralized for the University for all majors, undergraduate and graduate level.
### Engineering and/or Engineering Technology Cooperative Education Curricula Available

<table>
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<th>Curricula Available</th>
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<td>–</td>
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</tr>
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<td>No</td>
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<td>–</td>
<td>2</td>
<td>5</td>
<td>2</td>
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<td>Paper Science Engineering</td>
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<td>Textile Engineering</td>
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<td>1</td>
<td>–</td>
<td>1</td>
<td>1</td>
<td>1</td>
<td>Yes</td>
</tr>
</tbody>
</table>

### Totals

|                | 252 | 264 | 551 | 861 |

### Additional Program Information

- Computer Science is accredited by CAC
- Co-op Program is accredited by the Accreditation Council for Cooperative Education
- Graduate co-op program enrollment included in this listing
- Graduate level co-op students can work a Parallel term
General Cooperative Education Program Information – Academic Year 2013

- Total Co-op Staff: Professional 12 Other 2
- Co-op Administration Is: –
- Traditional/Alternating Program ................. Yes
- Parallel Program.............................................. No
- Extended Day Program................................. No
- Other Programs .............................................. No

ENGR/ENGR Tech Co-op Enrollment
- UnderGrad – Grad – TOTAL –

ENGR/ENGR Tech Co-op Terms (Placements)
- TOTAL 2

Enrollment/Degree Information
- Total University Enrollment .................................................. 18,310
- Total ENGR/ENGR Tech Enrollment .......................... 2,956
- Number of ENGR/ENGR Tech Degrees Awarded ................. –

Notes

Program History
- Northeastern's cooperative education program, founded nearly a century ago in the College of Engineering, is one of the largest and most innovative in the world. Students gain up to 18 months of professional experience with the 600 engineering employers across 33 states and around the globe.

Gender Breakdown
- Male: 79%
- Female: 21%

Ethnicity
- Foreign: 12%
- Domestic Minority: 19%
- Domestic White: 57%
- Domestic Unknown: 12%

Minority includes: Asian, African-American, Hispanic, Native-American, Native Hawaiian/Pacific Islander

Percentage of Participation
- 399/420 (95%) participated*

* Represents 2012-2013 graduates
Notes

Retention Rate
- For Fall 2012 Cohort, Freshman to Sophomore year: 96.8%

Top 25 Employers – Alphabetically Listed

1. Analogic 14. Johnson & Johnson DePuy Synthes
2. Barletta Engineering 15. Judau OHL Group
5. Charles Stark Draper Laboratory 18. Metalor
7. Civitas Therapeutics 20. NxStage Medical
10. EMC 23. Simpson Gumpertz and Heger
11. GE 24. Turner Construction
13. Instron Corporation

Top Locations 10 Locations – Listed most to least

1. Massachusetts 6. Ohio
2. California 7. Vermont
5. Rhode Island 10. Florida

Co-op Salary Ranges
- $15/hr - $35/hr
General Cooperative Education Program Information – Academic Year 2013

Total Co-op Staff: Professional 1  Other 1

Co-op Administration Is: Decentralized

Traditional/Alternating Program ................. Yes
Parallel Program............................................... No
Extended Day Program................................. No
Other Programs .............................................. No

ENGR/ENGR Tech Co-op Enrollment
UnderGrad 448  Grad 0  TOTAL 448

ENGR/ENGR Tech Co-op Terms (Placements)
TOTAL 49

Enrollment/Degree Information

Total University Enrollment................................. 3,619
Total ENGR/ENGR Tech Enrollment....................... 448
Number of ENGR/ENGR Tech Degrees Awarded ............. 80

General Institutional Characteristics and Information

- Ohio Northern University is an independent, comprehensive University that combines nationally ranked sciences, arts and professional programs in its five colleges: Arts & Sciences, Business Administration, Engineering, Pharmacy and Law.
- ONU was established in 1871 and has been affiliated with the United Methodist Church since 1899.
- ONU offers a scenic, safe and modern campus that rests on nearly 342 acres in the village of Ada, Ohio (population 5,582).

Notes

- Through the efforts of Dean Bruce Burton and a faculty member in mechanical engineering, the Engineering Cooperative Education Program at Ohio Northern University began in 1987 with students from the mechanical and electrical engineering majors. Participation by civil engineering majors followed in 1990. Computer engineering majors began participation in the co-op program in 1997 and computer science and engineering education majors’ participation began when those majors joined the college during more recent years.
- Students planning to participate in an ONU cooperative education program typically must have completed their sophomore year and maintained a minimum GPA of 2.50/4.00 to be eligible. A minimum of three co-op terms must be completed to complete the co-op program.
Notes


- The placement rates for all ONU graduates, co-op and non-co-op, six months after graduation have averaged more than 93 percent for each of the past seven years.

### Engineering and/or Engineering Technology Cooperative Education Curricula Available

<table>
<thead>
<tr>
<th>Co-op Required/Optional (R/O)</th>
<th>Co-op Credit Awarded (Yes/No)</th>
<th># of Co-ops at Work, Fall 2012</th>
<th># of Co-ops at Work, Winter 2013</th>
<th># of Co-ops at Work, Spring 2013</th>
<th># of Unique Co-op Students Enrolled, AY 2012-2013</th>
<th>ABET/ACCE Accreditation (Yes/No)</th>
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<tr>
<td>Civil Engineering</td>
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<td>2</td>
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<td>3</td>
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<td>5</td>
<td>1</td>
<td>2</td>
<td>8</td>
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<td>Mechanical Engineering</td>
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**Totals**                                                                                       17        18        14        62
Dean Pidcock : Director of Professional Experiences  
mailing address : 181 Stocker Center  
office location : Athens, OH 45701  
   p. 740.593.0894   f. 740.593.4960  
pidcockd@ohio.edu  
www.ohio.edu/engineering/academics/coops/index.cfm

General Cooperative Education Program Information – Academic Year 2013

Total Co-op Staff: Professional 2  Other 0  
Co-op Administration Is: Centralized

Traditional/Alternating Program .................. Yes  
Parallel Program........................................ No  
Extended Day Program................................. No  
Other Programs ........................................... No

ENGR/ENGR Tech Co-op Enrollment  
UnderGrad 107  Grad 0  TOTAL –  

ENGR/ENGR Tech Co-op Terms (Placements)  
TOTAL –

Enrollment/Degree Information

Total University Enrollment............................................................ 21,724  
Total ENGR/ENGR Tech Enrollment .............................................. 1,787  
Number of ENGR/ENGR Tech Degrees Awarded ......................... 299

General Institutional Characteristics and Information

• Public Institution – Semester System  
• Degrees Offered: Bachelors, Masters, PhD  
• Rural Campus

Notes

• Student requirements: Overall and engineering GPA of 2.5; Completed 30 credits; Required commitment to work one, worksite semester with same employer (some employers require multiple semesters).  
• Student participation is optional. While it is not a graduation requirement to participate in the program, participation is strongly encouraged.  
• Students enroll in a career orientation course before participating in the program.
Engineering and/or Engineering Technology Cooperative Education Curricula Available

<table>
<thead>
<tr>
<th></th>
<th>Co-op Required/Optional (R/O)</th>
<th>Co-op Credit Awarded (Yes/No)</th>
<th># of Co-ops at Work, Fall 2012</th>
<th># of Co-ops at Work, Winter 2013</th>
<th># of Co-ops at Work, Spring 2013</th>
<th># of Co-ops at Work, Summer 2013</th>
<th># of Unique Co-op Students Enrolled, AY 2012-2013</th>
<th>ABET/ACCE Accreditation (Yes/No)</th>
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<tr>
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<td></td>
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<td>0</td>
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<td>6</td>
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</table>
Emanuel Contomanolis : Director of Cooperative Education and Career Services, and Associate VP of RIT

mailing address : 57 Lomb Memorial Drive, Rochester, NY 14623
office location : Bausch & Lomb Center
p. 585.475.5464  f. 585.475.5476
emcoce@rit.edu  www.rit.edu/oce

General Cooperative Education Program Information – Academic Year 2013

Total Co-op Staff: Professional 20  Other 6

Co-op Administration Is: Centralized

Traditional/Alternating Program .................. Yes
Parallel Program............................................ No
Extended Day Program................................. No
Other Programs ............................................ Yes

ENGR/ENGR Tech Co-op Enrollment
UnderGrad 14,750  Grad 2,900  TOTAL −

ENGR/ENGR Tech Co-op Terms (Placements)
TOTAL 2,993

Enrollment/Degree Information

Total University Enrollment ........................................................ 17,650
Total ENGR/ENGR Tech Enrollment ........................................... 3,638
Number of ENGR/ENGR Tech Degrees Awarded ......................... 807

General Institutional Characteristics and Information

• Private University
• Degrees Offered: Associates, Bachelors, Masters, PhD
• Suburban Campus

Notes

• Requirements for participation in co-op program: students must have a minimum 2.0 GPA and have completed the first two years of their engineering or engineering technology curriculum prior to going out on co-op. All undergraduate engineering and engineering technology students are required to complete at least 50 weeks of co-op work for degree certification.

• The Software Engineering program resides in the College of Computing and Information Sciences and not in the College of Engineering (COE) however, for the purposes of this report, the SW Engineering student numbers and placements are included in the COE total.

• Other undergraduate RIT curricula requiring co-op include all college of business programs; all computing and it programs; game design and development; bioinformatics; biomedical photographic communications; imaging and photographic technology; packaging science; environmental management; architecture.

• RIT’s Co-op Program, began in 1912 and is one of the oldest and largest programs in the world.
### Engineering and/or Engineering Technology Cooperative Education Curricula Available

<table>
<thead>
<tr>
<th>Engineering Program</th>
<th>Co-op Required/Optional (R/O)</th>
<th>Co-op Credit Awarded (Yes/No)</th>
<th># of Co-ops at Work, Fall 2012</th>
<th># of Co-ops at Work, Winter 2013</th>
<th># of Co-ops at Work, Spring 2013</th>
<th># of Co-ops at Work, Summer 2013</th>
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<th>ABET/ACCE Accreditation (Yes/No)</th>
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<td>Biomedical Engineering</td>
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<td>12</td>
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<td>30</td>
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<td>30</td>
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<td>15</td>
<td>38</td>
<td>89</td>
<td>113</td>
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<td>Manufacturing Engineering Technology</td>
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<td>5</td>
<td>7</td>
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<td>15</td>
<td>24</td>
<td>Yes</td>
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<tr>
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<td>152</td>
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<td>250</td>
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<tr>
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<td>3</td>
<td>15</td>
<td>Yes</td>
</tr>
</tbody>
</table>

**Totals**                                         |                               |                               | 611                             | 503                             | 554                             | 1,325                           | 1,892                             |
General Cooperative Education Program Information – Academic Year 2013

Total Co-op Staff: Professional 2  Other 1
Co-op Administration Is: Centralized

Traditional/Alternating Program: Yes
Parallel Program: Yes
Extended Day Program: No
Other Programs: No

ENGR/ENGR Tech Co-op Enrollment
UnderGrad 141  Grad 7  TOTAL 148

ENGR/ENGR Tech Co-op Terms (Placements)
TOTAL 148

Enrollment/Degree Information

Total University Enrollment: 2,624
Total ENGR/ENGR Tech Enrollment: 2,496
Number of ENGR/ENGR Tech Degrees Awarded: BS 250  MS/PhD 35

General Institutional Characteristics and Information

- Sixteen academic departments offer more than 35 engineering or science degree programs at the baccalaureate, masters, and doctoral levels.
- One of “America’s Best College Buys” 14 consecutive years. 80% of students attend full-time. Students from 45 states and 37 countries.
- 78% of 2013 BS graduates reported obtaining co-op or internship experience before graduating.

