



EDWARD . ITTS DEPARTMENT OF
INDUSTRIAL AND SYSTEMS ENGINEERING

NC STATE



INDUSTRY PARTNERS

Corporations. Government. Associations. Other Schools and Universities. Our department collaborates with dozens of organizations to advance the field of industrial and systems engineering with funded research. Some of the organizations are as close as NC State's Centennial Campus – our research and advanced technology community where university, industry and government partners interact. Some are down the block, across town, and in other parts of the state, country or world.

Interested? Contact us to learn how your company's project, challenge, or problem can benefit from the thoughts and actions of our faculty and/or students through research.

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facebook.com/NCStateISE



[@NCStateISE](https://twitter.com/NCStateISE)



[@ncstateise](https://www.instagram.com/ncstateise)

9 WAYS TO PARTNER WITH ISE

1 PHILANTHROPY AND SPONSORSHIP

Outside support through philanthropy and sponsorship allows us to enhance our programs. The ISE Enhancement Fund addresses one of the department's greatest needs, discretionary support. For more information, contact **Mike Walsh** | mpwalsh2@ncsu.edu | 919.515.7237.

2 PROJECT OPPORTUNITIES

ISE's Senior Design course is a chance to work with students who can analyze your proposal and provide valuable solutions.

For more information, contact **Kanton Reynolds** | ktreyno2@ncsu.edu | 919.515.0605.

3 PRESENTATIONS AND LEARNING OPPORTUNITIES IN THE CLASSROOM

You can interact with ISE students through class presentations, panels and lectures. This allows you to engage students in real-world problems and solutions. For more information, contact **Julie Swann** | jlswann@ncsu.edu | 919.515.6423.

4 SUMMER CAMP OPPORTUNITIES

You can interact with future ISE students through class presentations and hand-on exercises. This is a great way to expose students to what it's like to be an industrial engineer. For more information, contact **Jason Low** | jclow@ncsu.edu | 919.515.1424

5 TOURS OF INDUSTRIAL FACILITIES

Have students tour your industrial facilities. This is a great opportunity for students to see principles taught in the classroom getting put into action.

For more information, contact **Rohan Shirwaiker** | rashirwa@ncsu.edu | 919.515.6414.

6 CO-OPS AND INTERSHIPS

Co-ops and internships allow you to work with some of the nation's top students. They give you the opportunity to test a student's effectiveness and potential as a future employee. Students also benefit by gaining valuable work experience. For more information, contact **Julie Swann** | jlswann@ncsu.edu | 919.515.6423

7 RECRUITING

Interested in our students? We encourage you to send job/announcements to the department. You can also post right on our social media channels: Facebook, Twitter, LinkedIn, etc. For more information, contact **Julie Swann** | jlswann@ncsu.edu | 919.515.6423.

8 CAREER FAIRS

Take part in one of NC State's Engineering Career Fairs. This is a great way to enhance your company's visibility to future job candidates in ISE. To register go to <https://www.engr.ncsu.edu/careerfair/employers/> or contact **Brian Koehler** | engineering@ncsu.edu | 919.515.3263.

9 INDUSTRY RESEARCH OPPORTUNITIES

ISE's faculty and students work with corporations and governmental agencies to perform in-context research. This research broadens knowledge and creates new methodologies. For more information, contact **Julie Swann** | jlswann@ncsu.edu | 919.515.6423.

ALUMNI-STUDENT ENGAGEMENT PROGRAM

The Edward P. Fitts Department of Industrial and Systems Engineering at NC State is one of the top-ranked engineering programs in the country. We produce engineers who offer a combination of cutting edge ingenuity, interpersonal skills, and business acumen.

The mission of our **Alumni-Student Engagement Program** is to enhance the personal and professional development of our students by building long-lasting relationships with our alumni and industry partners.

