

Education partner experiences




Exposure, immersion, employment



TALENT
+ TECHNOLOGY

K-12 experiences

Exposure

Community Career+ Education Forum	Innovation Studio	Classroom experience	Student job shadow
<p>3 hours</p>  <p>CCEF, an annual event to expose 7th, 8th and 9th graders, parents and educators to STEM, trades and manufacturing:</p> <ul style="list-style-type: none"> ▪ Tours ▪ Education Partners ▪ Tradeshow <p>Locations:</p> <ul style="list-style-type: none"> ▪ Greenwood, IN ▪ Pearland, TX <p>Future Locations:</p> <ul style="list-style-type: none"> ▪ Mobile, AL ▪ Philadelphia, PA ▪ Charlotte, NC 	<p>Weekly availability (1-3 hours)</p>  <p>A physical learning lab where teachers can bring their students for STEM activities:</p> <ul style="list-style-type: none"> ▪ Robotics ▪ 3D design/printing ▪ Coding ▪ Manufacturing <p>Ready-made curriculum aligned with national standards. Targeted toward K-8 with application for high school.</p> <p>In partnership with</p> 	<ul style="list-style-type: none"> ▪ Field trips ▪ Guest speakers ▪ Demonstrations ▪ PTU/Lab experiences ▪ Mentoring ▪ Project collaboration ▪ Corporation STEM grants ▪ Industry advisory board representations 	<p>1-3 days (8-20 hours)</p> <p>Provides a general view of a specific position at Endress+Hauser to expose Junior/Senior level students to options on a career path.</p>





Community benefits

*I don't know if I have ever seen a more selfless community partner than Endress+Hauser. The amount of **support they give to their local school communities is unbelievable.** They understand so well that for a **community to thrive** education, local government, and the business community must work together.*



High school experiences

Exposure	Immersion	Employment
<p>Youth STEM LEAD</p> <p>Monthly (90 minutes/month)</p>  <p>Youth STEM LEAD</p> <p>High school students attend monthly sessions led by employees sharing knowledge and engaging in activities around STEM, trades, manufacturing, business and leadership.</p> <ul style="list-style-type: none"> Application required Limited availability From October–May 	<p>Educator externship</p> <p>1–2 weeks (40–80 hours)</p> <p>Allows educators to gain a deeper understanding of careers and projects in STEM and manufacturing.</p>	<p>Student internship</p> <p>Full school year (8–10+ hours/week)</p> <p>Senior level students work closely with a department (or rotation of departments) at Endress+Hauser to complete projects that allow students to explore careers through real-world work experience. The internship experience is meant to assist students in determining a future career path.</p>
		<p>AMP</p> <p>4-yr Early College program (1,200 hours)</p>  <p>After completing Early College coursework in their high schools, Junior and Senior level students spend half their day taking courses at Ivy Tech Community College while employed with local industry partners. Students graduate high school, earn an Associate’s in Industrial Technology with a focus in Advanced Automation & Robotics, as well as complete approximately 1,200 hours work experience.</p>

“ Enormous value

The high school internship program has allowed students to gain experience in a professional environment. Interns are onboarded and then provided with opportunities to explore real projects and share their solutions. As an educator it adds enormous value for students to be able to share their real-world knowledge and professional experiences when they **debrief with their peers** for the classroom component. Exceptional community partners, like Endress+Hauser, make it possible for students to **explore career paths and gain experience** that will make a positive impact on their careers and lives.




“ Tangible benefits

Each student program offers unique opportunities for both the student and employer. Our engineering department has benefitted from multiple internships, co-ops and senior design projects. **Students enhance the diversity of our department while completing tangible engineering projects.** These projects hone the student’s problem solving skills and critical thinking. **These partnerships benefit our company, schools and community.** The students we connect with are the future engineers and leaders of our company. By reaching students early in their education, we reinforce the importance of science and math, and allow them to see what manufacturing is all about. Today’s manufacturing environment is bright, clean and inviting.



