

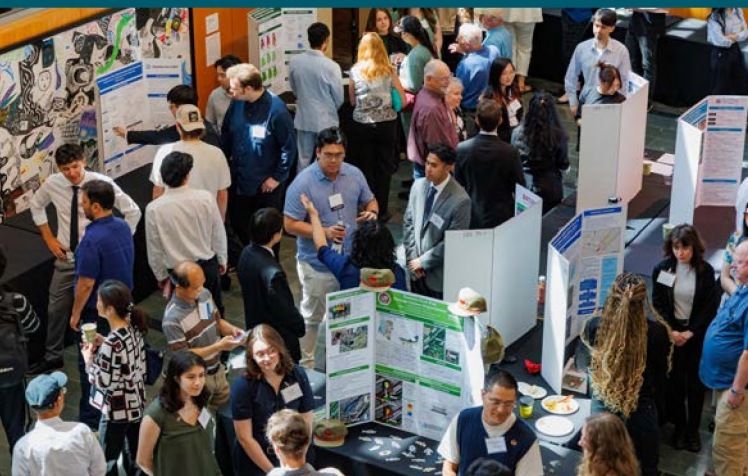
THE PROJECT CENTER

SEATTLE UNIVERSITY | COLLEGE OF SCIENCE AND ENGINEERING

HOW IT STARTED

Back in 1987, a group of Seattle University professors had an idea: what if students could work on senior capstone projects sponsored by industry partners? Local businesses were on board—they loved the chance to support student learning while tapping into fresh, innovative ideas. Twenty-two companies jumped in to sponsor projects for the very first Projects Day in 1988! Some of those original sponsors, like Boeing, PACCAR and Puget Sound Energy are still partnering with Seattle University today. Fast forward over 35 years, and the Project Center is absolutely thriving with over 40 projects happening every year!

Today, the Project Center takes pride in partnering with businesses, government agencies and nonprofit organizations who provide real-world assignments for student design teams. Senior design projects are an academic, year-long, team-based project where students apply their theoretical knowledge, problem-solving abilities and considerable skill to deliver solutions to problems defined by industry.



SINCE 1988

600+ STUDENTS HIRED
BY SPONSOR
ORGANIZATIONS

PROJECTS
IMPLEMENTED AT
SPONSOR
ORGANIZATIONS **65%**

1000+ INDUSTRY-LED
PROJECTS
COMPLETED

PATENTS AWARDED
FOR STUDENT WORK **30+**

90% POST-
GRADUATION JOB
PLACEMENT

RANKED BEST VALUE
UNIVERSITY IN
WASHINGTON STATE **#1**

CIVIL AND ENVIRONMENTAL ENGINEERING

Many senior projects are sponsored by government agencies, including Seattle City Light (SCL). Students work with SCL engineers to solve real world problems affecting the City of Seattle, furthering Seattle University's commitment to creating a greater community for all. Since 1991 Seattle City Light has sponsored over 40 projects and Seattle University students have been instrumental in providing:

- Seismic Evaluations of many powerhouses and substations in the greater Seattle area
- Bridge repairs and load evaluations
- Dam evaluations and repairs
- Environmental studies of SCL facilities
- And many more projects



“Working with the Project Center is a collaborative way to make headway on evaluating our structures. By utilizing student teams, Seattle City Light furthers our knowledge base on the structures while the students learn seismic analysis and perform the heavy number crunching under our supervision.”

-Robert Cochran

PE/SE Senior Civil Engineer
Seattle City Light



The Civil Engineering Program has been awarded 23 national awards for their senior projects, the most out of any program in the nation. One of the most recent awards they received was in 2024 for a project on a Seismic Retrofit and Structural Improvement of a Camp Facility for Children with Life-Altering Medical Conditions.

SINCE 2017:

- **11 NCEES Awards**
- **2 ASCE Environmental Water Resources Institute/WSP Student Design Competition awards**

Computer Science

As AI transforms the tech industry, the Project Center is evolving to give students the skills and experience they need. Our partnerships with Amazon, F5 and many other companies keep Seattle University at the forefront of tech innovation. By exposing students to real world problems and collaborating with industry professionals, they gain real world experience and develop their durable skills to prepare them for the workforce.



WHO YOU COULD WORK FOR

Seattle University has a vast network of sponsor organizations and companies that you could have the opportunity to work with, including:

PACCAR / Kenworth /

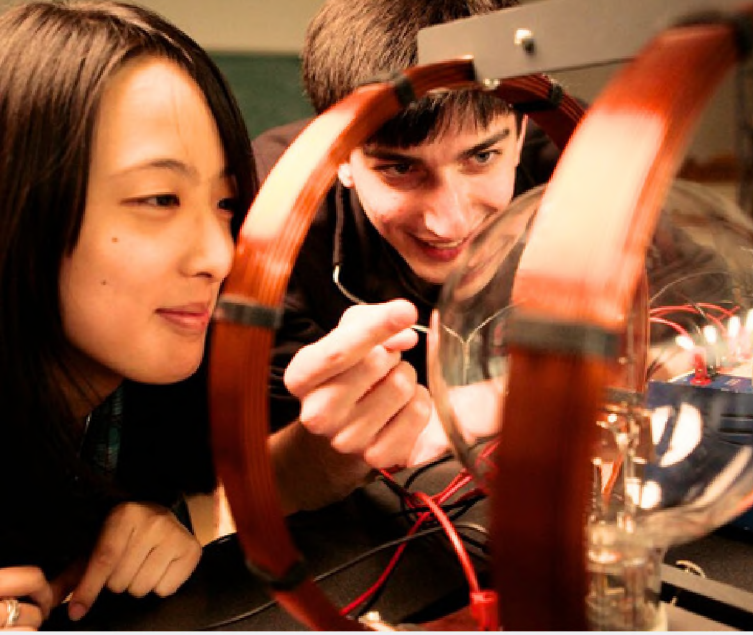
Boeing / T-Mobile /

Amazon / F5 /

Microsoft / King County

And many more!



