



ENERGY CAREERS 2021

10.20.21 — A Virtual Career Event from the Center for Energy Workforce Development



11:00 A.M. – 11:30 A.M.

KEYNOTE SESSION

This kick-off session will explore what we can expect in the energy industry of tomorrow. How will the country be powered and fueled? What innovation is required to get there? What will the industry's jobs look like and what skill sets will be most in demand? Energy companies will hire hundreds of thousands of people over the next several years for essential, dynamic, and well-paying jobs, a trend that shows no sign of slowing. Join us for this stage-setting program to have your eyes opened to all the energy industry has to offer and why a career in energy may be the best job you have never considered.

11:30 A.M. – 12:15 P.M.

CONCURRENT SESSIONS

High School Students

THE INNOVATIVE AND IMAGINATIVE FUTURE OF ENERGY AND THE COOL CAREERS IT OFFERS

This session will highlight some of the newer areas of focus in the industry, including solar, wind, hydro, EV infrastructure, energy storage, and more, while also focusing on dynamic employment opportunities with more traditional power and fuel sources. Learn about attractive compensation, the chance to make a positive impact on society, and many of the other benefits of industry employment. Prepare to reimagine what you think about energy careers and the incredible opportunities that exist!

College Students and Recent Grads

POWERING YOUR FUTURE – ENGINEERING CAREERS IN ENERGY

This session will bring the industry to life for engineering students and recent engineering grads by showcasing the types of projects and challenges the industry is addressing. Interested in creating a national charging system for electric vehicles? What about designing a new electric grid to power every square foot of the country? Perhaps developing wind farms interests you more? Or maybe you want to learn more about gas line operations or working within a nuclear power plant. We will showcase the need for all types of engineers and career paths in the workforce.

Career Changers and Job Seekers

DISCOVER WHY YOU SHOULD CONSIDER AN ENERGY CAREER

This overview session for career changers and job seekers will address the top reasons to work in the energy field, including the essential and stable work to be done, employment in a meaningful industry, the need for problem solvers and technical thinkers, inclusion in a community-focused environment, breadth of jobs, training opportunities, earning potential, and jobs for all who demonstrate the aptitude and commitment. If you are looking for a change from your current role or not progressing, seeking strong benefits and family-supporting compensation, seeking meaningful and important work, join us to explore what you can find in the energy industry. If you have never even considered an energy career, this session is especially for you!



12:30 P.M. – 1:15 P.M.

CONCURRENT SESSIONS

High School Students

WHY CONSIDER ENERGY INTERNSHIPS AND APPRENTICESHIPS (AND HOW TO FIND THEM!)

No matter where you are in your high school journey, it's a good time to think about exploring jobs that might interest you in the future. Whether you plan to work right after school or attend college, there are tremendous opportunities you have likely never considered in the energy industry. If you want to work outdoors, explore business management, create and innovate, or change the future – energy employers can fulfill all these interests and more. This session will help students begin to consider careers in energy and address ways you can learn more through internships, apprenticeships, and pre-apprenticeships – and most importantly, how to get connected with them.

College Students and Recent Grads

FINDING YOUR FUTURE IN THE INNOVATIVE, IMAGINATIVE ENERGY INDUSTRY

This session will highlight some of the newer areas of focus in the industry, including solar, wind, hydro, EV infrastructure, energy storage, etc., while also focusing on dynamic employment opportunities in more traditional power and fuel sources. Learn about attractive compensation, the chance to make a positive impact on society, and many of the other benefits of industry employment. Prepare to reimagine what you think about energy careers and the incredible opportunities that exist!

Career Changers and Job Seekers

EXPLORE CYBER-SECURITY AND IT CAREERS IN ENERGY

This session will target “techy” professionals by explaining entry and transition points into the energy sector. We will overview technology careers in the energy industry, offering a special focus on the importance of cyber-security and the kinds of projects on which these professionals work. Cyber-security is a particularly in-demand area of employment for energy employers.



1:00 P.M. – 6:00 P.M.

EXHIBIT HALL

Don't miss this opportunity to meet virtually with energy employers from around the country! If you are actively looking for a job or an internship, upload your resume when you register to get it in the hands of recruiters. Stroll the virtual booths and learn more about companies in your area and job and internship openings they have available now or talk with representatives to see how to find the opportunity of your dreams.

1:00 P.M. – 6:00 P.M.

INNOVATION LAB

Calling all students and educators – join us for the Energy Careers 2021 Challenge. Have some fun and meet us in the Innovation Lab to learn how other students used their creativity to showcase their vision on how to enhance the energy industry!

1:30 P.M. – 2:15 P.M.