Postsecondary experiences

Exposure	Immersion	Employment			
Course and program	Instructor sabbatical	Paid student internship	Apprentice	Co-op	Rotational development
<ul style="list-style-type: none"> Field trips Guest speakers Demonstrations PTU/Lab experiences Mentoring Real-world projects embedded into courses Senior capstone and design projects Industry advisory board representations Program specific instrumentation donations and support 	<p>Flexible (per needs of instructor and Endress+Hauser)</p> <p>Allows post-secondary educators the opportunity to gain a deeper understanding of projects in engineering and manufacturing at Endress+Hauser, a global leader in process automation.</p>	<p>12 weeks (summer)</p> <p>Completed during a summer preceding Sophomore, Junior and/or Senior years for students* majoring in subjects that align with pre-determined project needs of Endress+Hauser (business, design, communication, engineering, HR, marketing, etc.).</p>	<p>5-year program 3 yr. training/work 2 yr. commitment</p> <p>High school graduates are hired as full-time employees and spend 3 days a week working at Endress+Hauser and 2 days a week earning an Associate's degree in Industrial Technology from Ivy Tech Community College; apprentices are paid for both work and school time.</p> 	<p>University dependent</p> <p>While earning a Bachelor's degree in Engineering, students gain industry experience by alternating between academic terms and full-time employment at Endress+Hauser.</p>	<p>6–12 months</p> <p>Recent college graduates are hired full-time at Endress+Hauser and spend time in various rotations throughout the Endress+Hauser Group. These rotations, which can include offsite enrichment rotations, prepare the employee to be launched into diverse employment opportunities within the Endress+Hauser network. Rotational development programs:</p> <ul style="list-style-type: none"> Engineer Technician Business

* Opportunities for internships abroad exist for Purdue GEARE students

A win-win

*My experiences throughout the apprenticeship program with Endress+Hauser have shown me what an incredible company it is. Beyond the privilege of working here for three years in the apprentice program, **I also receive a free education.** By learning skills that are essential to the industrial world, we can make a huge leap into any career that we strive for. No matter your path, Endress+Hauser will allow you to foster your interests and develop your skills for your desired career interests.*



Great opportunity

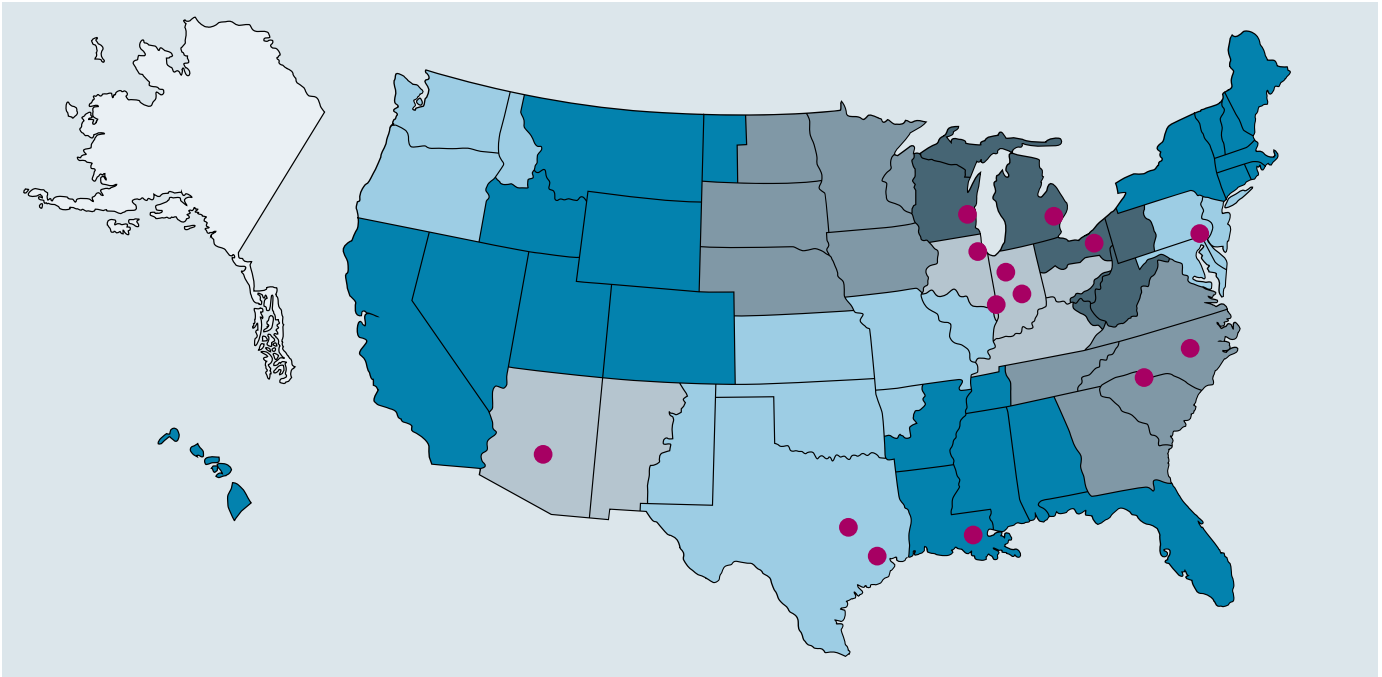
*The Rotational program is a great opportunity for recent **graduates who are ready to start a career, but unsure** what path will suit them best. After graduating, I was unsure how I wanted to use my degree, and the Rotational program allowed me to **experience different areas of the company to see which positions interested me** the most. Throughout the program I built relationships that I continue to use in my full-time placement. I was able to grow professionally and technically, which has helped me advance my career.*

