IOWA STATE UNIVERSITY
College of Engineering

Engineering

Career Services

Why Engineering Career Services?

"You're not just preparing to get a degree; you're preparing to be a future engineer"

Our Goal:

Provide resources and opportunities to help engineering students develop professional skills and obtain post-graduate employment or acceptance to graduate school upon graduation.

Services Provided

- Career Development
  - Presentations
  - Individual Career Advising
  - Online Educational Materials
  - CyHire
- Employer Engagement
  - On-Campus Interviews
  - Experiential Education
  - Employer Relations
  - Career Fest
  - Career Fairs

Staff focused solely on engineering students & alumni

All Services Provided at No Cost

Engineering Career Fairs

Fall 2023

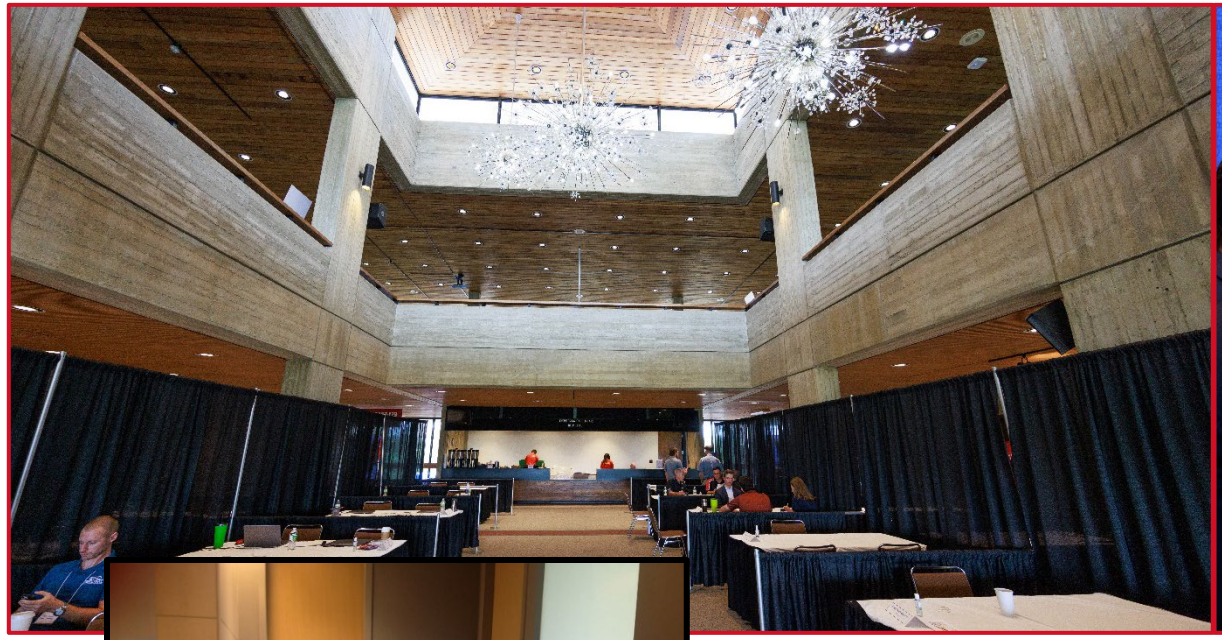
September 13th and 19th

Spring 2024

February 6th

On-Campus Interviews

Thousands of on-campus interviews conducted each year!



