Cooperative Education (Co-Op) programs offer numerous benefits for students looking to gain real-world experience before they graduate. Participants choose between three-session or five-session models and will gain approximately 12-20 months of professional experience while alternating between semesters on campus taking classes and working with their professional practice employer. In our traditional Co-Op programs, all three or five work sessions are spent with the same employer, which allows for a strong relationship to build between the student and employer. As a result, students are able to work on longer, more important projects and are able to take on increasing responsible and diverse roles in their work sessions. This also allows students to experience multiple areas of a company’s operation.

Students earn a significant and competitive salary while working. Many Co-Op students are offered interviews or full-time positions with their host employer upon graduation.

FLEX CO-OP
With Flex Co-Op, students and employers commit to 2 work sessions, then either have the option to keep going for 1-3 additional terms, or can start a work session rotation with a new student/employer for a minimum of 2-3 terms.

What brought about this change? The demand for greater flexibility has led universities and employers nationwide to adopt the “flex” concept.

PARALLEL CO-OP
The Parallel Co-Op Program permits students to work part-time (up to 29 hours per week) during the academic year at local operations with a reduced academic load and full-time during summer terms at any location for a Co-Op employer. Parallel Co-Op provides an opportunity for students to avail themselves of academically relevant work experience by providing an income stream that more closely matches their flow of expenses.

MASTER’S CO-OP
The Master’s Co-Op program is a two-year MS-level Cooperative Education program in which the students will receive an MS degree based on their chosen discipline and a Cooperative Education certificate. By providing a work integrated learning program, the students who graduate from this program will not only meet all MS degree requirements, but will also have graduate-level industrial experience within a profession of their choice. Variation of this program may be offered at the PhD level.

GLOBAL ENGINEERING ALLIANCE FOR RESEARCH AND EDUCATION (GEARE)
GEARE is Purdue’s premiere global professional training program. The program is currently available to students from all engineering disciplines and computer science. GEARE students enhance their global competency by completing innovative projects at some of the world’s leading research institutions. Students will gain valuable practical experience and enhance their global competencies through work in an international setting. Students will earn credit transferable to their Purdue degrees.

GLOBAL RESEARCH
Global research experiences provided by the Office of Professional Practice allow students to work on innovative projects at some of the world’s leading research institutions. Students will gain valuable practical experience and enhance their global competencies through work in an international setting. Students will earn credit transferable to their Purdue degrees.

STUDY ABROAD
Professional Practice Study Abroad programs offer students an opportunity to gain an understanding of their profession in another country. The programs target first-year students. They provide a brief taste of what it would be like to work in another country and encourage students to pursue a longer-term global professional experience, such as GEARE, later in their academic career.

INTERNSHIP PROGRAMS
Internships are an excellent alternative to Co-Op programs for students looking to work for multiple employers. These programs offer more flexibility than Co-Op programs but with shorter work sessions. Unlike Co-Op sessions, internships are typically only one term. Internships provide crucial professional experience that helps students stand out from their peers, thus more likely to find a job after graduation.

Internships that require registration for academic or immigration reasons are administered by the Office of Professional Practice.
PAUL AMICO received his Bachelor’s degree in Civil Engineering from Purdue University. While attending Purdue, Amico completed a 5-Session Co-Op with Montgomery Watson, now Stantec. In 1996 he started at PDR Engineers, now renamed Tetra Tech. Since then, he has worked for several different consulting engineering firms delivering water infrastructure projects for municipal clients. Amico is currently with Carollo Engineers in Fresno, California. In his role, he splits his time between delivering water, wastewater, and storm water master planning, design, and construction projects throughout California, and supporting Carollo’s Utility Advisory Services group nationally.

GEOFFREY CUBITT received his Bachelor’s degree in Industrial Engineering from Purdue University, and his Master’s degree in Industrial Engineering from Stanford University. After completing 7 Co-Op rotations at Hughes Space and Communications (HSC), he then continued to work at HSC as a key member of the Information Systems architecture team. This team’s work led to HSC being ranked in Computer World’s “Fabulous 5” Client/Server Companies in 1995. Geoff was a founder of pioneering digital agency Roundarch, which became Isobar US in 2012.

THOMAS BEUTNER received his Bachelor’s degree in Aeronautical and Astronautical Engineering (AAE) from Purdue University, and Master’s and Doctorate degree in AAE from Stanford University. He completed 4 Co-Op rotations at General Dynamics in Fort Worth, Texas. In 1999, he became a program manager at the Air Force Office of Scientific Research. He later became a program manager at the Defense Advanced Research Projects Agency (DARPA). In 2010, he entered the Senior Executive Service, in which he served as the Director of Aerospace Sciences, and later as the Director of DARPA. In 2018, he returned to DARPA as the Deputy Director of the Tactical Technology Office. Dr. Beutner was recognized as an Outstanding Aerospace Engineering Alumni from the Purdue School of Aeronautics and Astronautics in 2007, and as a Distinguished Engineering Alumni by the College of Engineering in 2018.