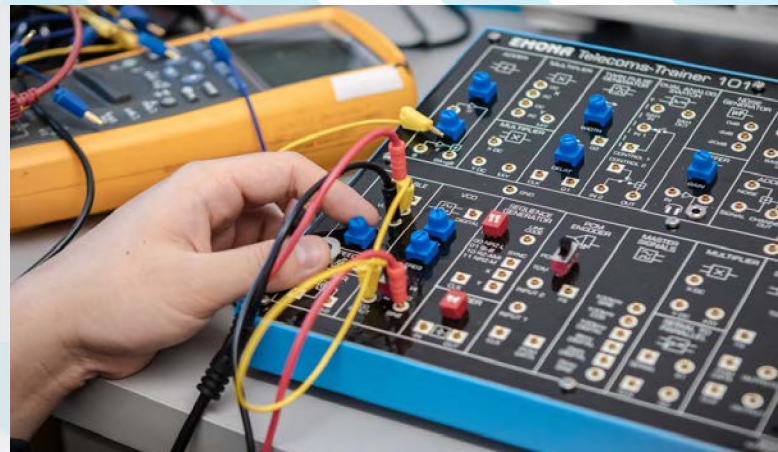


ELECTRICAL AND COMPUTER ENGINEERING

The Project Center proudly supports many local non-profit organizations, including Kilowatts for Humanity (KWH). Founded by Seattle University Professor Henry Louie, KWH works to provide sustainable energy solutions to communities in Zambia and Kenya and has been partnering with the Project Center since 2016. Some examples of student led projects for KWH include developing an Energy Kiosk Design and Simulation Tool, a Raspberry-Pi based Data Acquisition System and many more humanitarian-based engineering projects.

“The engineering design project provided an opportunity for me to expand and apply the technical knowledge and skills I had developed in my coursework, research and internships. Though our team faced many challenges, we discovered that we often learned new skills as we developed solutions.”

-Sara Beery '16
ECE & Math



MECHANICAL ENGINEERING

At Seattle University we are fortunate to be at the center of one of the biggest tech and business hubs in the world. Because of our location, we get the opportunity to partner with internationally renowned corporations, such as PACCAR. Since the first Projects Day in 1988, PACCAR and its subsidiary Kenworth have sponsored over 60 projects resulting in over 10 patents for student led projects and hired many of these students directly to their company.

One of these projects was for an autonomous tractor-trailer coupling system that received three patents and has three pending patents in the US, five patents in Australia and one in the EU. Currently there are more than ten patents pending worldwide, including the EU, Canada, Mexico and Australia. The designs and prototypes for this project are currently being used by the Kenworth Research and Development team in order to create autonomously driven semi-trucks.



“The relationship that PACCAR has with Seattle University is not just a sponsorship of senior projects, it is a true partnership that allows for collaboration between students and industry professionals. The students gain real-world experience, and PACCAR gains competitive product offerings and, in many cases, extremely competent longtime employees.”

-Patrick Dean

Director, PACCAR Electronics



Master's Program

Further your education by applying to Seattle University's College of Science and Engineering's dynamic graduate programs that integrate real-world experience through the Project Center:

- Master of Science in Computer Science (MSCS) Software Engineering Specialization
- Master of Science in Data Science (MSDS)
- Master of Science in Artificial Intelligence (MSAI)

Through the Project Center, graduate students collaborate with leading local and global organizations on real-world projects, building practical experience and expanding professional networks. Recent master program graduates report an average salary of \$114,542 within one year of completing their degree (Class of 2024). Tech professionals with a master's degree earn 19% more on average than those with only a bachelor's (Payscale, 2023).

Sponsors include top companies such as Google, PACCAR and many others, giving you the opportunity to make an impact and showcase your skills to potential employers.

At the Project Center You Have the Opportunity to...

- Gain industry connections
- Build leadership and communication skills
- Solve real world problems
- Work alongside industry professionals
- Be creative in a collaborative environment
- Experience company and team culture
- Learn about topics not typically taught in undergraduate programs
- Participate in interdisciplinary projects
- Create lasting change in our community and around the world
- And much more!

WHAT
WILL YOU
ACHIEVE
AT THE
PROJECT
CENTER?

The Project Center provides Seattle University students with an unparalleled opportunity to apply classroom learning to real-world challenges. By collaborating with industry partners, students gain hands-on experience, build professional networks and develop the skills employers value most. This program bridges the gap between theory and practice, empowering students to make meaningful contributions while preparing for successful careers. Join us at the College of Science and Engineering. We can't wait to see what you'll achieve at the project center!