Mass Interview Days

Private Rooms in Marston Hall

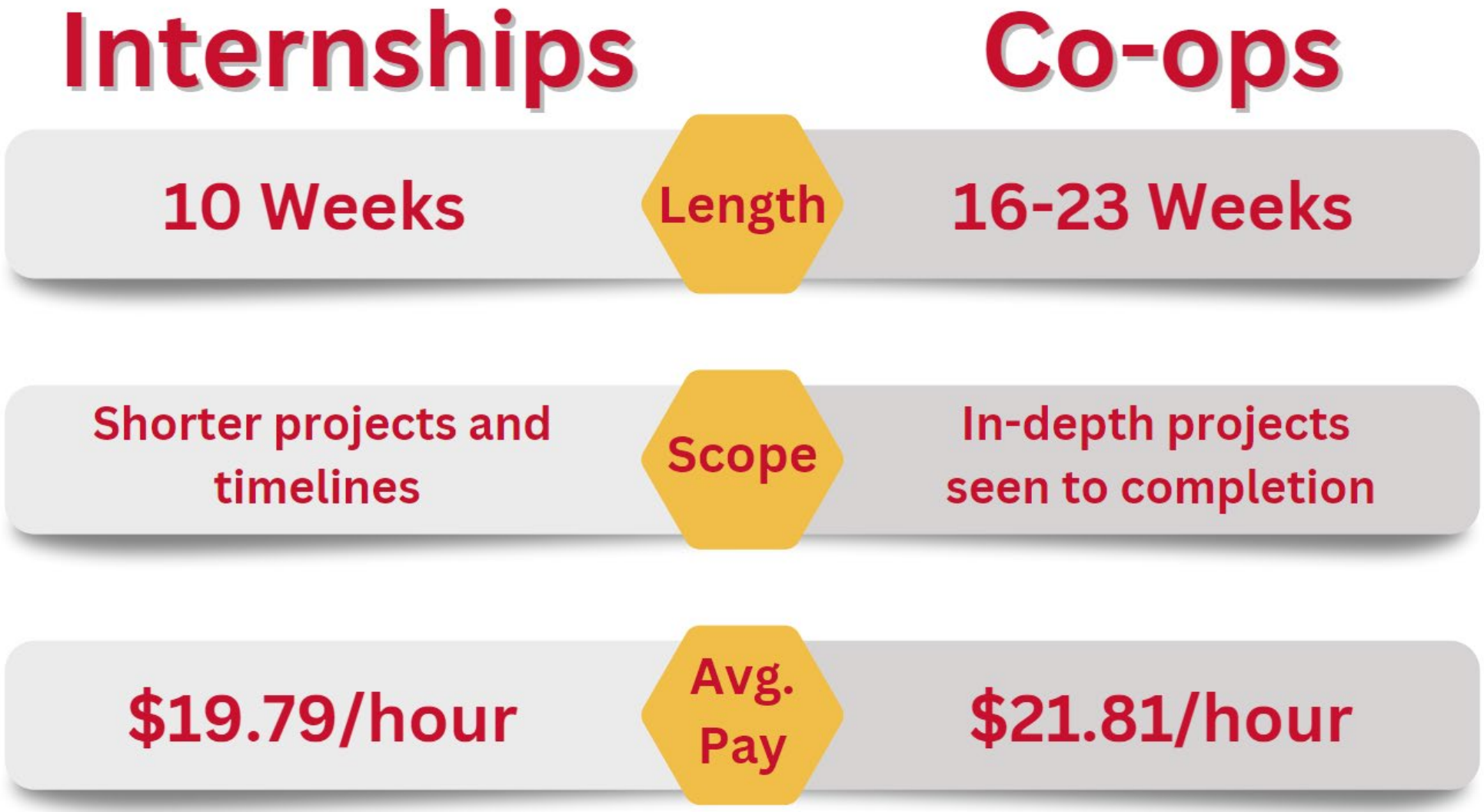
Semester Co-ops and Summer Internships

Learning outside of the traditional classroom environment by completing REAL engineering work

An opportunity to:

- Connect classroom theory to workplace practice
- Build professional skills and habits
- Get paid an average of $20.14/hr

* Maintain full-time student status, no tuition or fees to participate



Pursue the experiences that are the best fit for you!

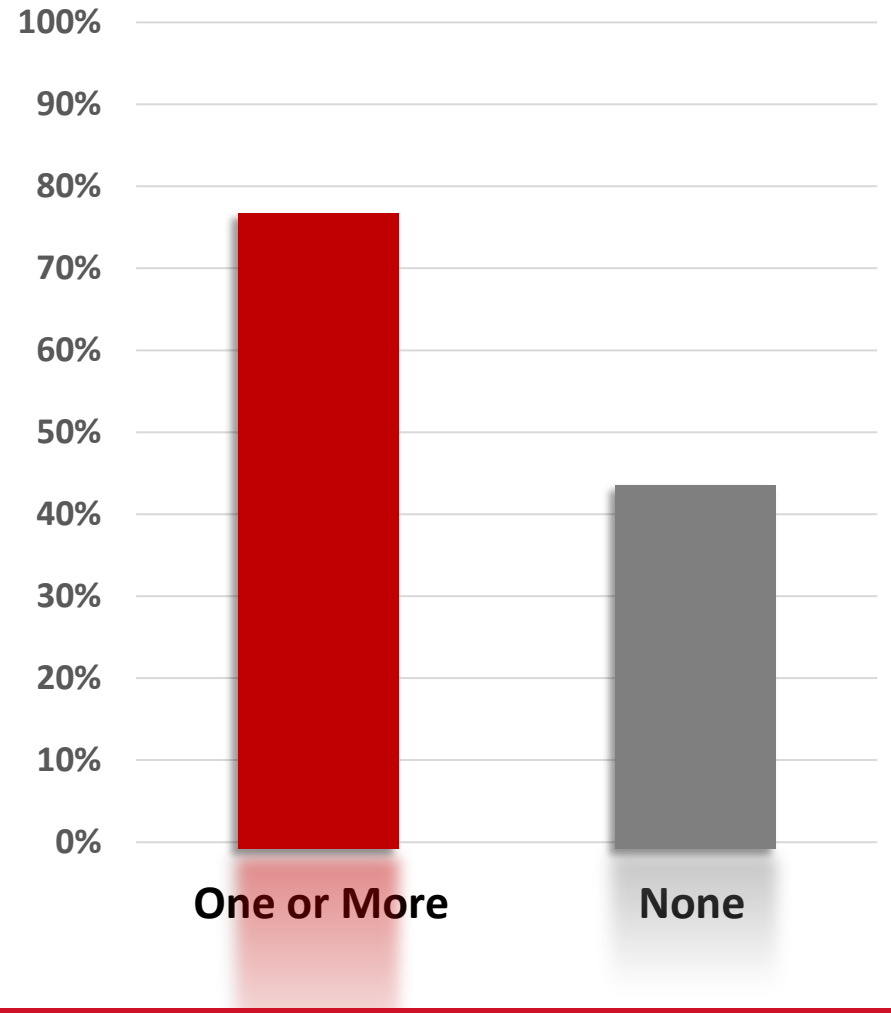
Does Experiential Education Matter?