Notes

- Founded in 1885, the South Dakota School of Mines and Technology has a proud ‘legacy of excellence’ in preparing graduates to serve as leaders in engineering and science. Sixteen academic departments offer more than 35 degree programs at the baccalaureate, masters, and doctoral levels. In small, interactive classes and within state-of-the-art facilities and laboratories, our 2,500+ students collaborate with more than 100 award-winning faculty on engineering and scientific issues of critical importance to South Dakota, the nation, and the world.
- Average placement rate - 98%; Average starting salary of graduates - $62,400.
- Enrollment by gender - Men: 77%, Women: 23% First-to-second-year retention - 79%
Notes


### Engineering and/or Engineering Technology Cooperative Education Curricula Available

<table>
<thead>
<tr>
<th>Engineering Area</th>
<th>Co-op Required/Optional (R/O)</th>
<th>Co-op Credit Awarded (Yes/No)</th>
<th># of Co-ops at Work, Fall 2012</th>
<th># of Co-ops at Work, Winter 2013 (if applicable quarter/semester)</th>
<th># of Co-ops at Work, Spring 2013</th>
<th># of Co-ops at Work, Summer 2013</th>
<th># of Unique Co-op Students Enrolled, AY 2012-2013</th>
<th>ABET/ACCE Accreditation (Yes/No)</th>
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<tbody>
<tr>
<td>Chemical Engineering</td>
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<td>Civil &amp; Environmental Engineering</td>
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<tr>
<td>Electrical &amp; Computer Engineering</td>
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<td>3</td>
<td>6</td>
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<td>Geology &amp; Geological Engineering</td>
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<td>Industrial Engineering &amp; Engineering Management</td>
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<td>Yes</td>
<td>4</td>
<td>3</td>
<td>3</td>
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<td>2</td>
<td>1</td>
<td>3</td>
<td>7</td>
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<tr>
<td>Mechanical Engineering</td>
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<td>16</td>
<td>24</td>
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<td>6</td>
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<td>Mining Engineering</td>
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<td>11</td>
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</table>

**Totals**: 42 53 27 33 140
General Cooperative Education Program Information – Academic Year 2013

Total Co-op Staff:  Professional 1  Other 3
Co-op Administration Is: –

Traditional/Alternating Program .................. Yes
Parallel Program ........................................ No
Extended Day Program ............................... No
Other Programs ............................................. No

ENGR/ENGR Tech Co-op Enrollment
UnderGrad  133  Grad –  TOTAL 133

ENGR/ENGR Tech Co-op Terms (Placements)  TOTAL –

Enrollment/Degree Information

Total University Enrollment ................................................. 6,206
Total ENGR/ENGR Tech Enrollment ................................. 1,818
Number of ENGR/ENGR Tech Degrees Awarded ..................... 313

General Institutional Characteristics and Information

• Southern Polytechnic is a residential, co-educational member of the University System of Georgia. Approximately 6,000 students study here, including student representation from 36 states and 104 countries.

• Our mission is to serve both traditional and non-traditional students at the undergraduate, graduate and continuing education levels in engineering and engineering technology, the sciences, applied liberal arts, business and professional programs.

Notes

• SPSU is a comprehensive technological university with a unique purpose. The University offers bachelors and masters degrees and continuing professional development in science, engineering, technology, business, architecture, and related fields, with a focus on how to apply knowledge and use technology to solve real-world problems.

• Top employers include: Shaw Industries, ZF Industries, Georgia Tech Research Institute, Newcomb & Boyd, Georgia Power and Kia Motors Manufacturing Georgia, Inc.
### Engineering and/or Engineering Technology Cooperative Education Curricula Available

<table>
<thead>
<tr>
<th>Program</th>
<th>Co-op Required/Optional (R/O)</th>
<th>Co-op Credit Awarded (Yes/No)</th>
<th># of Co-ops at Work, Fall 2012</th>
<th># of Co-ops at Work, Winter 2013</th>
<th># of Co-ops at Work, Spring 2013</th>
<th># of Co-ops at Work, Summer 2013</th>
<th># of Unique Co-op Students Enrolled, AY 2012-2013</th>
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</tbody>
</table>
Catherine Rooney : Director of Cooperative Education

mailing address : Castle Point on Hudson, Hoboken, NJ 07030

office location : p. 201.216.5368  f. 201.216.8325
crooney@stevens.edu www.stevens.edu/co-op/

General Cooperative Education Program Information – Academic Year 2013

Total Co-op Staff: Professional 5 Other 0
Co-op Administration Is: Centralized

Traditional/Alternating Program .................. Yes
Parallel Program .................................................. No
Extended Day Program ................................. No
Other Programs .............................................. No

ENGR/ENGR Tech Co-op Enrollment
UnderGrad 2,548 Grad 3,005 TOTAL 5,553

ENGR/ENGR Tech Co-op Terms (Placements)
TOTAL –

Enrollment/Degree Information

Total University Enrollment............................................... Undergrad 2,548 Grad 3,005
Total ENGR/ENGR Tech Enrollment ............................... Undergrad 2,021 Grad 1,613

Number of ENGR/ENGR Tech Degrees Awarded ....................... –

General Institutional Characteristics and Information

• Private Institution – Semester System
• Degrees Offered-Bachelors, Masters, Phd
• Urban Campus
### Engineering and/or Engineering Technology Cooperative Education Curricula Available

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<th>Co-op Required/Optional</th>
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</tbody>
</table>
Karen M. Davis : Director Career Services  
mailing address : 121 Link Hall, Syracuse, NY 13244  
office location : Syracuse University College of Engineering & Computer Science  
p. 315.443.2239  f. 315.443.1065  
kdavio1@syr.edu  

General Cooperative Education Program Information – Academic Year 2013  
Total Co-op Staff: Professional 2  Other 1  
Co-op Administration Is: –  
Traditional/Alternating Program ..................No  
Parallel Program.................................No  
Extended Day Program............................No  
Other Programs ..................................Yes  

ENGR/ENGR Tech Co-op Enrollment  
UnderGrad 200  Grad –  TOTAL –  

Enrollment/Degree Information  
Total University Enrollment..............................21,029  
Total ENGR/ENGR Tech Enrollment.......................1,453  
Number of ENGR/ENGR Tech Degrees Awarded..............227  

Engineering and/or Engineering Technology Cooperative Education Curricula Available  

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ABET/ACCE Accreditation (Yes/No)
Lynn Haley: Interim Director

mailing address: Campus Box 5021, Cookeville, TN 38505
office location: Roaden University Center, Room 328
p. 931.372.3232  f. 931.372.6154
career@tntech.edu  www.tntech.edu/career

General Cooperative Education Program Information – Academic Year 2013

Total Co-op Staff: Professional 3  Other 1

Co-op Administration Is: Centralized

Traditional/Alternating Program .................. Yes
Parallel Program ......................................... Yes
Extended Day Program ................................. No
Other Programs ...........................................

ENGR/ENGR Tech Co-op Enrollment
UnderGrad 269  Grad 10  TOTAL 279

ENGR/ENGR Tech Co-op Terms (Placements)
TOTAL 279

Enrollment/Degree Information

Total University Enrollment .......................................................... 11,118
Total ENGR/ENGR Tech Enrollment ........................................... 2,786
Number of ENGR/ENGR Tech Degrees Awarded ....................... 352

Notes

• We have four different work co-op plans. In Plan A, the student works full time for 3 semesters consecutively. In Plan B, the student alternates work assignments. In Plan C, the student attends classes and works approximately 20 hours per week. In Plan D, the student works for the summer semesters only.

• Co-op is also available in other Colleges of the University: Agriculture, Home Economics, Arts & Sciences, Business Administration and Education. Other staff: Don Foster, Associate Director (primary contact for co-op)

• Institution offers BA degree in Crafts from Appalachian Center for Crafts and offers B.S. in School of Nursing.

• All co-ops register for a co-op class each semester and pay a fee.

• The Engineering Technology program is accredited by the NAIT. Non-engineering majors such as Acct, Mus. Mgt., Csc., Web Design, World Cultures and Business, and Bio. are available in Bachelor, Masters.
### Engineering and/or Engineering Technology Cooperative Education Curricula Available

<table>
<thead>
<tr>
<th></th>
<th>Co-op Required/Optional (R/O)</th>
<th>Co-op Credit Awarded (Yes/No)</th>
<th># of Co-ops at Work, Fall 2012</th>
<th># of Co-ops at Work, Winter 2013 (if applicable quarter/semester)</th>
<th># of Co-ops at Work, Spring 2013</th>
<th># of Co-ops at Work, Summer 2013</th>
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</table>
Deanna Dunn : Director

mailing address : Auburn Science & Engineering Center, Room 203
Akron, Ohio 44325-3902

office location : Auburn Science & Engineering Center, Room 203

p. 330.972.7849  f. 330.972.5162
ddunn@uakron.edu

CONTACT

THE UNIVERSITY OF AKRON
COLLEGE OF ENGINEERING

General Cooperative Education Program Information – Academic Year 2013

Total Co-op Staff: Professional 2  Other –
Co-op Administration Is: 1

Traditional/Alternating Program ..............Yes
Parallel Program......................................No
Extended Day Program..............................No
Other Programs.............................................No

ENGR/ENGR Tech Co-op Enrollment
UnderGrad 895  Grad –  TOTAL 895*

ENGR/ENGR Tech Co-op Terms (Placements)
TOTAL –

Enrollment/Degree Information

Total University Enrollment.................................22,619
Total ENGR/ENGR Tech Enrollment...........................2,774**
Number of ENGR/ENGR Tech Degrees Awarded................282†

General Institutional Characteristics and Information

• Excellence, opportunity and energy. You will find all three at The University of Akron. Here you will find
  excellence in the breadth and quality of our 300 academic degree programs, and in the highly talented
  faculty who will help mold you into a critical thinker. Here you will find a metropolitan setting that places
  you in the heart of a dynamic, regional economy, and in sync with the pulse of business, government and
  the community. Most important, here you will discover energy, in the high-tech classrooms of our new
  academic buildings, in our new Student Union and Student Recreation and Wellness Center, and among
  the 200 student organizations on campus.

Notes

• The College of Engineering as well as the Engineering Co-op Program is celebrating 100 years in
  2014. The Co-op and Placement Office within the College administers all placements of co-op and
  full-time positions. Co-op is strongly implemented into all engineering curriculums with 92- 97 percent
  participation. Having a strong Ohio base of placements, we also have co-op students in 31 states across
  the U.S.