Gratitude & confidence

*My internships with Endress+Hauser have and will allow me to complete the educational path that I came to college for. Being able to experience such a great company in a truly global manner will ensure that my educational experience **has real-world applications in the increasingly global profession** that is engineering, and will give me the skills and knowledge to be successful in my career no matter which continent I end up on.*



University partnerships



Endress+Hauser USA

- Purdue University
- Rose-Hulman Institute of Technology
- Indiana State University
- Indiana University Purdue University Indianapolis
- Ivy Tech Community College
- Kettering University
- Texas A&M
- University of Houston

Carotek

- UNC Charlotte
- North Carolina State

Eastern Controls, Inc.

- Drexel University

Forberg Smith

- University of Akron
- UW Milwaukee

George E. Booth, Co.

- Joliet Junior College
- Marian University
- University of Indianapolis

Instrumentation and Controls

- Arizona State University

TriNova

- Louisiana State University

Vector

- UH Clearlake



I did two internships with two different departments. Halfway through my senior year of college I accepted a full-time offer from Endress+Hauser.



Endress+Hauser

A strong partner worldwide



Endress+Hauser has been a reliable partner for the process industry for 69 years. We provide comprehensive support to our customers, from the laboratory to the process. Our core expertise lies in the fields of process instrumentation and laboratory analysis. With our products, solutions and services, we help our customers design safe, reliable, efficient and economically friendly processes across the entire life cycle. Our customers value our deep understanding of their applications and the special requirements of their industry.

We partner with a network of representatives who work closely with customers from various industries.

We partner with schools and universities, providing educational experiences to students from grades K–12 through college and university.

Endress+Hauser is a leading international supplier of measuring devices, services and solutions for industrial process engineering. Although we employ over 15,000 individuals worldwide, we remain a family-owned company. And family-owned companies are different. We believe that competent and motivated employees are the crucial factor for future success.

Business areas

- Process automation: products, services and solutions for flow, level, pressure and temperature measurement, process analysis and data management
- Laboratory automation: analytical instruments and bioanalytical systems (under the Analytik Jena brand)

Core industries

- Chemical
- Food & beverage
- Life sciences
- Mining, minerals & metal
- Oil & gas
- Power & energy
- Water & wastewater



Resources

Community Career+Education Forum



ccef-stem.com

Innovation Studio



us.endress.com/Innovation-studio

Rotational Development



us.endress.com/rdp

Apprentice Opportunities



endress.com/en/career/discover-your-potential/apprenticeships

Student Internships



us.endress.com/internship

Scholarship Opportunities



jccf.org

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