



ADVANCED CAREER TRAINING ONLINE COURSES

# CONSTRUCTION and TRADES



Some courses feature VR Training with v3 Headset included!

## COURSE FEATURES:

- 24/7 Access
- Books and materials included
- Certificate of Completion
- Financial assistance available
- Student Advisors included
- Industry recognized certifications

## TABLE OF CONTENTS:

Construction	1
Environmental and Energy	2
Renewable Energy	2
Trades	3
Transportation	7

## School Name here

### CONSTRUCTION

#### Blueprint Reading Basics

Learn how blueprint drawings are organized and how information is referenced throughout a set of construction blueprint drawings.

#### Blueprint Reading Basics (Spanish)

Aprende cómo se organizan los planos y cómo se aplica la información a lo largo de un juego de planos de construcción.

#### Construction Worker (Heavy Civil Construction)

Kickstart your career in the construction industry. The aQuiRe construction training curriculum consists of documentary-style, micro-learning videos that cover trade topics including site operations, bridge and highway infrastructure projects, machine inspection and maintenance, field safety, and career-readiness.

#### Fundamentals of Blueprint Reading & Construction Estimating

Learn how blueprint drawings are organized and how information is referenced throughout a set of construction blueprint drawings. Demonstrate an understanding of the inter-relationship between the construction drawing and a quantity-takeoff cost estimate.

#### Home Inspection Certificate

This course will help you prepare for a career as a Home Inspector. You will learn best practices for inspecting residential construction, including inspection guidelines, identifying common defects, reporting methodologies, and risk management.

To learn more and enroll, visit:

[careertraining.ed2go.com/webname](https://careertraining.ed2go.com/webname)

## ENVIRONMENTAL AND ENERGY

### Biofuel Production Operations

This online Biofuel Production Operations course will give you the education you need to work as a biofuel production operator, inspect and repair equipment, operate computer systems, and handle lab equipment.

### Chemical Plant Operations

Prepare for an entry-level position in a chemical plant with this online Chemical Plant Operations course.

### Mechatronics

#### ADVANCED MANUFACTURING

This online course provides an intensive overview of the skills necessary in the mechatronics industry, including math, inspection, safety, quality, electrical systems, automation, mechanical systems, fluid systems, rigging and welding.

### Natural Gas Plant Operations

For decades to come, natural gas will be produced and consumed in the United States, creating an ongoing demand for natural gas plant operators. This online course provides the fundamental technical background you need to get started in this field.

### Oil Refinery Operations

Learn the skills you need to start work as an in-demand oil refinery operator.

### Power Plant Operations

Learn the skills you need to gain entry-level employment as a power plant operator.

## RENEWABLE ENERGY



### NABCEP Certification - PV Associate

(Exam Included)

Take the first step toward earning an internationally recognized solar certification. This training program will instantly qualify you to sit for the PV Associate exam offered through the North American Board of Certified Energy Practitioners® (NABCEP®).

### NABCEP Certification - PV Design Specialist

Become a certified solar PV system designer through this NABCEP® PV Design Specialist training program by Everblue. This NABCEP-approved curriculum aligns with the prerequisites for the NABCEP® PVDS exam.

### NABCEP Certification - PV Installation Professional

Become a certified solar panel installer with the NABCEP® PV Installation Professional training program. This NABCEP®-approved curriculum aligns perfectly with the educational prerequisites to sit for the NABCEP® PVIP exam and provides an overview of installation, design, sales, and safety concepts.

### Solar Design Training

This online course will familiarize you with the steps and considerations necessary before and during a solar installation project. This includes addressing customer expectations, paperwork and approvals, location options, code compliance, and project site assessment.

### Solar Energy Training

This entry-level solar energy training course is designed to help you understand the fastest-growing form of power generation in the world - solar power. This is the best place to begin your journey into the solar workforce by equipping yourself with in-demand skills!

### Solar Panel Installer Training

This intermediate-level course follows our PV101 Solar Energy Training course - building on solar energy, electricity, and safety fundamentals by training you to work with wires, circuits, and panels. This 40-hour online course will teach you how to install solar panels and about the balance of components, including inverters, charge controllers, and battery banks for grid-tied and off-grid systems.