ECKHARD GROLL is a Reilly Professor of Mechanical Engineering and was recently named head of Purdue Mechanical Engineering. He received his diploma in Mechanical Engineering from the University of Ruhr and his Doctorate from the University of Hannover. He served as the interim Director of Purdue’s Office of Professional Practice (OPP) in 2017 and as the Director from 2008-2018. He was responsible for growing the 3-session Co-Op program to the largest Co-Op program on campus. He also introduced the Master’s Co-Op and facilitated the move of the Interns for Indiana (IFI) program to OPP. During his time, he grew the program from 650 students in 2006-2007 to approximately 1300 students during the 2017-2018 academic year.

Launched in 2010, the Cooperative Education Hall of Fame is an annual celebration honoring academic leaders who have made significant contributions to Purdue’s Co-Op program or those alumni who have achieved excellence in their careers after participating in cooperative education during their time at Purdue. In essence, this event provides a lens through which current and future students can view the power of Co-Op as a means of drawing the map for their future success. Previous inductees have included executives, politicians, lawyers, high-ranking technical experts and Purdue faculty with a passion for experiential learning. The 2018 class of inductees, as featured, were no exception to these high standards set before them.

This year’s Hall of Fame was held on September 14, 2018 at the Purdue Memorial Union. The event featured opening remarks from Director of OPP Eric Nauman, special remarks from Mung Chiang the John A. Edwardson Dean of the College of Engineering, an update from Professional Practice Ambassadors’ President Mary Lipari, and a formal induction ceremony.
STUDENT & EMPLOYER STATISTICS

TOTAL PROFESSIONAL PRACTICE STUDENT ENROLLMENT
(INCLUDES INTERNSHIPS THAT REQUIRE REGISTRATION AND ARE ADMINISTERED BY OPP)

<table>
<thead>
<tr>
<th>Year</th>
<th>Students</th>
</tr>
</thead>
<tbody>
<tr>
<td>2014 - 2015</td>
<td>507</td>
</tr>
<tr>
<td>2015 - 2016</td>
<td>1,653</td>
</tr>
<tr>
<td>2016 - 2017</td>
<td>1,277</td>
</tr>
<tr>
<td>2017 - 2018</td>
<td>1,360</td>
</tr>
</tbody>
</table>

PROFESSIONAL PRACTICE STUDENTS
2018-2019 ACADEMIC YEAR

IN-STATE 33%  
OUT-OF-STATE 49%  
INTERNATIONAL 18%

FEMALE 32%  
MALE 68%

ACTIVE STUDENTS BY PROGRAM

<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>5-SESSION OPP-SPONSORED</td>
<td>18</td>
<td>31</td>
<td>24</td>
<td>53</td>
</tr>
<tr>
<td>3-SESSION OPP-SPONSORED</td>
<td>31</td>
<td>56</td>
<td>45</td>
<td>55</td>
</tr>
<tr>
<td>GEARE OPP-SPONSORED</td>
<td>279</td>
<td>300</td>
<td>413</td>
<td>455</td>
</tr>
<tr>
<td>TOTAL OPP-SPONSORED</td>
<td>404</td>
<td>355</td>
<td>318</td>
<td>295</td>
</tr>
</tbody>
</table>

TOTAL WORK SESSIONS
2018-2019 ACADEMIC YEAR

- MASTER'S INTERNSHIP: 14
- UNDERGRAD INTERNSHIP: 30
- OTHER GLOBAL: 33
- GEARE - GLOBAL: 79
- GEARE - DOMESTIC: 74
- MASTER'S CO-OP: 53
- 3-SESSION CO-OP: 372
- 5-SESSION CO-OP: 295

PROFESSIONAL PRACTICE EMPLOYERS PROVIDING OPPORTUNITIES BY LOCATION

<table>
<thead>
<tr>
<th>Year</th>
<th>2015</th>
<th>2016</th>
<th>2017</th>
<th>2018</th>
<th>2019</th>
</tr>
</thead>
<tbody>
<tr>
<td>316</td>
<td>35%</td>
<td>22%</td>
<td>30%</td>
<td>27%</td>
<td>27%</td>
</tr>
<tr>
<td>321</td>
<td>35%</td>
<td>22%</td>
<td>30%</td>
<td>27%</td>
<td>27%</td>
</tr>
<tr>
<td>301</td>
<td>35%</td>
<td>22%</td>
<td>30%</td>
<td>27%</td>
<td>27%</td>
</tr>
<tr>
<td>349</td>
<td>35%</td>
<td>22%</td>
<td>30%</td>
<td>27%</td>
<td>27%</td>
</tr>
<tr>
<td>331</td>
<td>35%</td>
<td>22%</td>
<td>30%</td>
<td>27%</td>
<td>27%</td>
</tr>
</tbody>
</table>