* Engineering co-op enrollment.
** Total engineering undergraduate enrollment.
† Number of engineering degrees awarded.
### Notes

- Two new additional curriculums were added in 2010: Aerospace Systems and Corrosion. Both are unique. Outside of the U.S. Air Force Academy, The University of Akron is the only institution in the U.S. that offers a bachelor’s degree in Aerospace Systems Engineering. The curriculum applies the principles of systems engineering to the aerospace industry. The Corrosion Engineering program incorporates workforce training, the nation’s first baccalaureate degree in Corrosion Engineering, and world-class research in corrosion and materials performance.

- Also, both the Chemical and Mechanical engineering curriculums offer a Polymer Specialization as an Option within their degrees.

- The College of Engineering has a very strong Diversity and Women in Engineering Program.

### Engineering and/or Engineering Technology Cooperative Education Curricula Available

<table>
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<tr>
<th>Engineering Curricula Available</th>
<th>Co-op Required/Optional (R/O)</th>
<th>Co-op Credit Awarded (Yes/No)</th>
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<th># of Unique Co-op Students Enrolled, AY 2012-2013</th>
<th>ABET/ACE Accreditation (Yes/No)</th>
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**Totals:** 222 260 422 0
General Cooperative Education Program Information – Academic Year 2013

Total Co-op Staff: Professional 1  Other 0
Co-op Administration Is: Centralized

Traditional/Alternating Program .................. Yes
Parallel Program ........................................ No
Extended Day Program............................... No
Other Programs ........................................... No

ENGR/ENGR Tech Co-op Enrollment
UnderGrad  47  Grad  0  TOTAL  47

ENGR/ENGR Tech Co-op Terms (Placements)
TOTAL  73

Enrollment/Degree Information
Total University Enrollment ............................................. 1,498
Total ENGR/ENGR Tech Enrollment ................................. 726
Number of ENGR/ENGR Tech Degrees Awarded................. BS 139  MS 6

General Institutional Characteristics and Information

- Trine is a private, non-denominational institution that grants associate, bachelor’s, and master’s degrees in more than 35 programs on campus, online, and at regional education centers. The focus is on active participation through more than 60 student organizations, competitive intercollegiate athletics, and extensive co-op and internship opportunities. Plus, you’ll find Trine’s nationally recognized education affordable. In 2012, 98 percent of students received $20 million in institutional aid in the form of grants and scholarships.

Notes

- The Cooperative Education Program was introduced on campus in 1952 to bring relevance to academic programs. Since its inception, the program has served 25-175 students per academic year through employment by 20-100 firms in business and industry. The program has built an outstanding reputation and strives to serve both the students and cooperating companies. We have 100% major related employment for students who have participated in the co-op program.

- Our students co-op with both small and large companies such as Parker Hannifin, Rolls-Royce, Honda, GE Aviation, United Airlines, Biomet, DuPont Health and Nutrition, Regal Beloit and Metal Technologies. They work in industries ranging from automotive, aerospace, biomedical, manufacturing transportation and energy.
## Engineering and/or Engineering Technology Cooperative Education Curricula Available

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General Cooperative Education Program Information – Academic Year 2013

Total Co-op Staff: Professional – Other –

Co-op Administration Is: –

Traditional/Alternating Program………..–
Parallel Program……………………….–
Extended Day Program……………………–
Other Programs …………………………–

ENGR/ENGR Tech Co-op Enrollment
UnderGrad – Grad – TOTAL 39

ENGR/ENGR Tech Co-op Terms (Placements)
TOTAL –

Enrollment/Degree Information

Total University Enrollment……………………………………………….. 26,000
Total ENGR/ENGR Tech Enrollment…………………………………….. 3,700
Number of ENGR/ENGR Tech Degrees Awarded…………………………–

General Institutional Characteristics and Information

• Urban, Research Institution

Engineering and/or Engineering Technology Cooperative Education Curricula Available

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Totals

16 9 14
General Cooperative Education Program Information – Academic Year 2013

Total Co-op Staff: Professional 3  Other 2
Co-op Administration Is: Centralized

Traditional/Alternating Program .................. Yes
Parallel Program................................. No
Extended Day Program............................ No
Other Programs..................................... Yes

ENGR/ENGR Tech Co-op Enrollment
UnderGrad 1,444  Grad 2  TOTAL 1,446

ENGR/ENGR Tech Co-op Terms (Placements)
TOTAL 442

Enrollment/Degree Information

Total University Enrollment............................. Undergrad 30,851  Grad 4,701
Total ENGR/ENGR Tech Enrollment..................... Undergrad 3,560  Grad 371
Number of ENGR/ENGR Tech Degrees Awarded........ Undergrad 498  Grad 133

General Institutional Characteristics and Information

• Public Institution – Semester System
• Degrees Offered: Bachelors, Masters, PhD
• Residential Campus

Notes

• Requirements for participation in co-op program: 2.2 Gpa, full time enrollment, and in good standing.
• Other programs include professional internships.
Engineering and/or Engineering Technology Cooperative Education Curricula Available

<table>
<thead>
<tr>
<th>Engineering Field</th>
<th>Co-op Required/Optional (R/O)</th>
<th>Co-op Credit Awarded (Yes/No)</th>
<th># of Co-ops at Work, Fall 2012</th>
<th># of Co-ops at Work, Winter 2013</th>
<th># of Co-ops at Work, Spring 2013</th>
<th># of Co-ops at Work, Summer 2013</th>
<th># of Unique Co-op Students Enrolled, AY 2012-2013</th>
<th>ABET/ACCE Accreditation (Yes/No)</th>
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<tbody>
<tr>
<td>Civil and Environmental Engineering</td>
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<tr>
<td>Chemical &amp; Biological Engineering</td>
<td>0</td>
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<td>23</td>
<td>24</td>
<td>31</td>
<td>12</td>
<td>136</td>
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<td>Construction Engineering</td>
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<td><strong>156</strong></td>
<td></td>
<td></td>
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</tr>
</tbody>
</table>

Additional Program Information

- Other Professional Staff: Naomi Powell, Associate Director 205.348.8549; and Amy Ratliff, Senior Coordinator 205.348.3959.
- Co-op program is available in all academic divisions of the university, and co-op program at graduate level.
- Professional Practice Program initiated in 2011.
- Computer Science Program is accredited by CSAB.
- Construction Engineering Major added fall 2006.
- Co-op interview day is February and October of each year.
- Total co-op enrollment 2012-2013 (engineering + other majors/professional internships) = 1654
- Total number of placements (engineering + other majors/professional internships) = 540
**General Cooperative Education Program Information – Academic Year 2013**

Total Co-op Staff: Professional 1 Other –

Co-op Administration Is: –

Traditional/Alternating Program .................... Yes
Parallel Program......................................... Yes
Extended Day Program................................. No
Other Programs .......................................... No

ENGR/ENGR Tech Co-op Enrollment
UnderGrad 155  Grad 45  TOTAL 180

ENGR/ENGR Tech Co-op Terms (Placements)
TOTAL 185

### Enrollment/Degree Information

- Total University Enrollment ........................................... 25,000
- Total ENGR/ENGR Tech Enrollment ................................. 3,864
- Number of ENGR/ENGR Tech Degrees Awarded ................. 245
General Cooperative Education Program Information – Academic Year 2013

Total Co-op Staff: Professional 38  Other 1
Co-op Administration Is: 0

Traditional/Alternating Program .................. Yes
Parallel Program........................................... No
Extended Day Program................................. No
Other Programs ........................................... No

ENGR/ENGR Tech Co-op Enrollment
UnderGrad 4,759  Grad 222  TOTAL 4,981

ENGR/ENGR Tech Co-op Terms (Placements)
TOTAL 2,787

Enrollment/Degree Information

Total University Enrollment.................................................. 42,656
Total ENGR/ENGR Tech Enrollment...................................... 4,794
Number of ENGR/ENGR Tech Degrees Awarded..................... 888

General Institutional Characteristics and Information

• The University of Cincinnati serves the people of Ohio, the nation, and the world as a premier, public, urban research university dedicated to undergraduate, graduate, and professional education, experience-based learning, and research. We are committed to excellence and diversity in our students, faculty, staff, and all of our activities. We provide an inclusive environment where innovation and freedom of intellectual inquiry flourish. Through scholarship, service, partnerships, and leadership, we create opportunity, develop educated and engaged citizens, enhance the economy and enrich our University, city, state and global community.

• The University of Cincinnati is classified as a Research University (Very High Research Activity) by the Carnegie Commission, and is ranked as one of America’s top 25 public research universities by the National Science Foundation. U.S. News has ranked UC in the Top Tier of America’s Best Colleges. The Chronicle of Higher Education calls UC a “research heavyweight.” Forbes, Delta Sky and Travel + Leisure magazines have named UC one of the most beautiful campuses. UC has been named a “green university” by Princeton Review.

• The University is comprised of 14 Colleges and offers 189 undergraduate and 206 graduate programs of study.
Notes

- Co-op was founded in 1906, by Dean Herman Schneider in UC’s College of Engineering. He believed that students learned best when theory was combined with practice. Today, the Division of Professional Practice & Experiential Learning’s (ProPEL’s) Cooperative Education Program carries on this tradition by allowing students to alternate semesters of study with semesters of full-time, paid, major-related work in their field. Students work with a major-specific faculty advisors who help them identify learning goals, guide them in personal and professional development and lead them through reflective practice. Students complete 3-5 terms of co-op prior to graduation. UC’s co-op program is ranked in the top ten by U.S. News.

- In addition to the mandatory co-op program in the College of Engineering and Applied Science (CEAS) and the Information Technology program in the College of Education, Criminal Justice and Human Services the University also offers a mandatory co-op programs in the College of Design, Architecture, Art, and Planning, and an optional co-op program in the Lindner College of Business. In all, 40 academic programs participate in cooperative education.

- In total, ProPEL actively works with over 1600 employers and places students in nearly 5000 co-op positions each year while realizing a 98% student placement rate. UC students earn approximately $48M per year during their co-op work terms. Among the top co-op employers are General Electric Aviation, Duke Energy, The Kroger Company, Great American Insurance Group, Proctor and Gamble, Libby Perszyk Kathman (LPK), Intelligrated Systems, Kinetic Vision, L-3 Communications, Toyota, Walsh Construction, and Turner Construction.

