


**ANNA JOCHIM**  
ELECTRI INTERNATIONAL

# FUTURE WORKFORCE DEVELOPMENT

*MOVING THE INDUSTRY **FWD.***

# ELECTRI*i* INTERNATIONAL

Research and Education for the Electrical Construction Industry

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# CONNECTING WITH THE NEXT GEN OF PROFESSIONALS

## **Presentations & Workshops**

Guest speaking,  
hands-on activities

## **Partnerships & Career Programs**

Sponsor local programs,  
participate in career days

## **Collaborate with Organizations & Clubs**

STEM clubs, scouts,  
summer camps

## **Host Events**

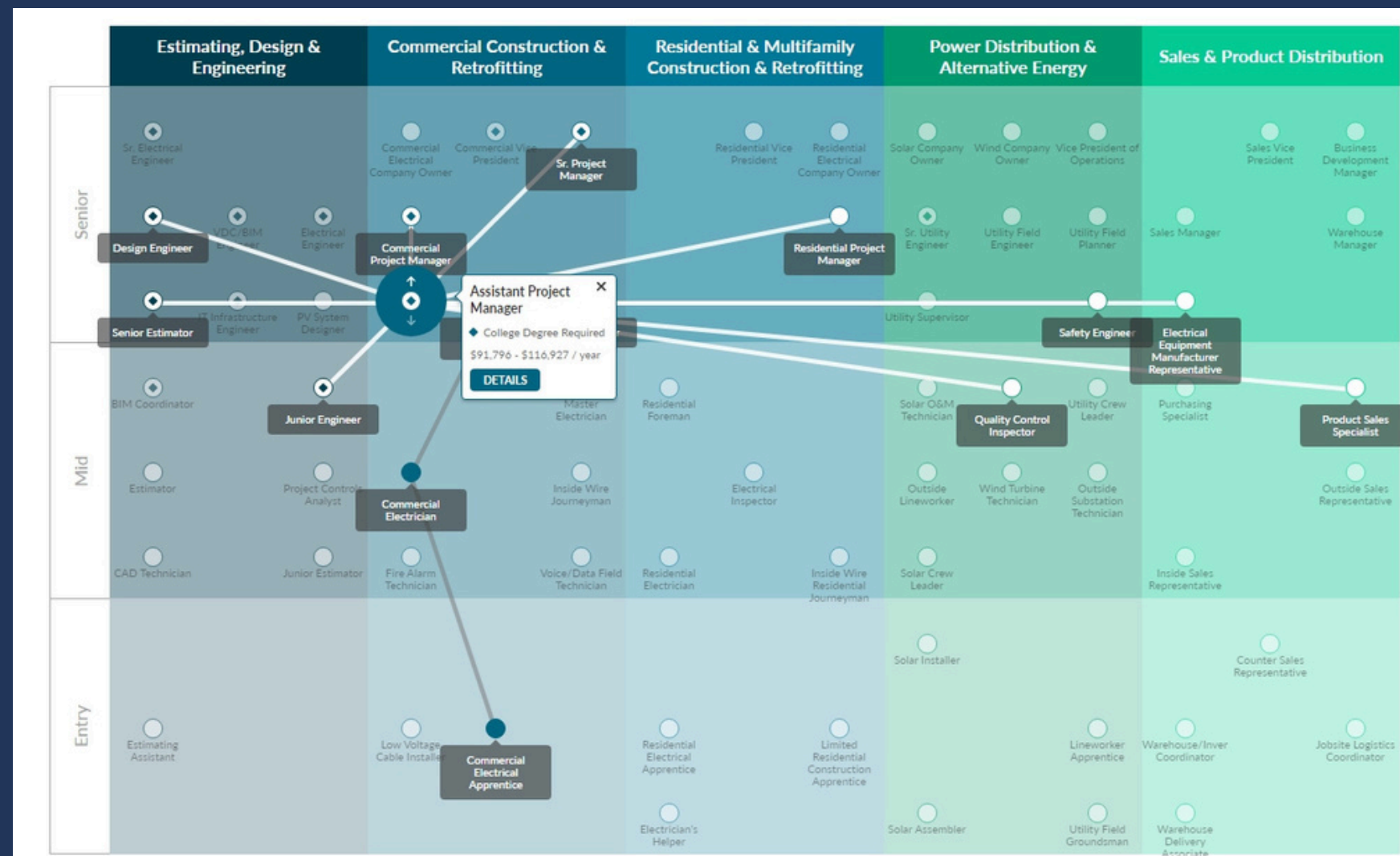
Open houses,  
field trips,  
networking events

## **Create Resources**

Highlight videos,  
educational activities



# ELECTRICAL CONSTRUCTION INTERACTIVE CAREER MAP



Explore Exciting Jobs

Understand Career Pathways

Detailed Job Insights

Plan Your Future



# EC CAREER MAP



## **Exciting Jobs**

Discover 70+ dynamic, mission-critical roles in the electrical construction industry.