Some employers provide opportunities in multiple locations, thus percentages shown may exceed 100.
ENGINEERING PARTICIPATION

PERCENTAGE OF ENGINEERING DISCIPLINES ENROLLED IN CO-OP
2018-2019 ACADEMIC YEAR

- ME: 183 (30%)
- CHE: 112 (18%)
- EE: 60 (10%)
- AAE: 52 (9%)
- BME: 52 (9%)
- CMPE: 48 (8%)
- IE: 39 (6%)
- CE: 38 (6%)
- OTHER*: 31 (5%)

*Other Disciplines: MSE — 2%, NUCL — 1%, BE — 1%, EEE — 0.4%, AE — 0.3%, MDE — 0.3%

ENGINEERING STUDENTS BY DISCIPLINE
2015-2019 ACADEMIC YEAR

PERCENTAGE OF DISCIPLINES ENROLLED IN GEARE
2018-2019 ACADEMIC YEAR

- ME: 150 (33%)
- AAE: 67 (15%)
- CMPE: 49 (11%)
- CHE: 38 (8%)

*Other Disciplines: MSE — 2%, NUCL — 1%, BE — 1%, EEE — 0.4%, AE — 0.3%, MDE — 0.3%

POLYTECHNIC PARTICIPATION

PERCENTAGE OF POLYTECHNIC DISCIPLINES ENROLLED IN CO-OP
2018-2019 ACADEMIC YEAR

- MET: 5.6%
- MFET: 4.2%
- EET: 3.7%
- IET: 1.1%
- IE: 0.7%

POLYTECHNIC STUDENTS BY DISCIPLINES
2018-2019 ACADEMIC YEAR

- ME: 30, 57%
- CHE: 15, 28%
- CMPE: 12, 49%
- IE: 16, 36%

*Other Disciplines: MSE — 2%, NUCL — 1%, BE — 1%, EEE — 0.4%, AE — 0.3%, MDE — 0.3%

GEARE PARTICIPATION

POLYTECHNIC STUDENTS BY STATUS
2015-2019 ACADEMIC YEAR

- ACTIVE: MET 53, MFET 51, EET 46, IET 45, IE 33, EE 32, CMPE 23, CHE 21

- COMPLETED CERTIFICATE: MET 51, MFET 50, EET 46, IET 45, IE 33, EE 32, CMPE 23, CHE 21

- NEW APPLICANTS: MET 14, MFET 12, EET 11, IET 11

- NEW HIRED: MET 53, MFET 51, EET 46, IET 45

GEARE STUDENTS BY DISCIPLINE
2018-2019 ACADEMIC YEAR

- ME: 30 (57%)
- CHE: 15 (28%)
- CMPE: 12 (49%)
- IE: 16 (36%)

*Other Disciplines: MSE — 2%, NUCL — 1%, BE — 1%, EEE — 0.4%, AE — 0.3%, MDE — 0.3%

NEW APPLICANTS
ACTIVE
COMPLETED
CERTIFICATE
NEW HIRED
2015
2016
2017
2018
2019

- MET: 96, 108, 127, 149, 131
- MFET: 53, 51, 46, 45, 43
- EET: 286, 190, 205, 176, 212
- IET: 37, 14, 12, 11, 11

NEW APPLICANTS
ACTIVE
COMPLETED
CERTIFICATE
NEW HIRED
2015
2016
2017
2018
2019

- MET: 96, 108, 127, 149, 131
- MFET: 53, 51, 46, 45, 43
- EET: 286, 190, 205, 176, 212
- IET: 37, 14, 12, 11, 11

- MET: 53, 51, 46, 45, 43
- MFET: 53, 51, 46, 45, 43
- EET: 286, 190, 205, 176, 212
- IET: 37, 14, 12, 11, 11

- MET: 53, 51, 46, 45, 43
- MFET: 53, 51, 46, 45, 43
- EET: 286, 190, 205, 176, 212
- IET: 37, 14, 12, 11, 11
Milestone 5
Basics of electronic fabrication including soldering, PCB layout, and testing.

Milestone 6
Introduction to collecting data and driving motors with Arduinos. We begin with an introduction to microcontrollers and then build simple programs to take in data, store it, or act on it.

Milestone 7
Introduction to programming in Python and the Raspberry Pi. The goal of this Milestone is to ensure that students are familiar with Python, can transfer files to the Raspberry Pi, and perform higher level controls.

Milestone 8
Introduction to computer-based App development.

