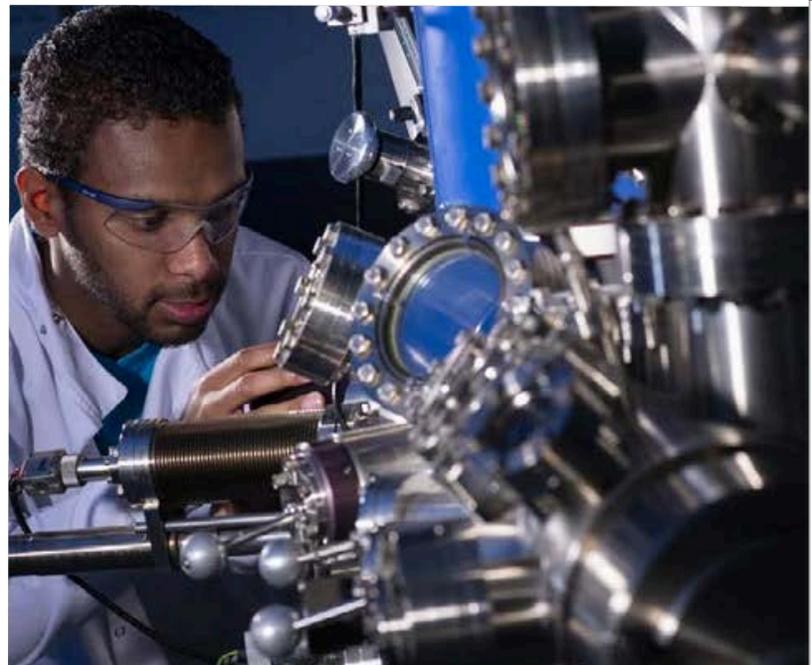
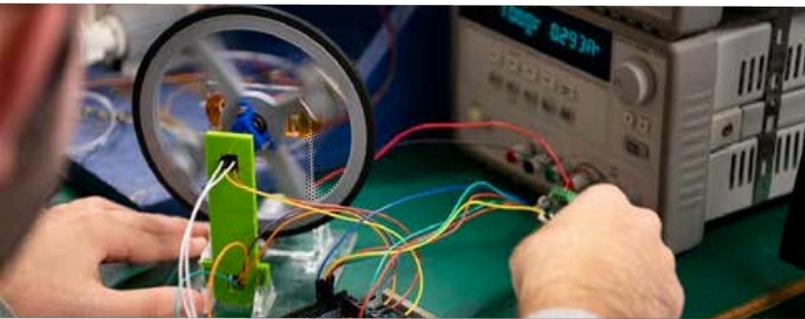
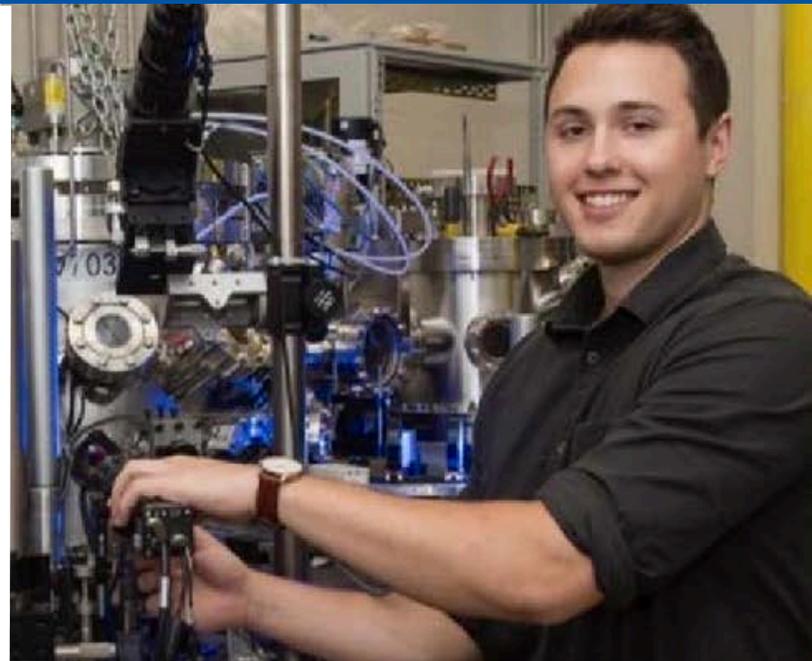