Graduates Reporting Placement at Graduation:

One or More Experiences: 78%

No Experiences: 44%

At six months post graduation, **95%** of engineering graduates have accepted employment or made plans to attend graduate school.



3M
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John Deere
IBM
CAT
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JE Dunn Construction
Boeing
P&G
Procter&Gamble
General Mills
KENT
Collins Aerospace
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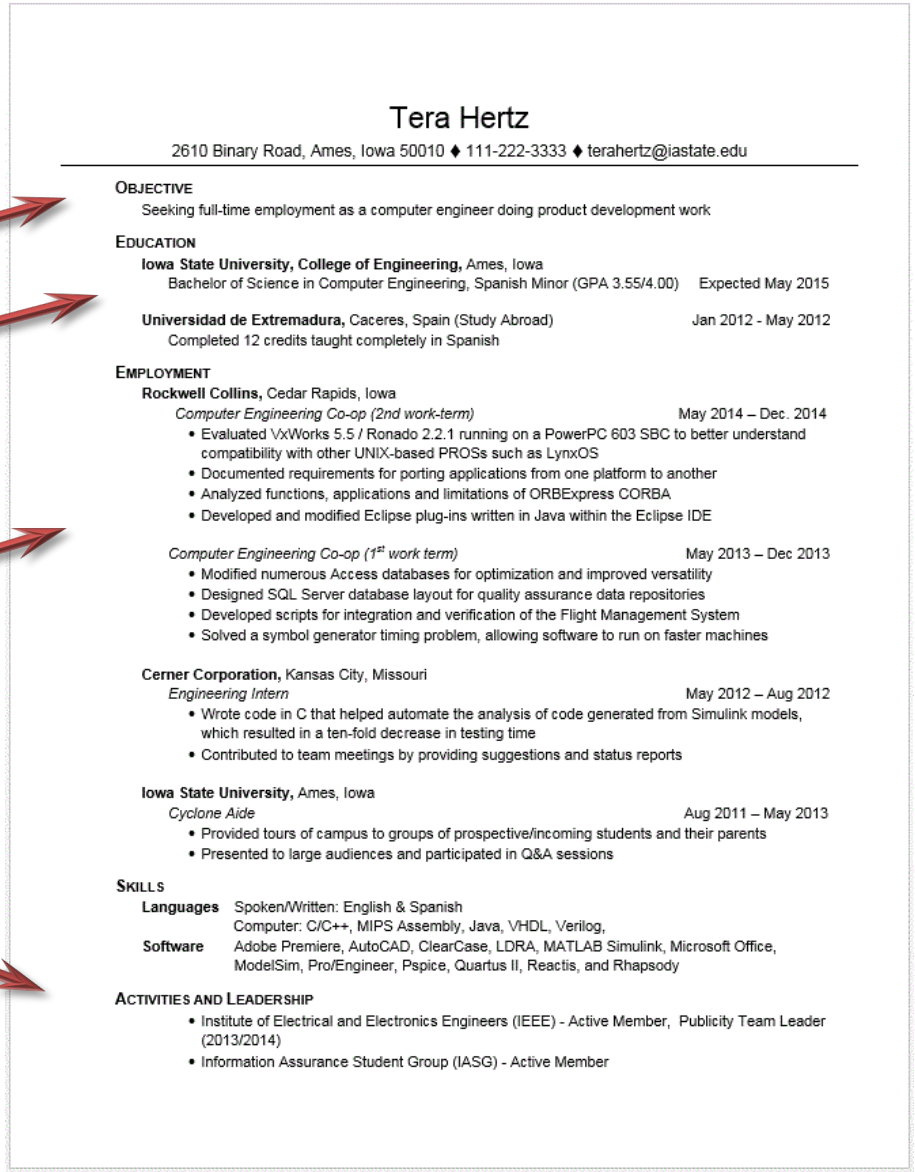
HNI
Hormel Foods
CNH Industrial
Altec
1,400 Employers Recruit
ISU Engineers Each Year
Emerson Process Management
Danfoss
Pella
Spirit AeroSystems
Garmin
RSM
Principal
NASA
MidAmerican Energy
Siemens
Turner
Kinze
PepsiCo
Trane
USDA
US Army Corps of Engineers
Iowa DOT
Ag Leader
Honeywell
Corteva agriscience
Texas Instruments
Thomson Reuters
GE
Lennox
Lockheed Martin