- About 65% of co-op students obtain positions in the state of Ohio while the remaining work out of state with Kentucky, New York, California, Illinois, Massechusetts, Georgia, Indiana, and Texas leading the way. International locations account for 2% of student placements. Many of the international placements are students participating in the specialized International Co-op Program for Germany and Japan which includes intensive language and cultural training.
## Engineering and/or Engineering Technology Cooperative Education Curricula Available

<table>
<thead>
<tr>
<th>Program</th>
<th>Co-op Required/Optional (R/O)</th>
<th>Co-op Credit Awarded (Yes/No)</th>
<th># of Co-ops at Work, Fall 2012</th>
<th># of Co-ops at Work, Winter 2013</th>
<th># of Co-ops at Work, Spring 2013</th>
<th># of Co-ops at Work, Summer 2013</th>
<th># of Unique Co-op Students Enrolled, AY 2012-2013</th>
<th>ABET/ACCE Accreditation (Yes/No)</th>
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<tbody>
<tr>
<td>Aerospace Engineering</td>
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<td>–</td>
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<td>0</td>
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<td>R</td>
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<td>–</td>
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<td>7</td>
<td>–</td>
<td>10</td>
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<td>18</td>
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<td>–</td>
<td>38</td>
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<td>–</td>
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<td>10</td>
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<td>1,785</td>
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</table>

*Architectural Engineering is a new program for the University. It cannot be accredited because there have been no program graduates.

**ABET does not accredit Construction Management Programs. However, the program is accredited by the American Council for Construction Education (ACCE).**

### Additional Program Information
- The number of unique co-op students enrolled are the number of unique co-op students that worked at least one work term. There are other students enrolled in the co-op program that had not yet worked their first co-op term.
- The University of Cincinnati changed from quarters to semesters in the Fall of 2012.
General Cooperative Education Program Information – Academic Year 2013

Total Co-op Staff: Professional 2.5  Other 1

Co-op Administration Is: –

Traditional/Alternating Program ....................Yes
Parallel Program ..........................................No
Extended Day Program .................................No
Other Programs ..........................................No

ENGR/ENGR Tech Co-op Enrollment
UnderGrad 391  Grad 0  TOTAL 391

ENGR/ENGR Tech Co-op Terms (Placements)
TOTAL 538

Enrollment/Degree Information

Total University Enrollment ....................................7,479
Total ENGR/ENGR Tech Enrollment ........................1,627
Number of ENGR/ENGR Tech Degrees Awarded ..............–
### Engineering and/or Engineering Technology Cooperative Education Curricula Available

<table>
<thead>
<tr>
<th>Engineering Field</th>
<th>Co-op Required/Optional (R/O)</th>
<th>Co-op Credit Awarded (Yes/No)</th>
<th># of Co-ops at Work, Fall 2012</th>
<th># of Co-ops at Work, Winter 2013</th>
<th># of Co-ops at Work, Spring 2013</th>
<th># of Co-ops at Work, Summer 2013</th>
<th># of Unique Co-op Students Enrolled, AY 2012-2013</th>
<th>ABET/ACCE Accreditation (Yes/No)</th>
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</thead>
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<td>Civil Engineering</td>
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</table>
General Cooperative Education Program Information – Academic Year 2013

Total Co-op Staff: Professional .5  Other –
Co-op Administration Is: College of Engineering by Dr. Lawrence

Traditional/Alternating Program .....................Yes
Parallel Program ........................................–
Extended Day Program .................................–
Other Programs ..........................................–

ENGR/ENGR Tech Co-op Enrollment
UnderGrad 9  Grad –  TOTAL 9

ENGR/ENGR Tech Co-op Terms (Placements)
TOTAL 9

Enrollment/Degree Information

Total University Enrollment ...........................................................35,000
Total ENGR/ENGR Tech Enrollment ..............................................1,000
Number of ENGR/ENGR Tech Degrees Awarded ..............................100

General Institutional Characteristics and Information

• UGA has been graduating students with engineering degrees since 1858.

Notes

• The UGA co-op program is growing and was only reinstituted in 2011. This growth will parallel the growth in engineering student enrollment, which we project to be ~1,600 by 2015.

• The goal is to reach a 20-25% participation rate.

• Top employers to date include: Georgia Power, CertainTeed, Noramco, Kia Motors Manufacturing.

• To date, co-op placements have occurred to students majoring in: environmental engineering, civil engineering, mechanical engineering, biochemical engineering, agricultural engineering, electrical engineering.
General Cooperative Education Program Information – Academic Year 2013

Total Co-op Staff: Professional 1.5 Other 2
Co-op Administration Is: Decentralized

Traditional/Alternating Program ......................... Yes
Parallel Program........................................ –
Extended Day Program.................................... –
Other Programs ........................................... –

ENGR/ENGR Tech Co-op Enrollment
UnderGrad 274 Grad 0 TOTAL –

ENGR/ENGR Tech Co-op Terms (Placements)
TOTAL –

Enrollment/Degree Information
Total University Enrollment........................................ 28,928
Total ENGR/ENGR Tech Enrollment................................2,911
Number of ENGR/ENGR Tech Degrees Awarded ............... 406

Notes
• Program was started in 1984, and due to the success of the co-op program in engineering, we recently expanded to offer comprehensive career services in engineering for our students. The co-op program is optional and about 24 percent of the College’s graduating class has co-op experience. This varies by majors: ME, Materials and Chemical Engineering participation is 33-35 percent, Mining and Biosystems are not participating heavily.
• The University of Kentucky is on the semester system. WE occasionally have a “winter” co-op because F1 visa students need to register for academic credit in order to work in a co-op under the stipulations of Curricular Practical Training, which is why we offer a co-op credit during the winter intersession.
### Engineering and/or Engineering Technology Cooperative Education Curricula Available

<table>
<thead>
<tr>
<th>Major</th>
<th>Co-op Required/Optional (R/O)</th>
<th>Co-op Credit Awarded (Yes/No)</th>
<th># of Co-ops at Work, Fall 2012</th>
<th># of Co-ops at Work, Winter 2013</th>
<th># of Co-ops at Work, Spring 2013</th>
<th># of Co-ops at Work, Summer 2013</th>
<th># of Unique Co-op Students Enrolled, AY 2012-2013</th>
<th>ABET/ACCE Accreditation (Yes/No)</th>
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General Cooperative Education Program Information – Academic Year 2013

Total Co-op Staff: Professional 4.5 Other 1
Co-op Administration Is: 0

Traditional/Alternating Program ............... Yes
Parallel Program.................................–
Extended Day Program..........................–
Other Programs ......................................–

ENGR/ENGR Tech Co-op Enrollment
UnderGrad 789 Grad 10 TOTAL 799

ENGR/ENGR Tech Co-op Terms (Placements)
TOTAL –

Enrollment/Degree Information

Total University Enrollment............................. 21,500
Total ENGR/ENGR Tech Enrollment .................. 2,300
Number of ENGR/ENGR Tech Degrees Awarded ............. 550

General Institutional Characteristics and Information

• Public
• Non-profit
• Located in Louisville, KY 40208

Notes

• UofL Engineering Co-op was chartered with the founding of the college in 1925 and has been an essential element of our ABET accredited academic program for 88 years.
• UofL Engineering Co-op is mandatory for all undergraduate students.
• UofL Engineering Co-op has been accredited by the Accreditation Council for Cooperative Education (ACCE).
• We have approximately 250 students on co-op every semester across all seven academic departments. 70% are employed in the region, 30% opt for opportunities throughout the US and beyond.
## Engineering and/or Engineering Technology Cooperative Education Curricula Available

<table>
<thead>
<tr>
<th>Engineering Field</th>
<th>Co-op Required/Optional (R/O)</th>
<th>Co-op Credit Awarded (Yes/No)</th>
<th># of Co-ops at Work, Fall 2012</th>
<th># of Co-ops at Work, Winter 2013</th>
<th># of Co-ops at Work, Spring 2013</th>
<th># of Co-ops at Work, Summer 2013</th>
<th># of Unique Co-op Students Enrolled, AY 2012-2013</th>
<th>ABET/ACCE Accreditation (Yes/No)</th>
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</table>
General Cooperative Education Program Information – Academic Year 2013

Total Co-op Staff: Professional 1  Other 1

Co-op Administration Is: –

Traditional/Alternating Program ................. Yes
Parallel Program........................................ Yes
Extended Day Program................................ –
Other Programs........................................ –

ENGR/ENGR Tech Co-op Enrollment
UnderGrad 138  Grad –  TOTAL 138

ENGR/ENGR Tech Co-op Terms (Placements)
TOTAL –

Enrollment/Degree Information
Total University Enrollment................................. 9,000
Total ENGR/ENGR Tech Enrollment.......................... 1,797
Number of ENGR/ENGR Tech Degrees Awarded............... 220

General Institutional Characteristics and Information
• Four academic units that serve nearly 100 academic programs and majors within: Engineering & Computer Science; Business; College of Education, Health & Human Services; and College of Arts, Sciences and Letters.
• Average class size of 24 with a student-faculty ratio of 15:1. Over 125 recognized clubs & student organizations on campus.
• Accredited by The Higher Learning Commission & member of the North Central Association of Colleges and Schools.

Notes
• UM-Dearborn is a top-ranked metropolitan university that serves southeastern Michigan, committed to excellence rooted in strong academics, innovative research and programming, and civic engagement.
• In 2013, College of Engineering & Computer Science (CECS) was rated for the 15th consecutive year among the top ABET accredited undergraduate engineering programs in the country, among schools whose terminal degree is a bachelor’s or master’s with few or no doctoral programs.
• CECS offers 9 undergraduate degree programs, 13 graduate level programs and 2 PhD programs.
## Engineering and/or Engineering Technology Cooperative Education Curricula Available

<table>
<thead>
<tr>
<th>Engineering Area</th>
<th>Co-op Required/Optional (R/O)</th>
<th>Co-op Credit Awarded (Yes/No)</th>
<th># of Co-ops at Work, Fall 2012</th>
<th># of Co-ops at Work, Winter 2013</th>
<th># of Co-ops at Work, Spring 2013</th>
<th># of Co-ops at Work, Summer 2013</th>
<th># of Unique Co-op Students Enrolled, AY 2012-2013</th>
<th>ABET/ACCE Accreditation (Yes/No)</th>
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</tbody>
</table>
General Cooperative Education Program Information – Academic Year 2013

Total Co-op Staff: Professional 3  Other 1

Co-op Administration Is: –

Traditional/Alternating Program .................. Yes
Parallel Program................................. No
Extended Day Program............................ No
Other Programs ......................................–

ENGR/ENGR Tech Co-op Enrollment
UnderGrad 150  Grad 0  TOTAL 150

ENGR/ENGR Tech Co-op Terms (Placements)
TOTAL 1

Enrollment/Degree Information

Total University Enrollment........................................6,000
Total ENGR/ENGR Tech Enrollment..............................780
Number of ENGR/ENGR Tech Degrees Awarded.............140

General Institutional Characteristics and Information

- Small private university. All students do a seven-month full-time co-op prior to their final semester of study. We place them across the globe.
General Cooperative Education Program Information – Academic Year 2013

Total Co-op Staff: Professional 2  Other 1
Co-op Administration Is: Decentralized

Traditional/Alternating Program .................. Yes
Parallel Program ........................................ No
Extended Day Program ................................. No
Other Programs .............................................. No

ENGR/ENGR Tech Co-op Enrollment
UnderGrad 847  Grad 31  TOTAL 878

ENGR/ENGR Tech Co-op Terms (Placements)
TOTAL 739*

Enrollment/Degree Information
Total University Enrollment ................................. 35,014
Total ENGR/ENGR Tech Enrollment ...................... 4,077
Number of ENGR/ENGR Tech Degrees Awarded ............... 793

General Institutional Characteristics and Information
• Public Institution-Semester System
• Bachelors, Master, PhD
• Urban Campus

Notes
• Current co-op program was established in 1987, but the University of Pittsburgh had the third youngest co-op program back in 1910, behind University of Cincinnati and Northeastern University.
• Last year, 85% of students who received full-time offers from their co-op employers accepted the offer.
• During 2012-2013, the average GPA of a co-op upon graduation was 3.345. A 2.0 GPA is required for admittance into the program.
• About 46% of last year’s graduates participated in the co-op program. 82.4% completed the minimum three rotations.
• The graduate co-op program was established in 2011-2012 school year.