## **Career Pathways**

Explore numerous career pathways from entry-level to senior roles.



## **Job Insights**

Click any job for detailed information on roles and requirements.



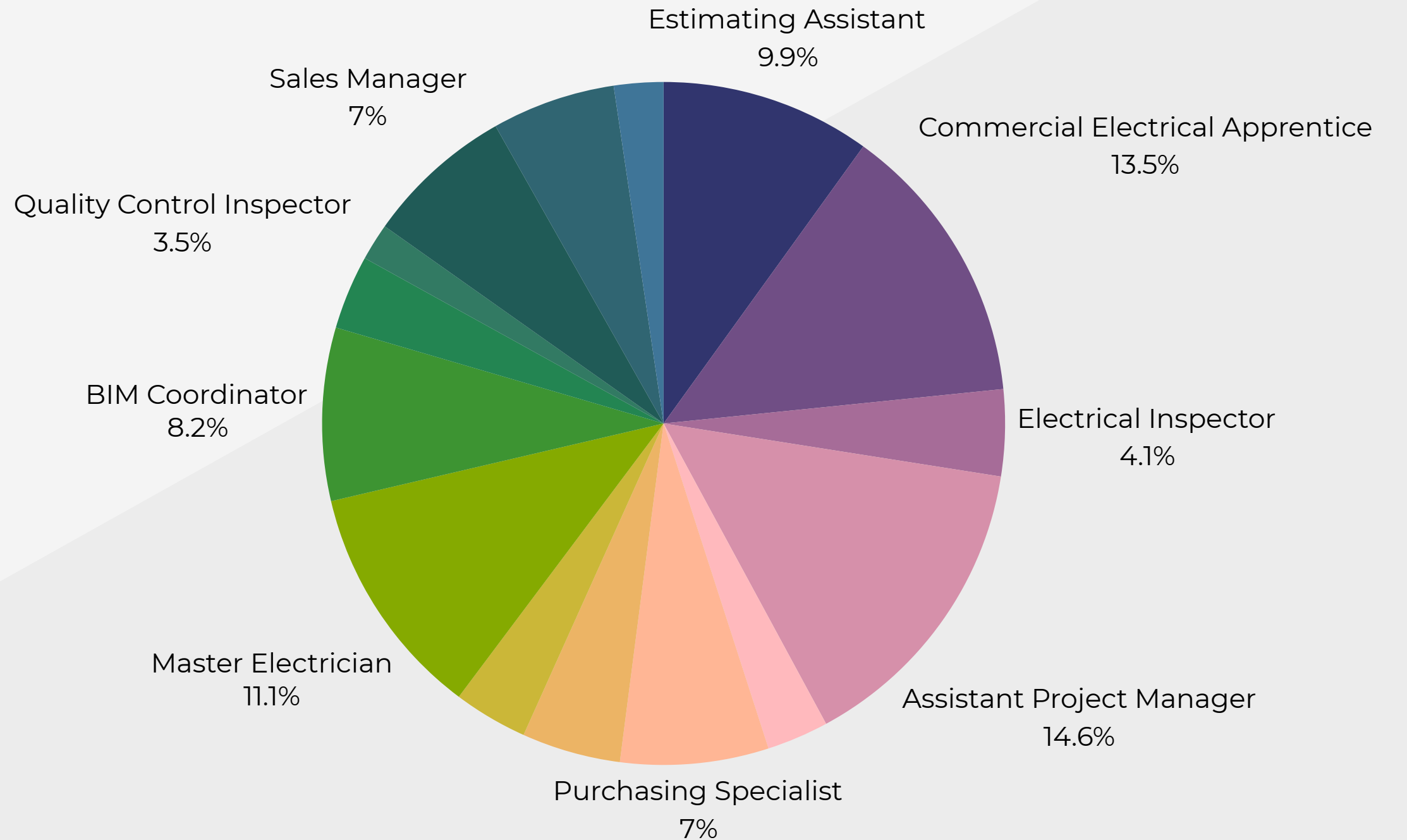
## **Plan Your Future**

Build and visualize career pathways to map your long-term career and earnings potential.



# EC CAREER MAP DATA

- User locations
- Average Engagement Time
- Browsers & Devices
- Job hovers
- Job clicks



*This is a sample of data that can be recorded.  
This is not real data.*

# NECA STUDENT CHAPTERS

## Beyond the Classroom

NECA Student Chapters provide meaningful, practical professional development opportunities for students to explore and prepare for careers in the electrical construction industry.