Milestone 9
“Sensor Fusion,” also known as the integration of Raspberry Pi with Arduino-based sensors and actuators.

Class
Design of an autonomous water vehicle which will integrate most of the aforementioned Milestones. The goal is to have students design, build, and program a custom drone to travel to a specific location in the water and take a sample for testing.

Milestone
Statistics and Interpretation of Reported Data.

Milestone
Pipe System Safety and Design.

Milestones mark progress along a path.

Invented by Roman engineers and first used along the Appian Way, they provided both standards of measure and motivated travelers towards their destinations. The Purdue Milestones program is designed to provide students with particular skills – outside of the normal curriculum that will enhance their experiences in class, clubs, co-ops, internships, and while doing research in laboratories. The curriculum is flexible and will evolve with input from our corporate and industrial partners, researcher groups, national laboratories, and the National Academies.

Initially, this program will be advertised to students in Engineering Honors, OPP, WIEP, MEP, and VIP, but will ultimately be available to the university as a whole.

We anticipate that each Milestone will consist of two or three sessions, each one lasting 2-3 hours and they will be documented with electronic microcertifications. While the Milestones do not have to be completed in a specific order, they group into families of skills related to specific disciplines.

FAMILY 1
PROTOTYPING AND MANUFACTURING

- Milestone 1
  Introduction to Computer-Aided Drafting (CAD) using Autodesk Fusion and 3D printing. Each student will design and 3D print three components designed to demonstrate the issues that students should be aware of when using 3D printers.

- Milestone 2
  Basic machining techniques using the bandsaw, mill, and lathe. These skills are important for students to understand so that they can prototype components safely and develop an understanding for the challenges associated with using machine tools.

- Milestone 3
  The three fundamental techniques for fabricating composites. These include wet layups, vacuum assisted resin transfer molding (VARTM), and prepreged carbon fiber.

- Milestone 4
  Introduction to Finite Element Analysis with a particular focus on how to ensure that the simulations are robust (convergence studies, analysis of boundary conditions, and choice of element type).

FAMILY 2
ELECTRONICS AND APP DEVELOPMENT

- Milestone 5
  Basics of electronic fabrication including soldering, PCB layout, and testing.

- Milestone 6
  Introduction to collecting data and driving motors with Arduinos. We begin with an introduction to microcontrollers and then build simple programs to take in data, store it, or act on it.

- Milestone 7
  Introduction to programming in Python and the Raspberry Pi. The goal of this Milestone is to ensure that students are familiar with Python, can transfer files to the Raspberry Pi, and perform higher level controls.

- Milestone 8
  Introduction to computer-based App development.

- Milestone 9
  “Sensor Fusion,” also known as the integration of Raspberry Pi with Arduino-based sensors and actuators.

Additional Milestones and Classes that are in Development

- Class
  Design of an autonomous water vehicle which will integrate most of the aforementioned Milestones. The goal is to have students design, build, and program a custom drone to travel to a specific location in the water and take a sample for testing.

- Milestone
  Statistics and Interpretation of Reported Data.

- Milestone
  Pipe System Safety and Design.
Purdue University has a long and distinguished history of partnering with industrial and governmental organizations to provide undergraduate students with practical training to enhance their educational experiences. One aspect of these partnerships is Corporate Sponsorship. The Office of Professional Practice relies on our corporate sponsors to provide the best experience to all students participating in the Professional Practice Programs. We are very grateful for corporate gifts received for the 2018-2019 academic year and would like to share with you how these gifts have been utilized.

When determining the best use of corporate gifts, we reflect on our department Mission Statement (below) and the aspect of enhanced employer engagement. The generosity of our corporate partners greatly impacts many students’ ability to participate in our programs and enables OPP to provide exceptional service to both students and employers.

**OPP MISSION STATEMENT**
To facilitate the experiential education and professional practice of Purdue University students within the academic environments of the institution and its global partners, to participate in academic research within the field of Professional Practice and to assist the academic units with enhanced employer engagement.

**USAGE OF CORPORATE GIFTS**
2018-2019 ACADEMIC YEAR

**Employer Related Workshops and Events**
- PPA Networking Night providing face to face interaction in a relaxed setting between employers and students
- GEARE Industry Night allowing students to meet with companies with global opportunities
- Co-Op Opportunities for Freshmen event that highlights the value of Co-Op to first year students

**Technology Improvements**
- Simplified registration through the new Simplicity database system that will be available for the 2020 Professional Practice Days registration

**GEARE Students**
- Approximately 50% of our corporate funds are designated for use with GEARE students
- Travel expenses in the form of scholarships and grants

**Student Groups**
- Helps fund the Professional Practice Ambassadors and GEARE Ambassadors student groups with professional development opportunities and social events

**Engagement Opportunities**
- Travel expenses for staff to engage with OPP students and employers at the employer's location

**Future**
- Staff development and focus on areas to grow in our service through feedback from employers and students

The Office of Professional Practice aids in producing graduates who are job ready, career ready, and world ready. Therefore, our experience-driven graduates are especially lucrative hires in both the public and private sector.