*739 terms of placements; number does not include those students who worked fourth and fifth work terms.
Students are not required to register for the co-op credit beyond the third work rotation.
### Engineering and/or Engineering Technology Cooperative Education Curricula Available

<table>
<thead>
<tr>
<th>Program</th>
<th>Co-op Required/Optional (R/O)</th>
<th>Co-op Credit Awarded (Yes/No)</th>
<th># of Co-ops at Work, Fall 2012</th>
<th># of Co-ops at Work, Winter 2013</th>
<th># of Co-ops at Work, Spring 2013</th>
<th># of Co-ops at Work, Summer 2013</th>
<th># of Unique Co-op Students Enrolled, AY 2012-2013</th>
<th>ABET/ACCE Accreditation (Yes/No)</th>
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<td>Civil and Environmental Engineering</td>
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<td></td>
</tr>
</tbody>
</table>

* Unique number includes students who worked a fourth rotation (not registered) and were awaiting graduation during fall of 2012
Todd Reeves : Director of Engineering Professional Practice

mailing address : 1505 Middle Dr, Knoxville, TN 37996

office location : 310 Perkins Hall

p. 865.974.5323  f. 865.974.3707

coop@utk.edu

General Cooperative Education Program Information – Academic Year 2013

Total Co-op Staff: Professional 3  Other 1

Co-op Administration Is: Decentralized

Traditional/Alternating Program ................ Yes

Parallel Program.............................. Yes

Extended Day Program...................... Yes

Other Programs .............................. No

ENGR/ENGR Tech Co-op Enrollment
UnderGrad 994  Grad 0  TOTAL 994

ENGR/ENGR Tech Co-op Terms (Placements)
TOTAL 366

Enrollment/Degree Information

Total University Enrollment............................ Undergrad 21,033  Grad 6,138

Total ENGR/ENGR Tech Enrollment.................... Undergrad 2,584  Grad 1,000

Number of ENGR/ENGR Tech Degrees Awarded......... Undergrad 462  Grad 273

General Institutional Characteristics and Information

• Public Institution-Semester System

• Degrees Offered – Bachelors, Masters, PhD

• Urban Campus

Notes

• Program has existed since 1926.

• Must be sophomore, in good academic standing (GPA > 2.0), having completed the freshman year engineering courses in order to go on first co-op assignment.

• Joyce Reed, Assistant Director; Suzanne Sawicki, Coordinator II
### Engineering and/or Engineering Technology Cooperative Education Curricula Available

<table>
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<tr>
<th>Engineering Fields</th>
<th>Co-op Required/Optional (R/O)</th>
<th>Co-op Credit Awarded (Yes/No)</th>
<th># of Co-ops at Work, Fall 2012</th>
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<th># of Co-ops at Work, Spring 2013</th>
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<th># of Unique Co-op Students Enrolled, AY 2012-2013</th>
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<td>–</td>
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<td>–</td>
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</table>
General Cooperative Education Program Information – Academic Year 2013

Total Co-op Staff: Professional 6  Other –
Co-op Administration Is: –

Traditional/Alternating Program ............... Yes
Parallel Program........................................ –
Extended Day Program................................. –
Other Programs ........................................ –

ENGR/ENGR Tech Co-op Enrollment
UnderGrad 1,335  Grad –  TOTAL 1,335

ENGR/ENGR Tech Co-op Terms (Placements)
TOTAL 1,335

Enrollment/Degree Information
Total University Enrollment.................................................. 23,064
Total ENGR/ENGR Tech Enrollment........................................ 3,079
Number of ENGR/ENGR Tech Degrees Awarded............................ 479

General Institutional Characteristics and Information

• The University of Toledo is one of 14 state universities in Ohio. Established in 1872 & became a member of the state university system in 1967. UT and the Medical University of Ohio merged July 2006 to form the third-largest public university operating budget in the state. The University is accredited by The Higher Learning Commission of the North Central Association of Colleges and Schools.

• University of Toledo is classified as a Doctoral/Research University-Extensive by the Carnegie Foundation.

• UT offers more than 300 undergraduate, graduate & professional programs. Some of our nationally ranked programs include business, engineering, law & occupational therapy.

Notes

• One of only eight engineering schools in the country with a mandatory co-op program. 100% participation for B.S. in Engineering students.

• UG GPA UPON GRADUATION: Average GPA UT: Engineering Science – 3.14; Engineering Technology – 3.01; average – 3.10
  Average GPA Higher Education UT: Engineering Science – 3.09; Engineering Technology – 2.94; average 3.04
### Engineering and/or Engineering Technology Cooperative Education Curricula Available

<table>
<thead>
<tr>
<th>Program</th>
<th>Co-op Required/Optional</th>
<th>Co-op Credit Awarded (Yes/No)</th>
<th># of Co-ops at Work, Fall 2012</th>
<th># of Co-ops at Work, Winter 2013</th>
<th># of Co-ops at Work, Spring 2013</th>
<th># of Co-ops at Work, Summer 2013</th>
<th># of Unique Co-op Students Enrolled, AY 2012-2013</th>
<th>ABET/ACCE Accreditation (Yes/No)</th>
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<td>-</td>
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<td>Civil Engineering</td>
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<td>39</td>
<td>-</td>
<td>49</td>
<td>75</td>
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*Number of Co-ops at Work, Fall 2013

**Number of Unique Co-op Students Enrolled, AY 2013

---

**Notes**

- Gender for Graduates: Female – 57; Males - 422
- Ethnicity for Graduates:
  - Black – 22
  - Caucasian – 367
  - Hispanic – 12
  - American Indian – 1
  - Asian – 14
  - Unknown – 39
  - Unknown – 39
  - Asian – 14
  - Unknown – 39
  - Blank - 24
  - Asian – 14
  - Unknown – 39
  - Blank - 24
  - Asian – 14
  - Unknown – 39
  - Blank - 24

- Average Salary Information: Average Co-op Wage: $16.05 an hour
General Cooperative Education Program Information – Academic Year 2013

Total Co-op Staff: Professional 1  Other 1

Co-op Administration Is:

- Traditional/Alternating Program: Yes
- Parallel Program: No
- Extended Day Program: No
- Other Programs: No

ENGR/ENGR Tech Co-op Enrollment
UnderGrad 129  Grad 0  TOTAL 129

ENGR/ENGR Tech Co-op Terms (Placements)
TOTAL 129

Enrollment/Degree Information

Total University Enrollment: 8,500
Total ENGR/ENGR Tech Enrollment: 2,900
Number of ENGR/ENGR Tech Degrees Awarded: 450

General Institutional Characteristics and Information

- Public Institution
- Bachelor’s Degree
- Semester System
### Engineering and/or Engineering Technology Cooperative Education Curricula Available

<table>
<thead>
<tr>
<th></th>
<th>Co-op Required/Optional (R/O)</th>
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<th># of Co-ops at Work, Fall 2012</th>
<th># of Co-ops at Work, Winter 2013 (if applicable quarter/semester)</th>
<th># of Co-ops at Work, Spring 2013</th>
<th># of Co-ops at Work, Summer 2013</th>
<th># of Unique Co-op Students Enrolled, AY 2012-2013</th>
<th>ABET/ACCE Accreditation (Yes/No)</th>
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General Cooperative Education Program Information – Academic Year 2013

Total Co-op Staff: Professional 4    Other 6
Co-op Administration Is: Amy Lane

Traditional/Alternating Program ......................... Yes
Parallel Program............................................... Yes
Extended Day Program......................................... Yes
Other Programs ................................................ Yes

ENGR/ENGR Tech Co-op Enrollment
UnderGrad 919    Grad 21    TOTAL 940

ENGR/ENGR Tech Co-op Terms (Placements)
TOTAL 250

Enrollment/Degree Information

Total University Enrollment.................................................. 9,247
Total ENGR/ENGR Tech Enrollment.......................................... 1,063
Number of ENGR/ENGR Tech Degrees Awarded....................... 125

General Institutional Characteristics and Information

• Career-focused Polytechnic University
• Malcolm Baldrige National Quality Award Recipient
• Innovative and technology-rich environment

Notes

• 97.3% of graduates in 2011-12 reported being employed and 79.3% reported being employed in their field. Fully 92% of graduates were contacted for this survey.
• UW-Stout’s Cooperative Education Program is centrally coordinated through the Career Services Office in collaboration with the academic departments of the university. All co-op positions are paid opportunities, taken for academic credit, and are related to a specific career or major. Students participate in co-op opportunities in over 35 states each year as well as international co-op sites.
### Engineering and/or Engineering Technology Cooperative Education Curricula Available

<table>
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<tr>
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<th># of Co-ops at Work, Winter 2013</th>
<th># of Co-ops at Work, Spring 2013</th>
<th># of Co-ops at Work, Summer 2013</th>
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General Cooperative Education Program Information – Academic Year 2013

Total Co-op Staff: Professional 2   Other 3

Co-op Administration Is:

Traditional/Alternating Program ................. Yes
Parallel Program........................................ No
Extended Day Program............................. No
Other Programs .......................................... –

ENGR/ENGR Tech Co-op Enrollment
UnderGrad 4   Grad 0   TOTAL 4

ENGR/ENGR Tech Co-op Terms (Placements)
TOTAL –

Enrollment/Degree Information

Total University Enrollment.............................................. 3,400
Total ENGR/ENGR Tech Enrollment............................. 380
Number of ENGR/ENGR Tech Degrees Awarded............... 80

Notes

- The Internship Program started in 1995 and has run continuously since then. Internship opportunities are available in Electrical, Computer, Civil, and Mechanical Engineering.
- Post graduation placement for engineering majors has ranged from 98% to 100% over the past twenty years.
- Valpo Engineering graduates work for some of the world’s best companies including: Caterpillar, Honeywell, NASA, Navistar, Toyota, Acelor Mittal, Cummings, John Deere, Texas Instruments, Motorola, Chrysler.
- Valpo Engineering graduates are attending some of the world’s best graduate schools including: Northwestern University, University of Minnesota, University of Michigan, Purdue University, University of Illinois at Urbana Champaign, Vanderbilt University, Georgia Institute of Technology.
### Engineering and/or Engineering Technology Cooperative Education Curricula Available

<table>
<thead>
<tr>
<th>Field</th>
<th>Co-op Required/Optional</th>
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<th># of Co-ops at Work, Winter 2013</th>
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General Cooperative Education Program Information – Academic Year 2013

Total Co-op Staff: Professional 1   Other –

Co-op Administration Is: Centralized

Traditional/Alternating Program ................... Yes
Parallel Program ........................................ Yes
Extended Day Program .............................. –
Other Programs ......................................... Yes

ENGR/ENGR Tech Co-op Enrollment
UnderGrad  50   Grad  24   TOTAL   74

ENGR/ENGR Tech Co-op Terms (Placements)
TOTAL   85

Enrollment/Degree Information

Total University Enrollment ................................................... 29,707
Total ENGR/ENGR Tech Enrollment ................................. 4,219
Number of ENGR/ENGR Tech Degrees Awarded ............... 686
### Engineering and/or Engineering Technology Cooperative Education
### Curricula Available

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</table>

| Totals                                  | 25                            | 31                             | 29                             | 74                              |                                |                                  |                                 |                                 |
General Cooperative Education Program Information – Academic Year 2013

Total Co-op Staff: Professional – Other –

Co-op Administration Is: Jointly conducted through our Engineering Industrial Partnership Coordinator part-time position & our WKU Center for Career & Professional Development Career Counselor.