CONCURRENT SESSIONS

High School Students

CAREER SPOTLIGHT – WHAT YOU NEED TO KNOW ABOUT TECHNICAL AND SKILLED TRADE CAREERS IN ENERGY

This session will appeal to students looking for an immediate and “hands-on” career path right after high school. We will overview industry opportunities for those who have technical, problem-solving minds and are eager for on-the-job learning. Learn about entry-level positions and how and where employees can grow as they progress through their careers. People are often surprised to learn that many skilled-trade positions offer six figure compensation, with no college degree required.

College Students and Recent Grads

CAREER SPOTLIGHT - CYBERSECURITY AND IT JOBS IN ENERGY

This session will target “techy” professionals by explaining entry and transition points into the energy sector. We will overview the kinds of technology careers in the energy industry, offering a special focus on the importance of cyber-security (and why these professionals are in such high demand right now) and the kinds of projects these professionals work on.

Career Changers and Job Seekers

TECHNICAL AND SKILLED-TRADE CAREERS IN ENERGY

Join us for an overview of the essential trade jobs that have immediate and perpetual openings, including what they are, earning potential, and how to get started. This is your chance to learn about working as a gas technician, lineworker, plant operator, electrician, welder, and so many other critical and in-demand jobs. This session, and the jobs it will cover, will be particularly beneficial for those who like working with their hands, spending time outdoors, and problem-solving.



2:30 P.M. – 3:15 P.M.

CONCURRENT SESSIONS

High School Students

PLANNING YOUR PATH TOWARD A CAREER IN ENERGY

If you THINK you might be interested in an energy career, let's work together to make that happen! During this session, industry professionals will offer guidance on what kind of coursework to pursue, what extra-curriculars may serve you well, and how to start the professional pursuit – whether that's working in engineering, business, skilled trades, or other technical roles.

College Students and Recent Grads

TURNING TECHNICAL TALENTS INTO A TECHNICAL CAREER IN ENERGY

Attention college students and recent grads who want to put your analytical and technical abilities to good use: THIS SESSION IS FOR YOU! Our panel will showcase a variety of job opportunities that will challenge your thinking and provide career growth and opportunity. If you like solving problems (the bigger, the better), fixing things or are curious how things work, don't miss this program that will intrigue you with all you can do in an energy career.

Career Changers and Job Seekers

TRANSFERRING MILITARY EXPERIENCE TO A CAREER IN ENERGY

This session, led by military recruiters and former military professionals who now work in the energy sector, will address why so many veterans find their next careers in energy and how to make the career transition. A few hints for you: think leadership, teamwork, initiative, processes, security – to name just a few reasons careers in energy offer such a strong transition to those who have served in the military.



3:30 P.M. – 4:15 P.M.

CONCURRENT SESSIONS

BUSINESS CAREERS IN ENERGY: CALLING ACCOUNTANTS, MARKETERS, CUSTOMER SERVICE REPS, HR PROS, AND OTHERS

Many of the most visible energy careers are technical in nature and involve outdoor work – but there's a lot of important work being done behind the scenes as well. This session is for adult and college-aged individuals who are business-minded, to offer insight into why they should consider sharing their talents in the energy sector and how to transition into them. Presenters will highlight the array of talents needed to operate an energy company.

WHO WOULD IMAGINED? ELECTRIC VEHICLES AND CAREERS IN EV INFRASTRUCTURE

It seems futuristic to think about cars being electric and non-reliant on gas – but that reality is upon us and the number of electric vehicles (EV) in the U.S. is growing annually. This session will talk about both EVs and the infrastructure needed to support them. We will hear from an electric vehicle manufacturer and an energy company tasked with ensuring our new rides can travel from coast-to-coast with ease. With the expected growth in this market segment, there will be tremendous number of new job opportunities.

WORKING TOWARD ENVIRONMENTAL AND ENERGY JUSTICE FOR ALL

This session, targeting students and those passionate about social justice issues, will address the altruistic spirit of the industry, showing how the industry is supporting and expanding opportunities for equity in both the social and economic participation in the energy system.

ENTREPRENEURSHIP IN ENERGY

Think there is a lack of creativity and entrepreneurship in the energy industry? Think again! This session is designed to connect with those who have an entrepreneurial spirit, but don't understand how to connect it with the energy sector. Participants will learn about starting their own company and/or putting that go-getter, agent-of-change desire into any position in the profession.

4:30 P.M. – 5:30 P.M.

ASK AN EXPERT

Join one of the sessions below for an opportunity to learn from industry experts, and others who are eager to help students and career seekers find their place in the energy sector.

- How to Network into an Energy Career
- Positioning Your Resume and Professional Profile for a Career in Energy
- Transferring Military Skills into Energy Careers