*Are you interested in recruiting these excellent candidates? Become a Professional Practice Partner today!*
DAIMLER is one of the biggest producers of premium cars and the world’s biggest manufacturer of commercial vehicles with a global reach. They provide financing, leasing, fleet management, insurance and innovative mobility services.

Eastman Foundation is a global specialty materials company that produces a broad range of advanced materials, additives and functional products, specialty chemicals, and fibers that are found in products people use every day.

Gulfstream produces the world’s most advanced business aircraft, with innovations from nose to tail and wingtip to wingtip, all while offering unmatched global product support and service.

Eli Lilly is a prominent pharmaceutical company with headquarters in Indianapolis, Indiana. They have been apart of many milestones in medical history such as being one of the first companies to mass produce the polio vaccine.

ZF Group is a global technology company that supplies systems for passenger cars, commercial vehicles and industrial technology. With its broad portfolio, the company offers integrated solutions for established vehicle manufacturers, mobility providers and start-up companies in the fields of transportation and mobility.

Air Products - With approximately 16,000 employees and operations in 50 countries, Air Products serves customers across a wide range of industries, from food and beverage to medical, energy and transportation. They also supply a unique portfolio of atmospheric and process gases, equipment, and service.

GE Aviation is a world-leading provider of business, military, and commercial jet engines, components and integrated systems for commercial and military aircraft. GE Aviation has a global service network to support these offerings.

General Motors - From electric cars to heavy-duty full-size trucks, General Motors provides a complete range of vehicles that meets the needs and expectations of drivers on a truly global scale. GM is the only company with a fully integrated solution to produce self-driving vehicles at scale and are committed to an all-electric future.

Exxon Mobil operates in most of the world’s countries and is best known by their familiar brand names: Exxon, Esso, ExxonMobil and Mobil. They make the products that drive modern transportation, power cities, lubricate industry, and provide petrochemical building blocks that lead to thousands of consumer goods.

Ed Miniat produces custom-formulated, sous vide-cooked beef, pork, chicken, and turkey for global food brands and national restaurant chains. Award-winning chefs, meat scientists, and experienced sales team will partner with you to find the ideal solution for your needs.

Meritor is a leading global supplier of drivetrain, mobility, braking and aftermarket solutions for commercial vehicle and industrial markets. They produce parts for military suppliers, trucks and trailers.

CEC Controls specializes in the design, build and startup of industrial and process controls systems. CEC Controls also provides maintenance-monitoring systems fully equipped with fault alarms and production report generation capabilities.

John Deere – John Deere is best known for quality agricultural and turf equipment. They’re the world’s leading manufacturer of farm equipment and take the lead worldwide in building forestry equipment. They are also a major force in construction equipment.

Cummins Inc. designs, manufactures, sells and services diesel and alternative fuel engines from 2.8 to 95 liters, diesel and alternative-fueled electrical generator sets from 2.5 to 3,500 kW, as well as related components and technology.

Kimberly-Clark has some of the most recognized brands in the world. Their brands hold the No. 1 or No. 2 shared position in 80 countries, and have five billion-dollar brands: Huggies, Scott, Kleenex, Cottonelle and Kotex. Additionally, they use sustainable practices to support a healthy planet and build stronger communities.

Generac – Whether it's a standby power system for a large data center, a backup generator powering the family home through an outage, portable generators powering tools at the job site, or the cleaning power of a pressure washer, Generac meets the power needs of consumers and businesses alike. Across the country and around the world.

GE Appliances designs and builds the world’s best appliances. From design to production to service, their goal is to help people improve their lives at home.

Sabic, headquartered in Riyadh, Saudi Arabia, manufactures on a global scale in the Americas, Europe, Middle East and Asia Pacific, making distinctly different kinds of products — polymers, chemicals, commodity and high performance plastics, agri-nutrients, and metals.

Endress+Hauser is a global leader in measurement instrumentation, services and solutions for industrial process engineering.
When I reflect on my college career, I can easily say Co-Op experiences have been by far the best thing I have done at school. Co-Op tours have allowed me to identify areas of specific interest, meet lifetime mentors, and shape my curriculum at Purdue to be better prepared for work post-graduation. With your scholarship, these experiences become more possible, and for that I am extremely grateful!