Traditional/Alternating Program ...................... No
Parallel Program............................................ Yes
Extended Day Program...................................... No
Other Programs ............................................... Yes

ENGR/ENGR Tech Co-op Enrollment
UnderGrad 24 Grad 0 TOTAL 24

ENGR/ENGR Tech Co-op Terms (Placements)
TOTAL 24

Enrollment/Degree Information

Total University Enrollment ................................................. 20,456
Total ENGR/ENGR Tech Enrollment ..................................... 678
Number of ENGR/ENGR Tech Degrees Awarded .................. 74

General Institutional Characteristics and Information

• Undergraduate Enrollment: 17,517
• Graduate Enrollment: 2,939
• Full Time: 14,315 PartTime: 6,141

Notes

• Our top 5 Co-op Employers: Altec Industries-Elizabethtown, KY; General Motors (Bowling Green Corvette Assembly Plant); Trace Die Cast-Bowling Green, KY; Scotty’s Contracting & Stone-Bowling Green, KY; Louisville Gas & Electric and KU Energy (multiple KY locations)
• Overall Average Rate/ Hour: $13.10
• Our co-op program data is based on optional student self-reports through employment surveys. Most of our students currently do not enroll in a class unless the co-op is done in a continuous format taking them out of school for a semester. In this case, the students enroll in IDST 369 Career Field Experience usually for a 1 hour credit. This is an Interdisciplinary course number, and the credit is not counted towards Engineering graduation and is not a requirement. We actually have more than 24 students who work in a parallel or continuous co-op format, but they do not all report their employment.
### Engineering and/or Engineering Technology Cooperative Education Curricula Available

<table>
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<tr>
<th>Engineering Field</th>
<th>Co-op Required/Optional (R/O)</th>
<th>Co-op Credit Awarded (Yes/No)</th>
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</table>

### Additional Program Information

- WKU also offers technical degrees through our Department of Architectural and Manufacturing Sciences. Bachelor degree programs are Advanced Manufacturing, Architectural Science, Construction Management, & Technology Management. Also, a Master’s degree in Technology Management is offered. The co-op numbers reported here do not include data from the AMS Department.
- All data reported here is from our Engineering department. We offer ABET accredited Engineering degrees in Civil, Electrical, and Mechanical Engineering.
General Cooperative Education Program Information – Academic Year 2013

Total Co-op Staff: Professional 10  Other 4

Co-op Administration Is: 1

Traditional/Alternating Program ................. Yes
Parallel Program.................................................. Yes
Extended Day Program........................................ –
Other Programs ................................................ –

ENGR/ENGR Tech Co-op Enrollment
UnderGrad – Grad – TOTAL 234

ENGR/ENGR Tech Co-op Terms (Placements)
TOTAL 327

Enrollment/Degree Information

Total University Enrollment................................. Undergrad 11,787 Grad 2,763
Total ENGR/ENGR Tech Enrollment...................... Undergrad 1,889 Grad 769
Number of ENGR/ENGR Tech Degrees Awarded......... Undergrad 210 Grad 196

Notes

• Average Wage for Engineering co-op/Interns: $15.09
### Engineering and/or Engineering Technology Cooperative Education Curricula Available

<table>
<thead>
<tr>
<th>Program</th>
<th>Co-op Required/Optional (R/O)</th>
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<th># of Unique Co-op Students Enrolled, AY 2012-2013</th>
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### Additional Program Information
- Although co-op program participation is not required independently, it does satisfy one of six College of Engineering 2020 requirements for graduation.
General Cooperative Education Program Information – Academic Year 2013

Total Co-op Staff: Professional 3 Other (4) 2=.5 2=.10

Co-op Administration Is: Decentralized

Traditional/Alternating Program Yes
Parallel Program Yes
Extended Day Program No
Other Programs Yes

ENGR/ENGR Tech Co-op Enrollment
UnderGrad 784 Grad 63 TOTAL 847

ENGR/ENGR Tech Co-op Terms (Placements)
TOTAL –

Enrollment/Degree Information

Total University Enrollment 13,813
Total ENGR/ENGR Tech Enrollment 1,265
Number of ENGR/ENGR Tech Degrees Awarded 188

General Institutional Characteristics and Information

• Public Research Institution – Semester System
• Associate, Bachelors, Masters, PhD
• Urban Campus

Notes

• The College of Science, Technology, Engineering and Mathematics (STEM) was formed in 2007. The STEM Professional Practice Program founded in fall of 2011. The actual internship and co-op program started Summer 2012.
• The undergraduate engineering program at Youngstown State University placed in the top 25 percent in the world, under rankings released by U.S. News and World Report in the Best Colleges 2014 edition.
• Requirements for participation in Co-op program: Junior/Senior Status and GPA of 3.0+ in discipline and 2.75+ overall.
• Faculty Advisors conducts a Mid-Semester Site Visit.
• Co-op fee is $350.00 per semester.
### Engineering and/or Engineering Technology Cooperative Education Curricula Available

<table>
<thead>
<tr>
<th>Field</th>
<th>Co-op Required/Optional (R/O)</th>
<th>Co-op Credit Awarded (Yes/No)</th>
<th># of Co-ops at Work, Fall 2012</th>
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<th># of Unique Co-op Students Enrolled, AY 2012-2013</th>
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**Totals**: 1 2 19
General Internship Program Information – Academic Year 2013

Total Staff: Professional 1  Other –
Administration Is: –

Traditional Summer Only Program ................. –
Parallel Part-Time & Through School Year ........ –
Other Part-Time Programs................................ –

ENGR/ENGR Tech Intern Enrollment
UnderGrad –  Grad –  TOTAL –
ENGR/ENGR Tech Intern Terms (Placements)
TOTAL –

Enrollment/Degree Information
Total University Enrollment ........................................ 26,947
Total ENGR/ENGR Tech Enrollment ................................ 492/444
Number of ENGR/ENGR Tech Degrees Awarded ............... 54/114

General Institutional Characteristics and Information
• Third largest university in NC
• Located in Greenville (80 miles East of Raleigh)

Notes
• The College of Technology & Computer Science has four departments: Computer Science, Construction Management, Engineering and Technology Systems.
• The Department of Engineering was established in 2004, graduated its first class in 2008, and received full ABET accreditation in 2009.
• The Department of Engineering offers a BS in Engineering with concentrations in Industrial & Systems, Mechanical, Bioprocess, Biomedical, and Electrical.
• The Department of Technology Systems offers 5 undergraduate degree programs in Design, Industrial Distribution & Logistics, Industrial Engineering Technology, Industrial Technology and Information & Computer Technology.
• The Department of Technology Systems is accredited by the Association of Applied Technology Management and Applied Engineering (ATMAE).
## Engineering and/or Engineering Technology Intern Education Curricula Available

<table>
<thead>
<tr>
<th>Program</th>
<th>Internship Required/Optional (R/O)</th>
<th>Intern Credit Awarded (Yes/No)</th>
<th># of Interns at Work, Fall 2012</th>
<th># of Interns at Work, Winter 2013</th>
<th># of Interns at Work, Spring 2013</th>
<th># of Interns at Work, Summer 2013</th>
<th># of Unique Intern Students Enrolled, AY 2013</th>
<th>ACCE Accreditation (Yes/No)</th>
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<tbody>
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<td>–</td>
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</tr>
<tr>
<td>BS Industrial Technology</td>
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<td>–</td>
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<td>No</td>
</tr>
</tbody>
</table>

### Totals

|                                      |                                     |                                 |                                 |                                 |                                 |                                 |                                 |                  |

### Additional Program Information

- We have a large number of students in all academic areas completing internships. We hope to provide better data in the future.
General Internship Program Information – Academic Year 2013

Total Staff: Professional 4 Other Student Intern
Administration Is: Centralized

Traditional Summer Only Program ...............Yes
Parallel Part-Time & Through School Year ......Yes
Other Part-Time Programs..............................No

ENGR/ENGR Tech Intern Enrollment
UnderGrad 926 Grad – TOTAL 926

ENGR/ENGR Tech Intern Terms (Placements)
TOTAL 752

Enrollment/Degree Information

Total University Enrollment.................................16,085 Undergrad 7,916 Grad
Total ENGR/ENGR Tech Enrollment.........................10,038 Undergrad 4,442 Grad
Number of ENGR/ENGR Tech Degrees Awarded........1,816 Undergrad 1,403 Grad

General Institutional Characteristics and Information

• The Georgia Institute of Technology is one of the nation’s top research universities, distinguished by its deeply held commitment to improving the human condition through advanced science and technology.

Notes

• Of the 14,480 students majoring in engineering in 2012-13, 32% were women.
• The top five work locations for interns in 2012-13 were, in rank order, Georgia, California, Texas, Ohio and Washington.
• There are 534 Internship Employers for 2012-2013.
• Total GTIP Student Earnings were $7,543,198.00 for 2012-2013.
• A recent Georgia Tech analysis of retention rates showed that co-op/internship students are more likely to graduate within six years than students without any co-op or internship experience (94% vs. 73%).
• In addition to the domestic co-ops included in this directory, Georgia Tech had 148 students to complete 156 work terms in 33 different countries through its International Internship/Co-op Program during 2012-2013.