CCEP

Community College
Engineering Pathways



1880

ASME established

72,000+

ASME members

130+

Countries with
ASME members

10,000+

Individuals
trained annually

20+

Conferences
conducted yearly

150+

Technical courses and
seminars conducted
annually

\$400,000+

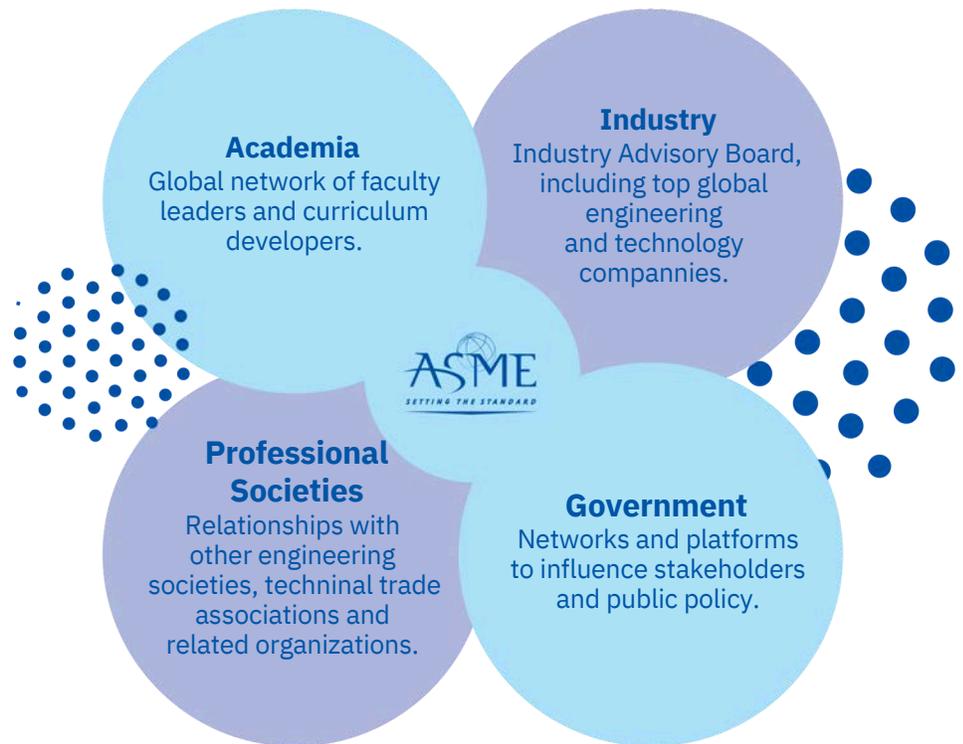
Scholarship funds
awarded annually

For more information
about ASME,
visit asme.org.

About ASME

The recognized leader and go-to organization in advancing the field of engineering.

ASME operates at the intersection of Academia, Industry, and Government. Our focus on multidisciplinary engineering also makes us a natural bridge to the other engineering and technology disciplines.