- Sam Evani

Established in 2007, the four scholarships honor the memory of the late Leonard E. Wood. Wood received his PhD from Purdue University in 1956 and subsequently joined the faculty as a Professor of Civil Engineering. He then became the School of Civil Engineering Faculty Coordinator for Purdue’s Cooperative Education Program in 1989, a role he continued in until his untimely death in 2004.

The scholarship fund exists thanks to a generous donation from Professor Wood’s widow, Margaret, who sought to honor his dedication to the Co-op program, while enabling the achievement of today’s Co-Op students. OPP has awarded 30 Wood Scholarships since 2007 including this year’s recipients.

The Leonard E. Wood Scholarship for Cooperative Education is awarded to deserving Co-Op students based on academic merit and life-changing experiences brought about by the Co-Op program. Cooperative education never had a greater friend, supporter, or promoter, and no one better exemplified the Co-Op value of practical education as a mentor, counselor, and teacher.

William and Linda Nelson have been long-standing generous supporters of Purdue’s Co-Op Program. William (Bill) is a graduate from Purdue University in 1974 earning a BS, and a year later, MS in Chemical Engineering. Having over 40 years of industry experience, Bill has received many awards to honor his accomplishments. Most recently, he has been inducted into the 2013 Cooperative Education Hall of Fame as well as been honored as a 2017 Outstanding Chemical Engineer by Purdue University.

An endowment fund was established by Bill and Linda November of 2011, and amended December 2017. The purpose of the amendment was to encourage participation in Co-Op, and reduce the student’s time to graduate. Steps to establish, support, and maintain this goal resulted in the creation of annual scholarships to Co-Op students. Additionally, incentive grants for instructors offering on-campus and/or online courses for Co-Op students have been generated in support of this goal.
The Office of Professional Practice is grateful for the support it receives from its generous alumni and friends of work-integrated learning at Purdue. Without their financial contributions, OPP could not consistently offer its innovative and highly relevant programming. We would like to recognize the following individuals for their altruism and generosity!

**ANNUAL GIVING**

150 YEARS OF GIANT LEAPS

**OPP IMPACT FUND**

Students who participate in Professional Practice Programs currently pay a $400 Professional Practice fee each work session to maintain their full-time student status. Thanks to support from President Mitch Daniels, this fee was reduced from $1,000 to $400, indexed to tuition (which has remained flat for the past few years).

Our goal is to grow participation in OPP programs to 1,500 students per academic year by 2020. To make our programs as accessible for students as possible, OPP and our students are continuing an endowment fundraising campaign for the OPP Impact Fund.

Through this fund, we will eliminate the Co-Op registration fee and finance the Office of Professional Practice independently of University resources. The OPP Impact Fund will enable us to increase the number of students we serve and generate the necessary funds to develop courses and provide resources needed for the creation of innovative student development programs and services.

OPP’s programs provide Purdue students the competitive edge they need to succeed and to contribute in their professional lives. Your gift helps make these opportunities affordable for all students. Join us in support of the OPP Impact Fund!

The Office of Professional Practice is grateful for the support it receives from its generous alumni and friends of work-integrated learning at Purdue. Without their financial contributions, OPP could not consistently offer its innovative and highly relevant programming. We would like to recognize the following individuals for their altruism and generosity!

**A SPECIAL THANK YOU**

Many thanks go to Ron Haddock, Tom Malott, Bill Nelson, and Jim Rau (pictured from left to right) for their incredible support of Professional Practice programs. Their magnificent generosity has already impacted thousands of Purdue students, with many more to feel their support in the years to come!