Top Intern Employers 2012-2013

Georgia Tech Research Institute
AT & T
Amendia

Clorox
JP Morgan
# GEORGIA INSTITUTE OF TECHNOLOGY

## Directory of Intern Programs

**Engineering and/or Engineering Technology Intern Education Curricula Available**

<table>
<thead>
<tr>
<th>Engineering Field</th>
<th>Internship Required/Optional (R/O)</th>
<th>Intern Credit Awarded (Yes/No)</th>
<th># of Interns at Work, Fall 2012</th>
<th># of Interns at Work, Winter 2013</th>
<th># of Interns at Work, Spring 2013</th>
<th># of Interns at Work, Summer 2013</th>
<th># of Unique Intern Students Enrolled, AY 2013</th>
<th>ACCE Accreditation (Yes/No)</th>
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<tbody>
<tr>
<td>Aerospace Engineering</td>
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<td>3</td>
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<td>22</td>
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<td>5</td>
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<td>Chemical and Biomolecular Engineering</td>
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<td>12</td>
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<td>77</td>
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<td>10</td>
<td>15</td>
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<td>Industrial Engineering</td>
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<td>2</td>
<td>13</td>
<td>18</td>
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<td>Nuclear and Radiological Engineering</td>
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<td>11</td>
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<td>16</td>
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<tr>
<td>Polymer and Fiber Engineering</td>
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<td>No*</td>
<td>0</td>
<td>0</td>
<td>6</td>
<td>6</td>
<td>16</td>
<td></td>
</tr>
</tbody>
</table>

*Interns are registered in an audit-credit course during their work terms.*
Joseph Hornik  :  Instructor & Internship Coordinator  
mailing address  :  School of Computing & Information Systems
                  1 Campus Drive, Allendale, Michigan 49401-9403
office location  :  C2-207 Mackinac Hall
p. 616.331.2395  f. 616.331.2106
hornikj@gvsu.edu  www.cis.gvsu.edu/academics/internship

General Internship Program Information – Academic Year 2013
Total Staff:  Professional 1  Other 0
Administration Is: Centralized

Traditional Summer Only Program .................. Yes
Parallel Part-Time & Through School Year ..... Yes
Other Part-Time Programs......................... Yes

ENGR/ENGR Tech Intern Enrollment
UnderGrad 105  Grad 0  TOTAL 105

ENGR/ENGR Tech Intern Terms (Placements)
TOTAL –

Enrollment/Degree Information
Total University Enrollment ................................................. 24,654
Total ENGR/ENGR Tech Enrollment ..................................... 594
Number of ENGR/ENGR Tech Degrees Awarded ...................... –

General Institutional Characteristics and Information
•  Public Institution – Semester System
•  Degrees Offered: Bachelors, Masters
Notes

Objectives of the CIS Internship Program

- To enable students to gain valuable practical experience related to their academic field and to enhance their opportunity for employment upon graduation.
- To enable an employer to maintain closer liaison with the School of CIS and the University and to evaluate and train student interns as prospective full-time employees.
- To provide the School of CIS with a source of input on the current problems and needs of business and industry.

Catalog Description

- CIS 490 Internship: Internship in a computing situation with individual faculty supervision to allow students to apply academic knowledge to actual and professional experience. A minimum of 16 hours of actual field work per week under the supervision of a work supervisor is required. Graded credit/no credit. Prerequisites: Junior status, 2.0 overall GPA, 2.0 GPA in major. Variable credit (2 to 5 credits). Offered every semester.
- In addition to the above course description in the GVSU catalog, the Undergraduate Academic Policies and Regulations section of the catalog specifies that an Internship is experiential learning for credit taking place outside the classroom and directed by a field supervisor and a Grand Valley State University faculty member. A student may enroll up to a maximum of 15 credits of Internships. An Internship must be planned the semester before it takes place.

- Required Courses include an Intern Preparation course.
- Required for all CIS majors.

Engineering and/or Engineering Technology Intern Education

Curricula Available

<table>
<thead>
<tr>
<th></th>
<th>Internship Required/Optional (R/O)</th>
<th>Intern Credit Awarded (Yes/No)</th>
<th># of Interns at Work, Fall 2012 (if applicable quarter/semester)</th>
<th># of Interns at Work, Winter 2013 (if applicable quarter/semester)</th>
<th># of Interns at Work, Spring 2013 (if applicable quarter/semester)</th>
<th># of Unique Intern Students Enrolled, AY 2013</th>
<th>ACCE Accreditation (Yes/No)</th>
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<tbody>
<tr>
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<td>44</td>
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<td>Information Systems</td>
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<td>6</td>
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<td>12</td>
<td>8</td>
<td>85</td>
<td>105</td>
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</tbody>
</table>

Additional Program Information

- Spring semester/Summer semester Internships are combined to one twelve week semester.
General Internship Program Information – Academic Year 2013

Total Staff: Professional 3 Other –
Administration Is: –

Traditional Summer Only Program .......... Both
Parallel Part-Time & Through School Year ... Both
Other Part-Time Programs..............................–

ENGR/ENGR Tech Intern Enrollment
UnderGrad – Grad – TOTAL –

ENGR/ENGR Tech Intern Terms (Placements)
TOTAL 140

Enrollment/Degree Information

Total University Enrollment ............................................ 30,488
Total ENGR/ENGR Tech Enrollment ................................. 2,800
Number of ENGR/ENGR Tech Degrees Awarded ............... 370

General Institutional Characteristics and Information

• Urban institution, located in downtown Indianapolis

Notes

• In 2012, IUPUI ranked 7th by U.S. News and World Report in “Up-and-Coming National Universities.”
### Engineering and/or Engineering Technology Intern Education Curricula Available

<table>
<thead>
<tr>
<th>Internship Required/Optional (R/O)</th>
<th>Intern Credit Awarded (Yes/No)</th>
<th># of Interns at Work, Fall 2012</th>
<th># of Interns at Work, Winter 2013</th>
<th># of Interns at Work, Spring 2013</th>
<th># of Interns at Work, Summer 2013</th>
<th># of Unique Intern Students Enrolled, AY 2013</th>
<th>ACCE Accreditation (Yes/No)</th>
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<tbody>
<tr>
<td>Biomedical Engineering</td>
<td>O</td>
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<td>--</td>
<td>--</td>
<td>--</td>
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<td>--</td>
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<td>--</td>
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<td>--</td>
<td>--</td>
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<tr>
<td>Mechanical Engineering</td>
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<td>--</td>
<td>--</td>
<td>--</td>
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<td>Motorsports Engineering</td>
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<td>2</td>
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<td>--</td>
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</tr>
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</table>

**Total Engineering*** 37 18 15

**Total Engineering Technology** ** 4 5 8

**Totals** 77 25 38

*Excluding Motorsports Engineering

**Excluding Biomedical and Construction
General Internship Program Information – Academic Year 2013

Total Staff: Professional 4 Other –
Administration Is: College Centralized

Traditional Summer Only Program ............ Yes
Parallel Part-Time & Through School Year .... Yes
Other Part-Time Programs ......................... –

ENGR/ENGR Tech Intern Enrollment
UnderGrad – Grad – TOTAL –

ENGR/ENGR Tech Intern Terms (Placements)
TOTAL –

Enrollment/Degree Information
Total University Enrollment ........................................... 49,343
Total ENGR/ENGR Tech Enrollment ................................ 4,920
Number of ENGR/ENGR Tech Degrees Awarded ............... 540

General Institutional Characteristics and Information
• Public Land Grant Institution
• 4-year
• Graduate programs through doctorate level

Notes
• Data is self-reported by students through an annual survey, 385 students took survey with 317 reporting internship experience.
### Engineering and/or Engineering Technology Intern Education Curricula Available

<table>
<thead>
<tr>
<th>Course</th>
<th>Internship Required/Optional (R/O)</th>
<th>Intern Credit Awarded (Yes/No)</th>
<th># of Interns at Work, Fall 2012</th>
<th># of Interns at Work, Winter 2013</th>
<th># of Interns at Work, Spring 2013</th>
<th># of Interns at Work, Summer 2013</th>
<th># of Unique Intern Students Enrolled, AY 2013</th>
<th>ACCE Accreditation (Yes/No)</th>
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</thead>
<tbody>
<tr>
<td>Applied Engineering Sciences</td>
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<td>Biosystems Engineering</td>
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<td>Chemical Engineering</td>
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<td>Civil Engineering</td>
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</table>
General Internship Program Information – Academic Year 2013

Total Staff: Professional 1  Other 0
Administration Is: –

Traditional Summer Only Program ............. Yes
Parallel Part-Time & Through School Year ...... No
Other Part-Time Programs.............................. No

ENGR/ENGR Tech Intern Enrollment
UnderGrad 474  Grad 40  TOTAL 514

ENGR/ENGR Tech Intern Terms (Placements)
TOTAL –

Enrollment/Degree Information
Total University Enrollment .......................................................... 8,000 +
Total ENGR/ENGR Tech Enrollment ............................................. 75%
Number of ENGR/ENGR Tech Degrees Awarded ......................... 79%

General Institutional Characteristics and Information
• STEM school (science, technology, engineering, math)
• Public/Land Grant
• Research

Notes
• Interns in 38 states in Summer 2012.
• Average S&T undergraduate intern salary is $3,320/month. Average S&T graduate intern salary is $4,384/month.
### Engineering and/or Engineering Technology Intern Education Curricula Available

<table>
<thead>
<tr>
<th>Engineering Field</th>
<th>Internship Required/Optional (R/O)</th>
<th>Intern Credit Awarded (Yes/No)</th>
<th># of Interns at Work, Fall 2012</th>
<th># of Interns at Work, Winter 2013 (if applicable quarter/semester)</th>
<th># of Interns at Work, Spring 2013</th>
<th># of Interns at Work, Summer 2013 (if applicable quarter/semester)</th>
<th># of Unique Intern Students Enrolled, AY 2013</th>
<th>ACCE Accreditation (Yes/No)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Aerospace Engineering</td>
<td>0</td>
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<td>–</td>
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</table>

**Totals**

|                                 | 469 | 344 |

### Additional Program Information

- Academic year runs Summer Semester through Spring Semester (ex: Summer 2012, Fall 2012, Spring 2013 is an Academic Year)
General Internship Program Information – Academic Year 2013

Total Staff: Professional 2        Other 1
Administration Is: Centralized

Traditional Summer Only Program ...............Yes
Parallel Part-Time & Through School Year .... Yes
Other Part-Time Programs ......................... No

ENGR/ENGR Tech Intern Enrollment
UnderGrad 439   Grad 6   TOTAL –

ENGR/ENGR Tech Intern Terms (Placements)
TOTAL 445

Enrollment/Degree Information

Total University Enrollment ........................................................... 2,624
Total ENGR/ENGR Tech Enrollment ................................................. 2,496
Number of ENGR/ENGR Tech Degrees Awarded ............................... BS 250    MS/PhD 35

General Institutional Characteristics and Information

• Sixteen academic departments offer more than 35 engineering or science degree programs at the baccalaureate, masters, and doctoral levels.

• One of “America’s Best College Buys” 14 consecutive years. 80% of students attend full-time. Students from 45 states and 37 countries.

• 78% of 2013 BS graduates reported obtaining co-op or internship experience before graduating.

Notes

• Founded in 1885, the South Dakota School of Mines and Technology has a proud ‘legacy of excellence’ in preparing graduates to serve as leaders in engineering and science. Sixteen academic departments offer more than 35 degree programs at the baccalaureate, masters, and doctoral levels. In small, interactive classes and within state-of-the-art facilities and laboratories, our 2,500+ students collaborate with more than 100 award-winning faculty on engineering and scientific issues of critical importance to South Dakota, the nation, and the world.