At the same time, our alumni and partners will:

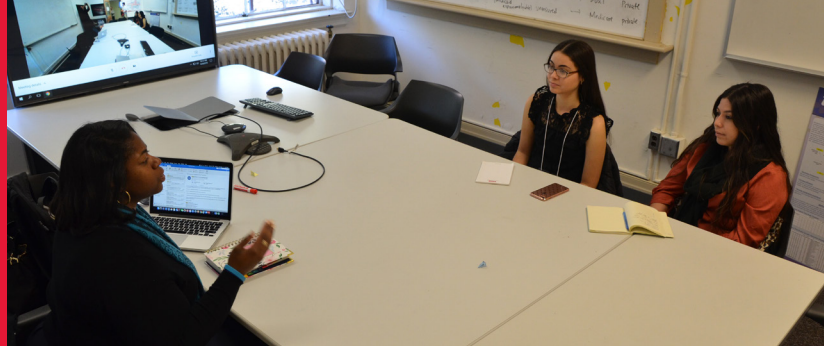
- Build long-lasting relationships with our students
- Create an employee pipeline for their businesses
- Increase their connectivity with our department



"It was fun. Very informal. We just chatted about internships and job search. I offered to be as involved with them as they wanted."

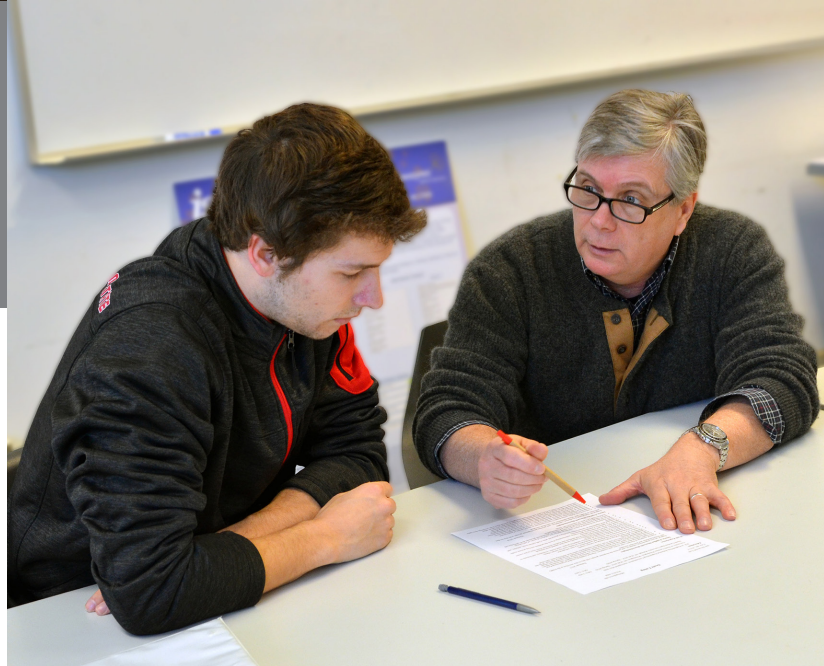
READY TO GET STARTED?

go.ncsu.edu/alumnistudent



HOW IT WORKS

- We encourage you, our ISE alumni and industry partners, to engage in many different ways with our students.
- Sophomores, juniors, seniors and graduate students are eligible to take part in the program.
- **Let's do Lunch?** Each semester, you can treat up to four students to a 90-minute lunch near campus.
- Help graduating students by participating in one-on-one resume reviews. Our students appreciate getting specific, individual attention and feedback.
- Prepare students for internships, co-ops, and full-time employment by running them through mock interviews.
- The private ISE Alumni and Student LinkedIn Group is available for more communication.



Becoming a senior design sponsor is rewarding for both you and the student team. A sponsorship is an opportunity to work with students who can analyze your proposal and provide a winning solution.

Throughout the semester students communicate with presentations, reports, and emails or conference calls. You're also a stakeholder who has input in the student team's evaluation.

BECOME A SENIOR DESIGN SPONSOR



Our process to submit your proposed projects is straightforward and simple. We have provided guidelines to help you understand what to expect from your student team as well as what we want to see from you, our sponsor. We look forward to working with you soon. To view our project submission form, go to:

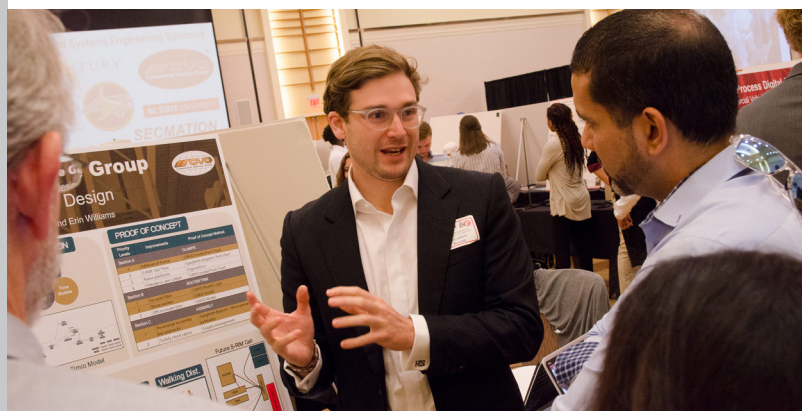
go.ncsu.edu/projectsponsorform

READY TO GET STARTED?