---

**David and Kathryn Bowers**

**Keith and Linda Brennan**

**Frederick and Mary Bried**

**Keith and Linda Brennan**

**Eckhard and Tamara Groll**

**William and Lisa Groves**

**David and Maggie Guaresimo**

**Robert and Ann Heeter**

**Kevin and Megan Hess**

**Robert and Ann Johnson**

**Norman and Toyzanne Jones**

**Philip and Susan Karau**

**Peter and Candee Krautkramer**

**Steven and Kristina Matthews**

**Eric and Mary Nauman**

**Daniel and Laura Niemeier**

**Chee-Mun and Penelope Ong**

**Mark and Amy Proegler**

**J. Michael and Susan Reagin**

**Paul and Peggy Reising**

**Jeffrey and Sari Vlahakis**

**Robert and Betty Straub**

**Michael and Kalli Stull**

**Joseph and Tricia Tort**

**Steve and Lori Wanders**

**Brian and Laura Williams**

**Gregory and Monica Winer**

**Connor Angelo**

**Ernesto Barajas**

**Alberto Beltran Cervantes**

**Annelise Berghoff**

**Christopher Brauer**

**Andrew Brobst**

**Dawn Buchel**

**Caley Burke**

**Hilary Butler**

**Claire Chandler**

**Matthew Cilillo**

**Donna Clifton**

**Eleanor Clifton**

**Stephen Corbin**

**Christopher Corbitt**

**Ilene Dailey**

**Deborah Davis**

**Eric Dodds**

**Michael Dwyly**

**Renee Fieldhouse**

**Joyce Griffin**

**Barbara Haney**

**Samuel Heath**

**Eric Hedman**

**Douglas Hogenkamp**

**Ronald Kiess**

**Zhander Kutbay**

**Matthew Laws**

**Andrew Lincoln**

**Sara Lyons**

**Theresa Matthews**

**Douglas McKissack**

**Karaa Mehrotra**

**Caryn Morgan**

**Lilly Myers**

**Sean Noble**

**Dennis Overly**

**Mila Pozynak**

**Cai Rohleder**

**Teresa Seger-Yeggy**

**Austin Smith**

**Bryan Swackhammer**

**Chloe Wiese**

**Margaret Wood**

**Yutong Xue**

**Adriana Zegarra**

**Paul and Peggy Reising**

**Jeffrey and Sari Vlahakis**

**Robert and Betty Straub**

**Michael and Kalli Stull**

**Joseph and Tricia Tort**

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**Gregory and Monica Winer**

**Connor Angelo**

**Ernesto Barajas**

**Alberto Beltran Cervantes**

**Annelise Berghoff**

**Christopher Brauer**

**Andrew Brobst**

**Dawn Buchel**

**Caley Burke**

**Hilary Butler**

**Claire Chandler**

**Matthew Cilillo**

**Donna Clifton**

**Eleanor Clifton**

**Stephen Corbin**

**Christopher Corbitt**

**Ilene Dailey**

**Deborah Davis**

**Eric Dodds**

**Michael Dwyly**

**Renee Fieldhouse**

**Joyce Griffin**

**Barbara Haney**

**Samuel Heath**

**Eric Hedman**

**Douglas Hogenkamp**

**Ronald Kiess**

**Zhander Kutbay**

**Matthew Laws**

**Andrew Lincoln**

**Sara Lyons**

**Theresa Matthews**

**Douglas McKissack**

**Karaa Mehrotra**

**Caryn Morgan**

**Lilly Myers**

**Sean Noble**

**Dennis Overly**

**Mila Pozynak**

**Cai Rohleder**

**Teresa Seger-Yeggy**

**Austin Smith**

**Bryan Swackhammer**

**Chloe Wiese**

**Margaret Wood**

**Yutong Xue**

**Adriana Zegarra**
A new opportunity called the “Office of Professional Practice Employer Scholarship Fund” has been created in response to two common questions asked:

“How can I increase our brand awareness or name recognition?”

“What can I do to directly impact the students I need to recruit?”

One of the best ways to help students remember and recognize your company is to assist them with their education. In line with this train of thought, ExxonMobil has recently sponsored two $1,000 scholarships that have been awarded to deserving Co-Op students. If you would like to contribute to the Office of Professional Practice Scholarship Fund please let us know!
With the following lists, we acknowledge employers who have actively recruited Purdue Co-Op and GEARE students:

**BOTH INDIANA AND GLOBAL EMPLOYERS**

**Airbus**
**Allegion**
**Allison Transmission Inc.**
**Endress + Hauser**
**Faurecia Emissions Control Technologies**
**Hitachi**
**Roche Diagnostics Operations, Inc.**
**Rolls-Royce**
**ZF Group**
**ZimmerBiomet**

**INDIANA EMPLOYERS**

Altec Industries Inc.
American Structurepoint, Inc.
Applied Engineering Services, Inc.
ARCONIC
Asee Engineers
Aurora Parts & Accessories, LLC
Ball Systems Technologies
Bastian Material Handling
Behavior Analysis Center for Autism
Berry Plastics
Butt Construction Company
Catalent Biologics
Closure Systems International
Cook Pharmica
Cook Research
Cornerstone Autism Center
Cornerstone Controls
Crane Army Ammunition Activity
CTS Corp.
Cummins Inc.
Delta Faucet Co.
Depuy Synthes
Domestic Corporation
Earth Exploration, Inc.
EL Lilly
Elkhart County Highway
Eskenazi Health
Federal-Mogul Corp.
Freudenberg-Nok
FULLBEAUTY Brands
GAF
Grain Processing Corporation
Grundfos
GRW Engineers, Inc.
HENDRICKSON
Jarden Corporation
Kendrion (Mishawaka), LLC
KEMIDA Inc.
Knsaf Insulation
Landis+Gyr
Lippert Components
Manufacturing Technology
Mead Johnson
MED Institute, Inc.
Medtronic
Meritor
Milestone AV Technologies LLC
Milliman PRM Analytics
ms consultants, inc.
Nanshan
Overton Industries
Paragon Medical Inc.
Power Transmission Solutions
Praxair Surface Technologies, Inc.
Regal Beloit
Richard L. Roudebush VA Medical Center
RZ Automation, Inc.
SABIC Innovative Plastics
Samtec
SDI Innovations
Southlake Automation
Southwire
ST Vincent Indiana
Stanley Security Solutions, Inc.
Stant Corporation
Tate and Lyle North America, Inc.
Technicolor
The Norey Corporation
Thermo-Tru Corporation
TOTOYA
Trelleborg Sealing Solutions
Troyer Group, Inc.
Unavco
United Consulting Engineers
United Technologies
Valleys Oaks Health
Vehicle Service Group
Vertellus Specialties Inc.
V5 Engineering, Inc.
Welteh Engineers, Inc.
WSP USA