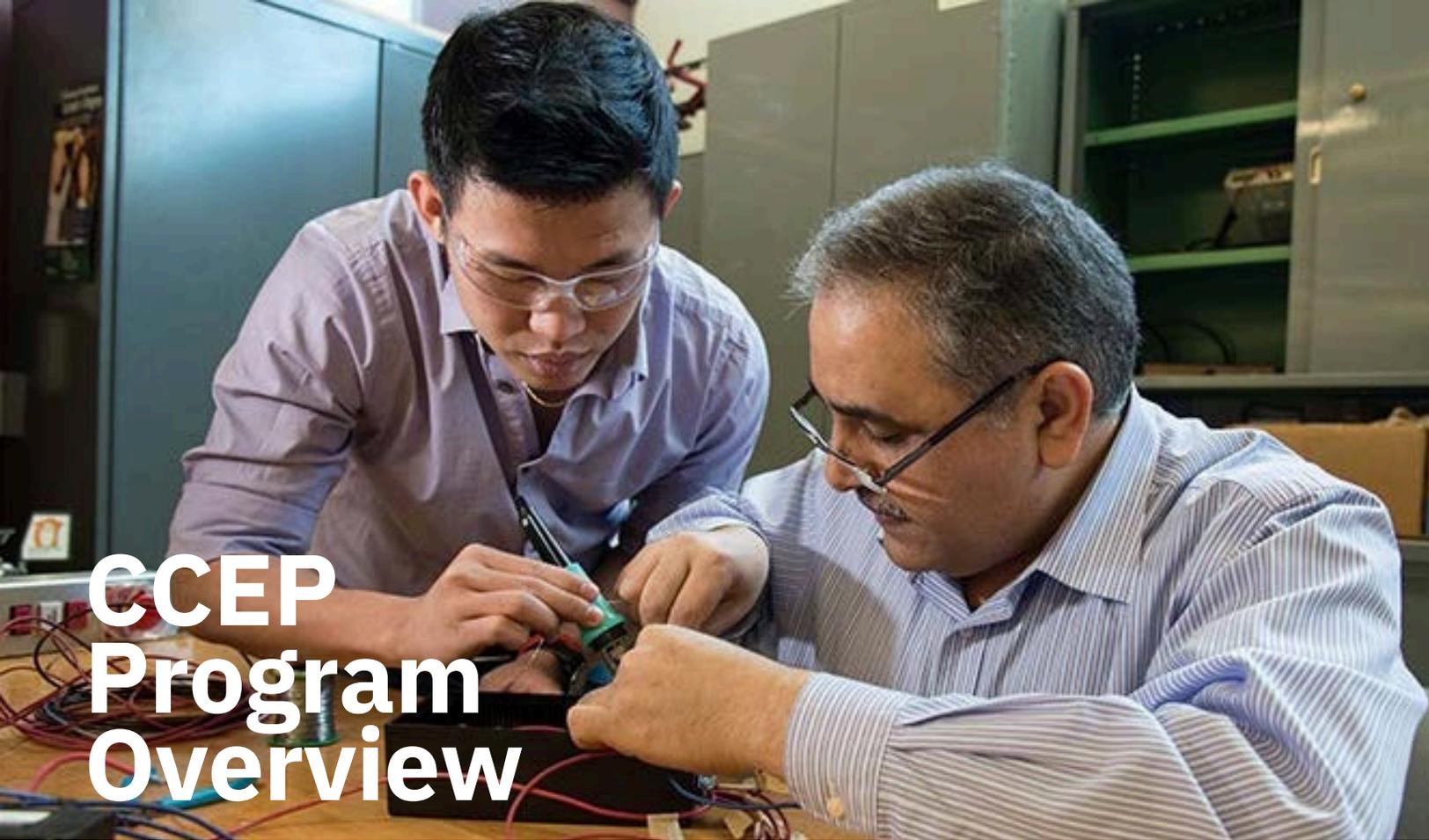
ASME's Unique Role

- Convene all key stakeholders: academic, industry, government
- Lead conversation on curriculum development
- Faculty training
- Student mentoring
- Networking among all stakeholders, including students

“Professional and trade organizations offer development and connections with others in your field and enhance your business profile. Having an industry association on your resume says you are very committed to your profession and actively participating in its advancement.”