What employers look for in students…

- Matching interests
- Education & GPA
- Engineering & other skill-building experiences
  - Internships/Co-ops
  - Jobs
  - Clubs and Orgs
  - Leadership
  - Academic Projects
  - Research



Tera Hertz

2610 Binary Road, Ames, Iowa 50010 ♦ 111-222-3333 ♦ terahertz@iastate.edu

OBJECTIVE

Seeking full-time employment as a computer engineer doing product development work

EDUCATION

Iowa State University, College of Engineering, Ames, Iowa
Bachelor of Science in Computer Engineering, Spanish Minor (GPA 3.55/4.00) Expected May 2015

Universidad de Extremadura, Caceres, Spain (Study Abroad) Jan 2012 - May 2012
Completed 12 credits taught completely in Spanish

EMPLOYMENT

Rockwell Collins, Cedar Rapids, Iowa
Computer Engineering Co-op (2nd work-term) May 2014 – Dec. 2014
- Evaluated VxWorks 5.5 / Ronado 2.2.1 running on a PowerPC 603 SBC to better understand compatibility with other UNIX-based PROSs such as LynxOS
- Documented requirements for porting applications from one platform to another
- Analyzed functions, applications and limitations of ORBExpress CORBA
- Developed and modified Eclipse plug-ins written in Java within the Eclipse IDE

Computer Engineering Co-op (1st work term) May 2013 – Dec 2013
- Modified numerous Access databases for optimization and improved versatility
- Designed SQL Server database layout for quality assurance data repositories
- Developed scripts for integration and verification of the Flight Management System
- Solved a symbol generator timing problem, allowing software to run on faster machines

Cerner Corporation, Kansas City, Missouri
Engineering Intern May 2012 – Aug 2012
- Wrote code in C that helped automate the analysis of code generated from Simulink models, which resulted in a ten-fold decrease in testing time
- Contributed to team meetings by providing suggestions and status reports

Iowa State University, Ames, Iowa
Cyclone Aide Aug 2011 – May 2013
- Provided tours of campus to groups of prospective/incoming students and their parents
- Presented to large audiences and participated in Q&A sessions

SKILLS

Languages Spoken/Written: English & Spanish
Computer: C/C++, MIPS Assembly, Java, VHDL, Verilog,
Software Adobe Premiere, AutoCAD, ClearCase, LDRA, MATLAB Simulink, Microsoft Office, ModelSim, Pro/Engineer, Pspice, Quartus II, Reactis, and Rhapsody

ACTIVITIES AND LEADERSHIP

- Institute of Electrical and Electronics Engineers (IEEE) - Active Member, Publicity Team Leader (2013/2014)
- Information Assurance Student Group (IASG) - Active Member

Four-Year Career Plan

Freshman

- ❑ Learn about ECS Resources
- ❑ Join a Student Organization
- ❑ Attend ECS Resume Reviews and workshops

Sophomore

- ❑ Review ECS Career Resources
- ❑ Seek leadership positions in clubs
- ❑ Participate in Internships or Co-ops

Junior

- ❑ Seek leadership positions in clubs
- ❑ Participate in Internships or Co-ops
- ❑ Research graduate school (if applicable)

Senior

- ❑ Solidify technical skills in coursework and projects
- ❑ Apply to graduate school or post-graduation positions
- ❑ Report successful career outcomes to ECS!

- Meet with an ECS Advisor to set a plan and track your progress
- Update your resume and network with employers
- Build your technical and professional skills

The Best Time to Connect with Employers is While a Student!

- On-line Job Board (CyHire)
- Career Fairs
- Employer Information Events
- Networking Events
- On-Campus Interviews
- On-Site Interviews
- Career Fest

Participation leads to job offers!

Summary: By the Numbers

$71,966	Average starting salary for 2021-2022 (BS degree)
2,000+	Engineering on-campus interviews/year
1776	Students participated in a co-op or internship experience for 2021-2022
97%	In-profession outcomes (six months post-grad 2021-2022 BS Degree)
76%	BS graduates who have professional experience (co-ops/internships)
$20.14	Average hourly rate for co-ops/interns for 2021-2022
7	Full-time staff to help with your career
3	Career fairs each year among the largest in the nation
$0	Cost for comprehensive career services at ISU