**GLOBAL EMPLOYERS**

3M
Air Tractor
Ambarella Inc.
Asteria Aerospace
Badve Engineering Ltd.
Baidu
BASF
Bechtel India Ltd.
Belectric
Borealis
Cadenas Parts Solutions
Camso Loadstar (PVT)
Caterpillar
CFC Controls Company Inc.
China Bridge Capital
Chongqing Sehr Robot Technology Ltd.
Clever PPC
Compania Nacional de Chocolates
CTE Centro De Tecnologia
CYTE Ingenieros
DAAD Rise Program
Daimler
Datum Aerospace
DLR
EAFIT
Eaton Corporation
Edmund Optics
Egefer Ltd.
Ensacar SA
Ericsson
Espouse Technology
ETH Zurich Research
FCA US LLC (Fiat Chrysler Automobiles)
Ferrovial-Civil Infrastructure
Generac Power Systems
Grainman
GS1
HD Investment Corp
Hydroelectric Plant
Hindustan Petroleum Limited
Honda
Hong Kong Polytechnic
Hong Kong University of Science and Technology
HP Barcelona
IMMI
Indian Oil Company
Indurama
IndusInd Bank
INMEL Ingenieria S.A.S
Integer
Intel Microelectronics
International Livestock
Research Center
ITAWI
John Deere
Khronos
King Abdullah Design and Dev’t Bureau
KIT Research
KTH Sweden
Kuwait Reinsurance Company
Leibniz University Research
Leichtwerk
Mahindra
Manulal Inst. Tech
Max Planck Institute
Mcafee
Midea America Corp
Moles, LLC
Montez EPS Solutions
Nakatani Reis U.S. Fellowship Program
Nok Air
Opinotor
Optima-Pharma
Parker Hanniflin
Perkins Power
Procter and Gamble Co.
R.A. Jones and Co., Inc.
Renault
Repsol
Robert Bosch Corporation
Rockwell Collins
Rohde & Schwarz
Ruhr University Bochum
Sagami Central Chemical
Research Institute
Sales Force
Sapura Kencana Power Service
Sarten Ambalaj Ticaret ve Sanayi AS
Schaeffler
Seoul National University
Sert San Antonio
Shanghai Dechen Automotive
Sales Co.
Shenyang Machine Tool Company
Sidem Veolia
Singspec Engineering Incorporation
SJTU Research
Sorgenia
Starburst Accelerator
Stryker Corporation
 Suzhou WSD Purification Technology
Synopsis
TE Connectivity
Tec De Monterey Queretaro Research
TECSUP
The Hon Company Asia
Tsinghua University Research
TU Austria
TU Berlin
TU Braunschweig Research
TU Delft
Tunisian Innovation Center
U Applied Sci Buchs Research
UC3M Research
University College London Research
University of Modena
University of Queensland Research
University of San Francisco de Quito
University of Stuttgart
Ventureurs
Volvo Car Corp.
Walsh Group
Whirlpool
Workhardt Pharmaceuticauls
Wooga GmBH
Yang-Ming University Research
Yonsei University-Research
Zeppelin
Greetings from the Office of Professional Practice (OPP)!

We appreciate your interest and support of Purdue’s Professional Practice Programs. OPP continues to expand its offerings across the university and to engage more companies every year. The 2018-2019 academic year was extremely positive and there was a wealth of opportunities available to the 1,300 + students that we worked with.

The OPP mission, to promote experiential education within the academic environment of the institution, continues to be important to students, faculty, and our corporate partners and we are deeply appreciative of all our stakeholders. As we expand the offerings within OPP we are working to keep those stakeholders at the core of philosophy. As we move forward, we are implementing our Milestones Program this fall to ensure that students have the best training in mechanical and electronics prototyping, computing, and analysis. Our goal is to ensure that the students are able to accomplish as much as possible during their work rotations and expand their skill sets while on campus.

Thank you for your interest in the Office of Professional Practice. I hope you enjoyed this edition of our annual report and all the effort and success it reflects.