## TRADES



### Certificación HVAC/R en español

(incluye curso de inglés y examen profesional) (EnGen)

Durante este curso mejorarás tus conocimientos de inglés y aprenderás valiosas habilidades profesionales en la trayectoria de la carrera de HVAC. Utilizarás simulaciones prácticas de llamadas de servicio para prepararte para la certificación HVAC a través de los exámenes de acreditación de "HVAC Excellence o NATE."

### Certified Additive Manufacturing (CAM-F)

**ADVANCED MANUFACTURING**

(Voucher Included)

This additive manufacturing certification course focuses on the basics of additive manufacturing, including a comprehensive overview of additive manufacturing, the seven additive manufacturing technologies, and basic safety guidelines.

### Certified Additive Manufacturing Technician (CAM-T)

**ADVANCED MANUFACTURING**

(Voucher Included)

Prepare for the Certified Additive Manufacturing - Technician (CAM-T) certification exam, which focuses on the methodology of additive manufacturing, including the seven additive manufacturing technologies, processes, material selection, post-processing, and basic safety guidelines. Start your additive manufacturing training today!

### Certified Manufacturing Associate (CMfgA)

**ADVANCED MANUFACTURING**

(Voucher Included)

SME's Certified Manufacturing Associate (CMfgA) is an industry certification focused on basic manufacturing concepts, demonstrating an individual's potential for high-demand, entry-level manufacturing roles. It was designed for individuals new to manufacturing who may not currently possess enough knowledge or experience for more advanced technical certifications.

### Certified Manufacturing Engineer (CMfgE)

**ADVANCED MANUFACTURING**

(Voucher Included)

The CMfgE course is ideal if you have advanced manufacturing engineering experience, are in a leadership position, or support manufacturing practices at a manufacturing organization.

### Certified Manufacturing Technologist (CMfgT)

**ADVANCED MANUFACTURING**

(Voucher Included)

The CMfgT course is an entry-level program that benefits both new manufacturing engineers and experienced manufacturing engineers without other credentials.

### CNC Machinist with VR Training

**ADVANCED MANUFACTURING**

This course provides an intensive overview of workholding, math, inspection, safety, metal cutting, materials, quality, and grinding. These skills are essential for working as a CNC Machinist.

### CNC Machinist with VR Training (VR Training Headset v3 Included)

This CNC machinist course provides an intensive overview of workholding, math, inspection, safety, metal cutting, materials, quality, and grinding - all skills are essential for working as a CNC machinist.

### Composites Technician

**ADVANCED MANUFACTURING**

The Composites Technician course provides an intensive overview of the skills needed for composites processing. You will learn math, inspection, safety, materials, quality, machining and joining skills.

### Composites Technician with VR Training

(VR Training Headset v3 Included)

The Composites Technician course provides an intensive overview of the skills needed for composites processing. You will learn math, inspection, safety, materials, quality, machining, and joining skills.

### Die Setter

This course provides an intensive overview of die setting. You will learn the math, inspection, safety, materials, quality, and fabrication skills needed to work as a die setter.

### Die Setter with VR Training (VR Training Headset v3 Included)

This course provides an intensive overview of die setting. You will learn the math, inspection, safety, materials, quality, and fabrication skills needed to work as a die setter.

## Electrical and Electronics Technician Certification with Lab Kit

### ADVANCED MANUFACTURING

#### (Tools Included)

Start your journey as an electrical technician with this self-guided multimedia course designed to immerse you in real-life case scenarios, hands-on labs, circuit simulations, and over 200 engaging, safe-to-fail activities to reinforce your learning. Learn to read electrical schematics, hone your testing and troubleshooting skills, and prepare for an electronics certification opportunity as you launch your new career.

## Electrical and Electronics Technician Certification with Lab Kit

### ADVANCED MANUFACTURING

#### (Voucher Included)

Start your journey as an electrical technician with this self-guided multimedia course designed to immerse you in real-life case scenarios, hands-on labs, circuit simulations, and over 200 engaging, safe-to-fail activities to reinforce your learning. Learn to read electrical schematics, hone your testing and troubleshooting skills, and prepare for an electronics certification opportunity as you launch your new career.