— AICPA

ASME cultivates collaboration, knowledge sharing, and skill development across all engineering disciplines, while promoting **the vital role of the engineer in society.**



CCEP Program Overview

Community College Engineering Pathways

- ASME’s Groundbreaking initiative was developed to engage, equip, and empower the next generation of STEM professionals by fostering inclusivity and mobility from classroom to career for students at two-year institutions.
- The multi-channel program creates awareness and opportunities for students interested in pursuing engineering and related technical professions.
- Cultivates inclusivity and belonging in engineering and technical-related fields.
- Contributes to the local workforce development efforts.
- Exposes students to a professional organization to help build community & illuminate students’ career pathways.
- Free ASME membership for students while they are enrolled at their two-year college.



BENEFITS FOR COLLEGES

- Industry connections
- Access new networks
- Enhance resources



BENEFITS FOR FACULTY

- Professional development
- Curriculum resources
- Industry connections
- Student support resources
- Expanded networking



BENEFITS FOR STUDENTS

- Career readiness workshops
- Scholarships
- Hands-on competitions
- Technical skills development
- Sense of community
- Industry connections

Workshops & Career Webinars

ASME's live virtual workshops engage students through practical, hands-on experiences. A wide variety of free on-demand career-readiness webisodes are available on the ASME website.

- Workshops and trainings offered virtually and in-person
- LIVE Monthly Virtual Workshops on Career Readiness, Professional Development, and Technical Skills
- Training programs with industry-recognized certifications, such as
- CAD and Project Management
- Workshops and trainings conducted by subject-matter experts from ASME's company partnerships
- Industry professionals offer exposure and new perspectives for students looking to enter the engineering field
- Access to ASME free on-demand career webinars and training courses
- Faculty can incorporate workshops and webinars into the curriculum

More than 150

workshops, seminars, and training sessions are offered annually across ASME's membership platform.

For more information about ASME, visit [asme.org](https://www.asme.org).



Workshops have been a very helpful and beneficial resource. The various workshops I attended focused on professional development, cover letters, resumes, and similar topics. They made me aware of the elements needed for obtaining a professional career.

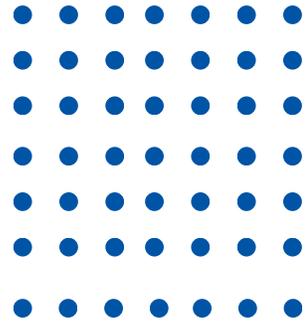
LETICIA DONKOR

Mechanical Engineering
Graduate
New York City
College of
Technology



EMPOWER Program

Engineering Mentorship & Project-Oriented Work Experience Resource



A training program to prepare community, state, and technical college students for an engineering work experience

EMPOWER Program

- A 12-week boot camp-style summer program provides community college students with opportunities for experiential learning through workshops and projects.
- Provide real-world engineering experiences through hands-on, project-based learning.
- Prepare future scholars and innovators for careers in engineering and engineering technology.
- Allow students to apply theoretical knowledge to industry-related projects.



Experiential Learning

- Complements a student's education with real-world, practical application and is extremely valuable to understand how engineering theories are applied in the field.
- Acquire practical skills through real-world projects
- Gain knowledge and skills required within the engineering field.
- Opportunity to network with peers at two-year colleges across the nation
- Build confidence and a sense of belonging.