Kanton Reynolds | Director of Undergrad Programs

919.515.0605

ktreyno2@ncsu.edu



CORPORATE PARTNERS PROGRAM

BENEFITS OF THE PROGRAM

WHY PARTNER WITH ISE?

The Edward P. Fitts Department of Industrial and Systems Engineering at NC State is one of the top-ranked engineering programs in the country. We produce engineers who offer a combination of cutting edge ingenuity, interpersonal skills and business acumen.

The mission of our **ISE Corporate Partners Program** is to:

- Develop and sustain strong connections between the department and the business community
- Build strong collaborations between students, faculty and corporate partners
- Shape department's future direction

The unrestricted funding generated by the program allows us to improve our educational programs and student experiences.



READY TO GET STARTED?

Mike Walsh | Interim Executive Director of Major Gifts
919.515.7237
mpwalsh2@ncsu.edu

BRONZE SPONSORSHIP - \$500

- Invitations to student events and activities
- Opportunities to give technical or professional development talks to student organization
- Facilitated access to student organizations
- Website presence including your company logo, links and profile
- Your logo posted on the ISE Corporate Partners Banner in Daniels Hall

SILVER SPONSORSHIP - \$1,000

All benefits of Bronze Sponsorship, **plus:**

- Your company information featured on two posters throughout Daniels Hall and displayed on all digital monitors
- Assistance in organizing campus visits

GOLD SPONSORSHIP - \$2,500

All benefits of Silver Sponsorship, **plus:**

- Opportunities to send targeted email blasts to students with your company information and announcements
- Eligible to submit a senior design project concept

PLATINUM SPONSORSHIP - \$5,000

All benefits of Gold Sponsorship, **plus:**

- Named sponsor of either our (1) Professional communications training or (2) Our lean six sigma training and certification

THE EDWARD P. FITTS DEPARTMENT OF INDUSTRIAL AND SYSTEMS ENGINEERING

NC State ISE is one of only five named ISE departments in the United States and ranks among the top 15 programs in the country according to U.S. News and World Report.

The department currently has a rich and diverse research portfolio in:

- Advanced and Biomedical Manufacturing
- Health Systems
- Human-Systems
- Production Systems and Logistics
- Systems Analytics and Optimization

NC State ISE also supports two other academic programs:

- Operations Research
- Integrated Manufacturing Systems Engineering

NC State ISE has strong connections with other departments, other universities, medical schools, and other external partners. It houses two state-funded centers:

The Ergonomics Center of North Carolina which is the only center of its kind at a U.S. public research institution.

The Center for Additive Manufacturing and Logistics which is one of the most advanced manufacturing and 3D printing laboratories in the country.

VISION

To become and be perceived as one of the preeminent ISE departments in the world. This will be achieved through image, research, education/ alumni/outreach/students, economic development, collaborations/partnerships, infrastructure/culture/ staff/faculty.

MISSION

The mission of the Edward P. Fitts Department of Industrial and Systems Engineering is to provide a premier educational experience for our students and a world-class environment for our faculty. We want to give them the opportunity to convert ideas to reality and enhance the economic development and quality of life of the citizens of North Carolina, our nation, and humankind.

OBJECTIVES

- Recruit, develop, and cherish the highest quality faculty
- Recruit high-quality students and support them through scholarships, fellowships, and funded research
- Provide our students with an academic environment that prepares them to be global leaders
- Conduct interdisciplinary research with global impact and partner with industry, government, and leading educational institutions
- Provide outstanding service to industry, government, academic professions, and our alumni
- Promote the accomplishments of our faculty, staff, and students, while as well as publicizing departmental projects, centers, and major research findings

FACULTY AWARDS

- 36** Fellows of Professional Associations
- 3** Gilberth Industrial Engineering Awards
- 8** NSF CAREER Awards
- 1** NAE Member