## Electricista Residencial (EnGen)

Mejore su dominio del inglés y su vocabulario específico del trabajo para iniciar su carrera como electricista residencial con este curso integral, aprovechando la instrucción de inglés alieneada con la carrera de EnGen, en asociación con ed2go. Obtenga habilidades esenciales en teoría eléctrica, cableado y servicio al cliente mientras se prepara para la capacitación de credenciales, todo a su propio ritmo.

## Electric Vehicle Fundamentals (EVF)

### ADVANCED MANUFACTURING

#### (Voucher Included)

The Electric Vehicle Fundamentals (EVF) credential is focused on the fundamentals of electric vehicles and provides a starting point for career pathways in the electric vehicle (EV) industry.

## Engineering Technician with VR Training

### ADVANCED MANUFACTURING

Gain an intensive overview of the skills necessary to become an engineering technician. You will learn about math, inspection, safety, materials, machining, quality, grinding, electrical systems, automation, motor controls, additive manufacturing, assembly, design, and management.

## Engineering Technician with VR Training

### (VR Headset v3 Included)

Gain an intensive overview of the skills necessary to become an engineering technician. You will learn about math, inspection, safety, materials, machining, quality, grinding, electrical systems, automation, motor controls, additive manufacturing, assembly, design, and management.

## HVAC/R Certified Technician

### (Voucher Included)

If you want to take your HVAC/R career to the next level, this course uses hands-on service call simulations to prepare you for the industry-recognized HVAC Excellence or NATE certification exams.

## HVAC/R Certified Technician (Voucher and Tools Included)

If you want to take your HVAC/R career to the next level, this course uses hands-on service call simulations to prepare you for the industry-recognized HVAC Excellence or NATE certification exams.

## HVAC/R Español a Inglés

### (Aprendiendo Inglés para esta Profesión) (EnGen)

Durante este curso de HVAC/R mejorará tus conocimientos de inglés y aprenderás valiosas habilidades profesionales necesarias para tener éxito como profesional HVAC/R.

## HVAC/R Simulation for Field Technicians

Work through true-to-life simulations of common HVAC/R scenarios and gain applicable service, maintenance, and troubleshooting skills. This hands-on simulator course will help you hone your technical abilities and build your knowledge of complex heating, ventilation, air conditioning, and refrigeration systems.

## HVAC/R Technician

### (Voucher Included)

This course will train you to service, maintain, and troubleshoot complex heating, ventilation, and air conditioning, and refrigeration systems. You will also gain the necessary situational knowledge and technical skills to prepare for an entry-level role in the HVAC/R field.

## HVAC/R Technician

### (Voucher and Tools Included)

This course will train you to service, maintain, and troubleshoot complex heating, ventilation, air conditioning, and refrigeration systems. You will also gain the necessary situational knowledge and technical skills to prepare for an entry-level role in the HVAC/R field.



## Irrigation Professional

The Irrigation Professional Program prepares technicians to advance from foundational skills to expert-level irrigation repair, diagnostics, locating work, and business operations. Through hands-on training filmed on real customer job sites, students gain the field experience and business insight needed to perform at the highest professional level in irrigation repair and service.

## Irrigation Technician

This course will take you from knowing nothing about sprinkler systems to having the knowledge to get a job running irrigation repair service calls.