• Average placement rate - 98%; Average starting salary of graduates - $62,400.

• Enrollment by gender - Men: 77%, Women: 23% First-to-second-year retention - 79%
### Notes

### Engineering and/or Engineering Technology Intern Education Curricula Available

<table>
<thead>
<tr>
<th>Engineering Program</th>
<th>Internship Required/Optional (R/O)</th>
<th>Intern Credit Awarded (Yes/No)</th>
<th># of Interns at Work, Fall 2012</th>
<th># of Interns at Work, Winter 2013</th>
<th># of Interns at Work, Spring 2013</th>
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**Totals:** 445
General Internship Program Information – Academic Year 2013

Total Staff: Professional – Other –

Administration Is: –

Traditional Summer Only Program ................. No
Parallel Part-Time & Through School Year .... Yes
Other Part-Time Programs ......................... –

ENGR/ENGR Tech Intern Enrollment
UnderGrad – Grad – TOTAL 48

ENGR/ENGR Tech Intern Terms (Placements)
TOTAL –

Enrollment/Degree Information

Total University Enrollment ........................................ 26,000
Total ENGR/ENGR Tech Enrollment ................................ 3,700
Number of ENGR/ENGR Tech Degrees Awarded .................... –

General Institutional Characteristics and Information

• Urban, Research Institution

Engineering and/or Engineering Technology Intern Education
Curricula Available

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<th>College of Engineering</th>
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General Internship Program Information – Academic Year 2013

Total Staff: Professional 1 Other –
Administration Is: Decentralized

Traditional Summer Only Program ..............Yes
Parallel Part-Time & Through School Year .... Yes
Other Part-Time Programs .........................No

ENGR/ENGR Tech Intern Enrollment
UnderGrad 66 Grad – TOTAL 66

ENGR/ENGR Tech Intern Terms (Placements)
TOTAL –

Enrollment/Degree Information

Total University Enrollment ................................ Undergrad 19,500 Grad 9,500
Total ENGR/ENGR Tech Enrollment ..................... Undergrad 2,856 Grad 1,344
Number of ENGR/ENGR Tech Degrees Awarded .......... Undergrad 712 Grad 552

General Institutional Characteristics and Information

• Public Institution – Semester System
• Degrees Offered: Bachelors, Masters, PhD
• Suburban Campus
### Engineering and/or Engineering Technology Intern Education Curricula Available

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<th>Engineering Field</th>
<th>Internship Required/Optional (R/O)</th>
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<th># of Interns at Work, Spring 2013</th>
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General Internship Program Information – Academic Year 2013

Total Staff: Professional 1 Other 4
Administration Is: Centralized

Traditional Summer Only Program ............ Yes
Parallel Part-Time & Through School Year ..... Yes
Other Part-Time Programs ...................... Yes

ENGR/ENGR Tech Intern Enrollment
UnderGrad 32 Grad 0 TOTAL 32

ENGR/ENGR Tech Intern Terms (Placements)
TOTAL 32

Enrollment/Degree Information

Total University Enrollment .........................2012-2013 3,320 2013-2014 3,410
Total ENGR/ENGR Tech Enrollment ..................2012-2013 631 2013-2014 637
Number of ENGR/ENGR Tech Degrees Awarded ....2011-2012 127 2012-2013 107

General Institutional Characteristics and Information

• Private Institution – Semester System
• Degrees Offered: Bachelors, Masters, Limited PhD
• Urban Campus

Notes

• Participant since 2013 in MECOP Internship Program. Placements in 6-month internships for ME and CS students.
• Internship programs with local offices of global companies, eg, Skanska Construction.
## Engineering and/or Engineering Technology Intern Education Curricula Available

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### Additional Program Information
- Internship data self-reported voluntarily by students; overall response rate 20%.
- All programs listed are ABET-accredited.
General Internship Program Information – Academic Year 2013

Total Staff: Professional 1  Other 1
Administration Is: –

Traditional Summer Only Program ................. Yes
Parallel Part-Time & Through School Year .... No
Other Part-Time Programs.......................... No

ENGR/ENGR Tech Intern Enrollment
UnderGrad 5  Grad 0  TOTAL –
ENGR/ENGR Tech Intern Terms (Placements)
TOTAL 5

Enrollment/Degree Information
Total University Enrollment........................................ 8,500
Total ENGR/ENGR Tech Enrollment............................. 2,900
Number of ENGR/ENGR Tech Degrees Awarded............... 450

General Institutional Characteristics and Information
• Public Institution
• Bachelor’s Degree
• Semester System
## Engineering and/or Engineering Technology Intern Education Curricula Available

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<th># of Interns at Work, Winter 2013</th>
<th># of Interns at Work, Spring 2013</th>
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<th># of Unique Intern Students Enrolled, AY 2013</th>
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General Internship Program Information – Academic Year 2013

Total Staff: Professional 2  Other 3
Administration Is: –
Traditional Summer Only Program ............ Yes
Parallel Part-Time & Through School Year ...... No
Other Part-Time Programs ..................... No

ENGR/ENGR Tech Intern Enrollment
UnderGrad 106  Grad 0  TOTAL 106

ENGR/ENGR Tech Intern Terms (Placements)
TOTAL –

Enrollment/Degree Information
Total University Enrollment ............................................................ 3,400
Total ENGR/ENGR Tech Enrollment ........................................ 380
Number of ENGR/ENGR Tech Degrees Awarded ..................... 80

General Institutional Characteristics and Information
• Consistently named a “Best College” by U.S. News & World Report since 1990.
• An atmosphere of “Active Learning” is encouraged through Co-ops and Internships offered throughout the university.
• Valparaiso University is an independent Lutheran University that nurtures students of all faith backgrounds, fostering both intellectual and spiritual growth.

Notes
• The Internship Program started in 1995 and has run continuously since then. Internship opportunities are available in Electrical, Computer, Civil, and Mechanical Engineering.
• Post graduation placement for engineering majors has ranged from 98% to 100% over the past twenty years.
• Valpo Engineering graduates work for some of the world’s best companies including: Caterpillar, Honeywell, NASA, Navistar, Toyota, Acelor Mittal, Cummings, John Deere, Texas Instruments, Motorola, Chrysler.
• Valpo Engineering graduates are attending some of the world’s best graduate schools including: Northwestern University, University of Minnesota, University of Michigan, Purdue University, University of Illinois at Urbana Champaign, Vanderbilt University, Georgia Institute of Technology.
### Engineering and/or Engineering Technology Intern Education Curricula Available

<table>
<thead>
<tr>
<th>Field</th>
<th>Internship Required/Optional</th>
<th>Intern Credit Awarded</th>
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<th># of Interns at Work, Winter 2013</th>
<th># of Interns at Work, Spring 2013</th>
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<th># of Unique Intern Students Enrolled, AY 2013</th>
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</table>
General Internship Program Information – Academic Year 2013

Total Staff: Professional – Other –

Administration Is: Jointly conducted through our Engineering Industrial Partnership Coordinator part-time position & our WKU Center for Career & Professional Development Career Counselor.

Traditional Summer Only Program ............ Yes
Parallel Part-Time & Through School Year ..... Yes
Other Part-Time Programs....................... No

ENGR/ENGR Tech Intern Enrollment
UnderGrad 31 Grad 0 TOTAL 31

ENGR/ENGR Tech Intern Terms (Placements)
TOTAL 31

Enrollment/Degree Information

Total University Enrollment................................................. 20,456
Total ENGR/ENGR Tech Enrollment................................. 678
Number of ENGR/ENGR Tech Degrees Awarded.................. 74

General Institutional Characteristics and Information

• Undergraduate Enrollment: 17,517
• Graduate Enrollment: 2,939
• Full Time: 14,315 PartTime: 6,141

Notes

• Our top five Summer Internship employers are Bowling Green Municipal Utilities(BGMU), J.M. Smucker Company-Scottsville, KY; Kentucky Transportation Cabinet(KYTC)-Multiple City locations in KY; Logan Aluminum-Russellville, KY; and Span Tech- Glasgow, KY.
• Overall Average Rate/ Hour: $13.10
• Summer Interns only are reported here from student employment surveys. Our parallel part time & through the school year are reported as parallel co-ops in the co-op directory and not counted again here.
Engineering and/or Engineering Technology Intern Education Curricula Available

<table>
<thead>
<tr>
<th>Civil Engineering</th>
<th>Electrical Engineering</th>
<th>Mechanical Engineering</th>
</tr>
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<tbody>
<tr>
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</table>

Additional Program Information

- WKU also offers technical degrees through our Department of Architectural and Manufacturing Sciences. Bachelor degree programs are Advanced Manufacturing, Architectural Science, Construction Management, & Technology Management. Also, a Master’s degree in Technology Management is offered. The internship numbers reported here do not include data from the AMS Department.

- All data reported here is from our Engineering department. We offer ABET accredited Engineering degrees in Civil, Electrical, and Mechanical Engineering.
General Internship Program Information – Academic Year 2013

Total Staff:  Professional 3  Other (4) 2=.5  2=.10

Administration Is: Decentralized

Traditional Summer Only Program ................Yes
Parallel Part-Time & Through School Year ..... Yes
Other Part-Time Programs............................Yes

ENGR/ENGR Tech Intern Enrollment
UnderGrad 784  Grad 63  TOTAL 847

ENGR/ENGR Tech Intern Terms (Placements)
TOTAL –

Enrollment/Degree Information

Total University Enrollment...........................................................13,813
Total ENGR/ENGR Tech Enrollment..............................................1,265
Number of ENGR/ENGR Tech Degrees Awarded............................188

General Institutional Characteristics and Information

• Public Research Institution – Semester System
• Associate, Bachelors, Masters, PhD
• Urban Campus

Notes

• The College of Science, Technology, Engineering and Mathematics (STEM) was formed in 2007. The STEM Professional Practice Program founded in fall of 2011. The actual internship and co-op program started Summer 2012.

• The undergraduate engineering program at Youngstown State University places in the top 25 percent in the world, under rankings released by U.S. News and World Report in the Best Colleges 2014 edition.

• Requirements for participation in Internship program: Junior/Senior Status and GPA of 3.0+ in discipline and 2.75+ overall.


• Faculty Advisors conducts a Mid-Semester Site Visit.

• Course registration fee of $85.00, plus the cost of the instructional/general/multi fee’s per credit hour.
## Engineering and/or Engineering Technology Intern Education Curricula Available

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<tr>
<th>Engineering and/or Engineering Technology</th>
<th>Internship Required/Optional (R/O)</th>
<th>Intern Credit Awarded (Yes/No)</th>
<th># of Interns at Work, Fall 2012</th>
<th># of Interns at Work, Winter 2013</th>
<th># of Interns at Work, Spring 2013</th>
<th># of Interns at Work, Summer 2013</th>
<th># of Unique Intern Students Enrolled, AY 2013</th>
<th>ACCE Accreditation (Yes/No)</th>
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