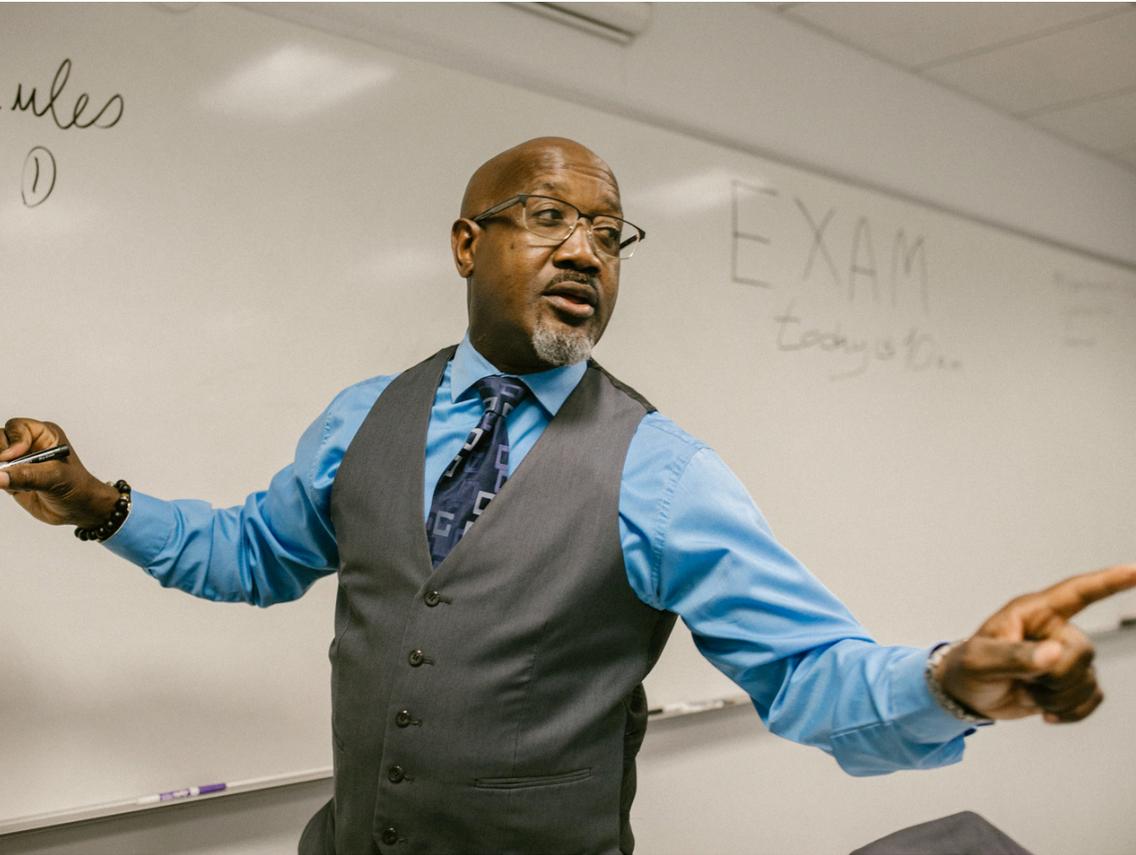
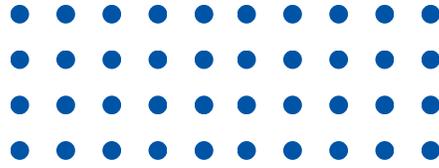


ASME's EMPOWER program laid the foundation for my engineering journey and sparked a strong passion for CAD. It exposed me to mentors, hands-on tools, and a supportive community that encouraged me to take the initiative.

JESUTOFUNMI "JT" AKERELE

Sophomore
Prince George's Community College

Faculty Curriculum



ASME provides programming for post-secondary students, faculty access to curriculum and tools to enhance their instruction, help align curriculum with rapidly changing technology, and build institutional resources for career development for both students and faculty.

Faculty Resources – supplemental resources with implementation guide to enhance current curriculum

Day in Life Webcasts – unique opportunity to learn what a typical day is like for a Mechanical Engineer

TEC Talk Webcasts – monthly webinar series featuring leading experts addressing topical issues, challenges, and new technologies within the various specialty areas of ASME Divisions

Check out some of our faculty resources for insight in the profession, the industry's impact on the world and the future ahead at asme.org.

Faculty Professional Development – webinars, podcasts, continuing education courses, and conferences designed to advance knowledge and skills in the changing technical field.

ASME's CCEP program helped address some student challenges as many are first generation college students who do not typically have access to mentors or professionals to guide them with career decisions. They were able to connect with professionals and receive resources to help them prepare for their careers. Dallas College has been able to market its partnership with ASME, which may convince a student to attend the college rather than another school.