## Maintenance Technician

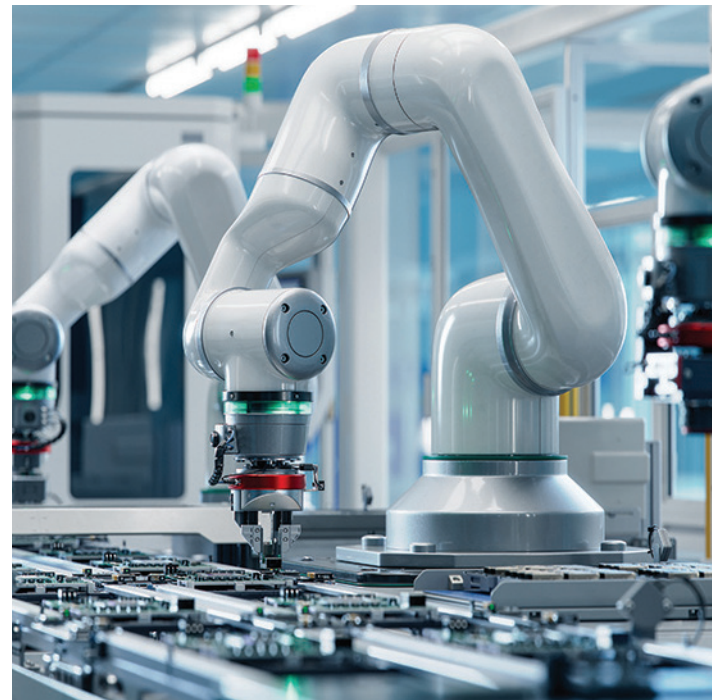
**ADVANCED MANUFACTURING (Tools Included Option Available)**

This Maintenance Technician training course allows you to identify the required knowledge and skills that provide a pathway to upskill and validated worker competences.

## Maintenance Technician with VR Training

**(VR Headset v3 Included)**

This Maintenance Technician training course allows you to identify the required knowledge and skills that provide a pathway to upskill and validated worker competences.



## Manual Machinist

This Manual Machinist course provides an intensive overview of the skills necessary to perform manual machining. The course will cover workholding, math, inspection, safety, machining, materials, quality, grinding, assembly, and more.

## Manual Machinist with VR Training

**(VR Headset v3 Included)**

This Manual Machinist course provides an intensive overview of the skills necessary to perform manual machining. The course will cover workholding, math, inspection, safety, machining, materials, quality, grinding, assembly, and more.

## Mechatronics with VR Training

**(VR Headset v3 Included)**

Obtain an intensive overview of mechatronics technology and skills necessary for career success using VR training components, including math, inspection, safety, quality, electrical systems, fluid systems, rigging, and welding.

## Plumber with Practice Kit

This course trains you for a career in plumbing, where you will learn specialized plumbing skills and terminology for residential, commercial, and industrial plumbing systems. You will also learn the math, geometry, and physical principles essential for installing, maintaining, and troubleshooting plumbing systems.

## Plumber with Practice Kit

**(Tools Included)**

This course trains for a career in plumbing. You will learn specialized plumbing skills and terminology for residential, commercial, and industrial plumbing systems. In addition, this course teaches the math, geometry, and physical principles needed to work on plumbing systems.

## Press Operator: Cold Stamping

You will gain an intensive overview of the skills needed for cold stamping press work. You will learn math, inspection, safety, materials, quality, stamping, forming, and automation to work at as a cold stamping press operator.

## Press Operator: Cold Stamping with VR Training

**(VR Headset v3 Included)**

You will gain an intensive overview of the skills needed for cold stamping press work. You will learn math, inspection, safety, materials, quality, stamping, forming, and automation to work at as a cold stamping press operator.

**Press Operator: Hot Stamping**

This course provides an intensive overview of hot stamping press work. You will learn the math, inspection, safety, materials, quality, stamping, forming, and automation skills needed to work as a hot stamping press operator.

**Press Operator: Hot Stamping with VR Training**

**(VR Headset v3 Included)**

This course provides an intensive overview of hot stamping press work. You will learn the math, inspection, safety, materials, quality, stamping, forming, and automation skills needed to work as a hot stamping press operator.

**Process Technician**

**ADVANCED MANUFACTURING**

This online course provides an intensive overview of the skills needed to become a process technician. You will learn a wide variety of skills, including math, inspection, safety, machining, quality, electrical systems, automation, mechanical systems, motor controls, fluid systems, and joining.

**Process Technician with VR Training**

**(VR Headset v3 Included)**

This online course provides an intensive overview of the skills needed to become a process technician. You will learn a wide variety of skills, including math, inspection, safety, machining, quality, electrical systems, automation, mechanical systems, motor controls, fluid systems, and joining.

**Quality Inspector**

**ADVANCED MANUFACTURING**

This course provides an intensive overview of the skills necessary for quality assurance and inspection. You will learn math, inspection, safety, materials, quality and management skills as you prepare to become a quality inspector.