### Engagement

Attend industry events to gain **Beyond the Classroom** experiences

### Connection

Establish industry connections that support student and contractor relationship building and career development

### Continued Growth

Gain hands-on experience through industry internships, co-ops, and full-time roles with NECA contractors



## NECA Student Chapter Best Practices Toolkit

Designed to support chapters in all aspects of development and growth.

- Leadership Model
- Meetings & Events
- Recommended Events & Activities
- Chapter Engagement
- Community Outreach & Volunteering
- Fundraising
- Internship Resources
- Awards & Scholarships
- Supporting Chapter Documents



## Internship Toolkit

Designed to support contractors through the full lifecycle of an internship program.

- Quick Guide
- Things to Consider
- Developing an Internship Program
- Managing an Internship Program
- After the Internship Program
- Sample Documents

# ELECTRICAL CONTRACTING INNOVATION CHALLENGE

ECIC allows university students and faculty to showcase their knowledge and creativity in designing innovative virtual electrical systems. This annual event fosters meaningful interactions between students, their community, and NECA member companies.

## Team Collaboration

- Work with local NECA chapters and contractors on project tasks.
- Conduct interviews and office meetings to understand real-world project parameters and methods.

## Project Execution

- Perform tasks related to the layout and coordination of electrical systems using industry-standard software.
- Create a BIM execution plan, work assignment log, prefabrication plan, installation drawings, and more.

# PROJECT THEMES

**Design-Bid-Build**

**Construction  
Technology**

**Most Innovative  
Electrical System**

**Change Orders**



# JOIN US IN SAN DIEGO

## **Student Summit Panel**

### ***What Are You Looking for in Your Next Position?***

Sunday, September 30 | 12:20-12:55 PM

- Evolving expectations of job seekers & employers
- Aligning career goals with market opportunities
- In-demand skills and traits
- Standing out in a crowded job market
- Attracting and retaining top talent



# STUDENT SCHEDULE

<b>SAT. 9.28   1:30-3:30 PM</b>	<b>ECIC Finalist Presentations</b>
<b>SAT. 9.28   3:30-5 PM</b>	<b>Meet &amp; Greet Reception   Student &amp; Contractor Networking</b> Please join us for student and contractor networking while enjoying light hors d'oeuvres.
<b>SUN. 9.29   10-11:30 AM</b>	<b>Opening General Session (Including ECIC Awards)</b>
<b>SUN. 9.29   11:30 AM-3 PM</b>	<b>Student Summit</b> <b>11:30 AM-12:15 PM</b> Lunch & Individual ECIC Awards <b>12:20-12:55 PM</b> What Are You Looking for in Your Next Position? <b>1:00-2:00 PM</b> Mini Competition   Interactive Activity <b>2:05-3:00 PM</b> Best Practices for Building Your Student Chapter
<b>SUN 9.29   6-8 PM</b>	<b>Student Reception at Swing Social</b>



# NECA/ELECTRI PROJECT MANAGEMENT APPRENTICESHIP

1 Year | Competency-Based

## Related Technical Instruction

- Industry Education & Training
- PMI/CAPM
- 21st Century Skills
- Professional Development & Office Skills



# TECHNICAL INSTRUCTION

## Electrical Industry Best Practice

- Electrical Project Management
- ETA Industry Knowledge



## Employer Tools & Processes

- Finance
- Estimating
- Contracting



## Project Management Best Practice / CAPM

- PMI Industry Certificate
- PM Methodologies
- Career Essentials



## 21st Century Productivity Skills

- Spreadsheets
- Data Visualization
- AI in Business



## Professional Development Office Skills

- Communication
- Presentation
- Time management



# ON-THE-JOB TRAINING



## **Project Planning and Strategy**

- Determine requirements, develop plans, and define operating strategies for projects.

## **Resource Management**

- Complete project estimates, identify vendors, recruit personnel, and assign duties.

## **Stakeholder Collaboration**

- Collaborate with stakeholders and suppliers for resources and materials, and facilitate project meetings.

## **Monitoring and Reporting**

- Monitor milestones, costs, and budgets; prepare and submit reports; maintain records and distribute documents.

## **Issue Resolution and Quality Assurance**

- Resolve personnel issues, ensure deliverable quality, and manage overall project status, budget, and customer satisfaction.



# PILOT COHORTS

	Cohort 1	Cohort 2	Cohort 3
	9.23.24	10.21.24	1.6.25
	10 Apprentices	10 Apprentices	20 Apprentices

**GOAL**  
150-200 APPRENTICES IN 2025

# SPECIAL LINKS

- [Electrical Construction Interactive Career Map](#)
- [NECA Student Chapter Toolkit](#)
- [Internship Toolkit](#)
- [ECIC Competition](#)
- [2024 NECA Convention | Student Program](#)
- [NECA/ELECTRI Project Management Apprenticeship](#)





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# THANK YOU



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