DR. JASON TREADWAY

Director of STEM Institute
Dallas College

Scholarships & Competitions

Scholarships

- Scholarships totaling over \$400,000 with an average gift of \$4,000
- Universal Application: Many ASME Scholarships have specific eligibility requirements; however, when a student completes the online application, they will be considered for all scholarships for which they qualify
- ASME Scholarships are awarded annually to eligible ASME Student Members

[For more information on ASME scholarships, visit asme.org.](https://www.asme.org)

Student Competitions

- E-Fests are virtual, global outreach events that offer challenging competitions, skill-building workshops, and networking opportunities for college-age students, encouraging teamwork and innovation
- EFx are local events that provide a forum for students and early-career engineers to share technical programming, career, and professional development content, as well as social and networking activities, and much more.
- E-Week and Fall Impromptu Challenges bring a fun and friendly impromptu competition for two-year college students
- All competitions engage students in team-based engineering design competitions
- Events build a professional network by connecting with industry representatives

Competition areas include:

Engineering Division Competition
Extended Reality Challenge
Innovative Additive Manufacturing
Human Powered Vehicle Challenge

Technical Digital Poster Competition
Autonomous Racing
Oral Presentation Competition
[Student Design Competition](#)

[For more information on ASME E-Fests®, visit asme.org.](https://www.asme.org)



“This scholarship will really benefit my dreams of pursuing my education. Recently I have been hit with many personal matters that have left me uncertain if I would be able to continue my education. But after being selected for this scholarship, it gives me hope that I will be able to achieve my dream of having a brighter future. I will not have to worry on how I will pay for my studies. I did not think I was going to be awarded with such scholarship. I felt like I barely met the requirements and wished I had more to share. I proved myself wrong and I am very proud that I did.”

**Griselda
Ibarra-Godinez**

*Guilford Technical
Community College*



Early Careers & Career Resources

ASME is a powerful bridge, connecting students from college to career as they navigate their lifelong engineering journey.

Early Career Connections

- Provide mechanical engineering graduates with opportunities and tools to help support their transition from school to work
- Develop transferable leadership skills for career advancement, and understand the importance of continued and early engagement with ASME
- Networking Opportunities
- Get connected to local professional sections (comprised of mechanical engineers at various stages of their careers)
- Get connected to technical divisions to interact with other ASME members who share your technical interests
- Stay connected to your College or University as an ASME mentor and connect to ASME resources, competitions, and funding

Career Resources

- E-Fest Careers
- Mentorship
- ME Today newsletter
- Volunteer & Leadership Opportunities
- Opportunity to engage peer-to-peer with seasoned engineers from diverse backgrounds across the world, and develop transferrable skills that can lead to personal and professional leadership roles

ASME Career Center

- Search thousands of job and internship postings, upload your resume, and read career-focused articles tailored to engineers
- Help Mechanical Engineers navigate their professional path
- Offering a wealth of resources and insights
- Access to advice on resume writing, how to prep for an interview, networking tips and more
- Benchmarking data to help compare engineering salaries, along with career outlook information on mechanical engineering.
- Interactive webinars provide a glimpse at a “Day in the Life” of an engineer, providing valuable career insights and helping with career planning.

For “A Day in the Life” videos and more information on ASME career resources, visit [asme.org](https://www.asme.org).





College Responsibilities

A partnership between ASME and your institution is beneficial for students and faculty as it provides resources for student and faculty development and cultivates relationships with employers for internships, mentoring, job opportunities, and networking.

Colleges are expected to:

- Designate an institutional point of Contact/Liaison/Advisor
- Help recruit student members
- Promote and participate in ASME events, activities, and resources
- Submit information as requested

Collaborating with ASME during a student's undergraduate experience adds another dimension to what is learned in the classroom.



Become Part of the CCEP Program

FOR MORE INFORMATION,
CONTACT:

Daniel Pino

Program Coordinator
Workforce Development

phone: 212-591-7041

email: ccep@asme.org

“Creating professional relationships is important, and joining a group allows you to have a sense of security and trust. From this, you are able to support and help one another in reaching your professional goals.”

HIGHER ED JOBS



FOLLOW ASME ON SOCIAL MEDIA