**Quality Inspector with VR Training**

**(VR Headset v3 Included)**

This Quality Inspector course provides an intensive overview of the skills necessary for quality assurance and inspection. You will learn math, inspection, safety, materials, quality, and management skills as you prepare to become a quality inspector.

**Residential Electrician**

**(Tools Included)**

From updating existing buildings to building construction, demand for electricians is on the rise. This course will train you for an entry-level career as an electrician by teaching you the fundamental skills you need to succeed, such as electrical theory, wiring and installation, customer service best practices, the National Electrical Code®, and much more.

**Robotics in Manufacturing Fundamentals (RMF)**

**ADVANCED MANUFACTURING**

**(Voucher Included)**

The RMF credential focuses on the fundamentals of manufacturing robotics and provides a starting point for any career pathway a candidate may pursue in the field of robotics.

**Robotics Technician**

**ADVANCED MANUFACTURING**

This Robotics Technician course provides an intensive overview of the skills needed in the robotics industry.

**Robotics Technician with VR Training**

**(VR Headset v3 Included)**

Gain an intensive overview of the skills needed in the robotics industry. You will learn math, safety, quality, electrical systems, automation, mechanical systems, fluid systems, and rigging to be on your way to a successful career as a robotics technician.

**Tool and Die Maker**

This course provides an intensive overview of tool and die making and will teach you about workholding, math, inspection, safety, machining, materials, quality, and grinding.

**Tool and Die Maker with VR Training**

**(VR Headset v3 Included)**

This course provides an intensive overview of tool and die making and will teach you about workholding, math, inspection, safety, machining, materials, quality, and grinding.

**Toolmaker**

This online course will provide an intensive overview of the toolmaking industry and the skills needed to work in it. You will learn a variety of important skills, including workholding, math, inspection, safety, machining, materials, quality, grinding, and stamping.

**Toolmaker with VR Training****(VR Headset v3 Included)**

This online course will provide an intensive overview of the toolmaking industry and the skills needed to work in it. You will learn a variety of important skills, including workholding, math, inspection, safety, machining, materials, quality, grinding, and stamping.

**Welder Technician**

The Welder Technician course is an intensive overview of skills relating to welding techniques, from the basic principles of metal cutting and rigging to safety guidelines and manufacturing management.

**Welder Technician****(Tools Included)**

The Welder Technician course is an intensive overview of skills relating to welding techniques, from the basic principles of metal cutting and rigging to safety guidelines and manufacturing management.

**Welder Technician with VR Training****(VR Headset v3 Included)**

The Welder Technician course is an intensive overview of skills relating to welding techniques from the basic principles of metal cutting and rigging to safety guidelines and manufacturing management.

**TRANSPORTATION****ELDT for Passenger Endorsement**

The Passenger Endorsement Theory Course is designed to provide prospective school bus drivers with essential knowledge and skills needed to obtain a Passenger Endorsement (P) on their current Commercial Driver's License (CDL).

**ELDT for School Bus Endorsement**

The School Bus Endorsement Theory Course is designed to provide prospective school bus drivers with essential knowledge and skills needed to obtain a School Bus Endorsement (S) on their current Commercial Driver's License (CDL).

**Entry Level Driver Training ELDT for Class A**

Learn everything you need to prepare for your entry-level driver training (ELDT) necessary to obtain your Class A Commercial Driver's License (CDL).

**Entry Level Driver Training ELDT for Class B**

Get the training you need to meet FMCSA requirements and prepare to obtain your entry-level driver training (ELDT) Class B Commercial Driver's License (CDL).

**Entry Level Driver Training ELDT for Class B to A**

Get the knowledge you need to upgrade your Class B license to a Class A Commercial Driver's License (CDL) in three months or less with this Entry-Level Driver Training (ELDT) course.

**Entry Level Driver Training ELDT for Hazardous Materials**

Prepare to fulfill the stated-administered knowledge requirement for your hazardous materials (H) endorsement.

**Online Defensive Driving Course for Commercial Drivers**

An online course designed to help commercial drivers improve safety, avoid collisions, and maintain compliance through defensive driving strategies.