ASSOCIATE DEGREE PROGRAM | TECH - ENGINEERING TECHNOLOGY

ENGINEERING TECHNOLOGY

Specialization: Renewable Energy and Sustainable Power

ABOUT THIS PROGRAM

IS THIS PROGRAM FOR YOU?

If you are interested in exploring the technology necessary to produce renewable energy and making sustainable energy universally available, then this might be the right program for you.

A PROGRAM TO FUEL YOUR FUTURE

The Renewable Energy and Sustainable Power specialization provides an opportunity for students to explore alternative energy technologies including photovoltaics, solar thermal systems, wind power and more. Students will utilize cloud-based design and analysis tools to perform various power calculations, explore energy infrastructure and resources and identify types of alternative energy sources used globally and in the United States.

CAREER OPPORTUNITIES

Graduates of DeVry's Engineering Technology associate degree program with a specialization in Renewable Energy and Sustainable Power may consider, but are not limited to, the following careers:

- Electrical and Electronic Engineering Technologists and Technicians
- Electro-Mechanical and Mechatronics Technologists and Technicians
- Engineering Technician
- Engineering Technologist and Technicians, Except Drafters, All Other
- Field Service Assistant
- Field Service Technician
- Industrial Engineering Technologists and Technicians
- Renewable Energy Technician
- Solar Technician

WHAT YOU'LL LEARN

ESSENTIALS

- Communicate methods and findings
- Collaborate in a dynamic work environment
- Solve complex problems
- Analyze numerical data
- Apply appropriate technologies

TECH CORE

- Produce, secure, operate and troubleshoot a small enterprise network
- Network, secure and deploy digital devices and sensors into the Internet of Things ecosystem
- Solve technical problems using an algorithmic approach and basic programming and coding methods
- Install and configure operating systems using Command Line Interface (CLI)

PROGRAM

- Design and analyze circuits ensuring proper construction, voltage and currents
- Understand the essential components of control systems designs and how to apply ladder logic to debug or maintain applications

SPECIALIZED

- Examine different renewable energy sources, storage options and assess which are best suited for a particular situation
- Understand common alternate energy sources and how they work
- Study essential power electronic circuitry in energy systems and devices
- Explore power systems and how power is generated, transmitted and delivered to the consumer

QUICK FACTS

64
CREDIT HOURS
minimum credit hours required for graduation

21
COURSES

ACCREDITATION MATTERS

ABET Engineering Technology Accreditation Commission

ETAC of ABET accredits postsecondary, degree-granting programs that meet their global standards for technical education. This is a global mark of quality that is respected by employers and professional associations within the Engineering Technology field. The Associate in Engineering Technology degree program is accredited by The Engineering Technology Accreditation Commission of ABET (ETAC of ABET) www.abet.org.

CERTIFICATION EXAM ALIGNED CURRICULUM

SKILLS FOCUSED

Experience elements of our technology curriculum focused on real-world industry standards and prepare for certification opportunities to help validate your knowledge and skills, such as:

- CompTIA Security+
- CompTIA Linux+
- CompTIA Network+
- CompTIA Cloud+

ACCELERATE AT YOUR PACE

MINIMUM COMPLETION TIME*	OR	NORMAL COMPLETION TIME**
1 years 4 months		2 years

Choose the schedule that best fits your goals and commitments. You can earn your **Associate Degree** in as little as **1 years 4 months**.

Or, follow a normal schedule and complete your program in 2 years.

*Per 12-month period, assumes completion of 3 semesters, enrollment in 15-17 credit hours per semester and continuous, full-time year-round enrollment with no breaks.

**Per 12-month period, assumes completion of 2 semesters and full-time enrollment in 15-17 credit hours per semester.

DeVry University

Associate Degree Program | Tech - Engineering Technology

Engineering Technology - Renewable Energy and Sustainable Power

ESSENTIALS

26 CREDIT HOURS

COMMUNICATION SKILLS

ENGL112 Composition

Select one

SPCH275 Public Speaking
SPCH276 Intercultural Communication

HUMANITIES

Select one

ETHC232 Ethical and Legal Issues in the Professions
ETHC334 Diversity, Equity and Inclusion in the Workplace

SOCIAL SCIENCES

SOCS185 Culture and Society

MATHEMATICS AND NATURAL SCIENCES

MATH114 Algebra for College Students
PHYS204 Applied Physics with Lab

PERSONAL AND PROFESSIONAL DEVELOPMENT

CARD205 Career Development
COLL148 Critical Thinking and Problem-Solving

BE AN ACTIVE PART OF AN INCLUSIVE FUTURE

Customize your curriculum by choosing Diversity, Equity and Inclusion (DE&I) course alternates for your Communication Skills, Humanities and Social Science courses. These course options – denoted by this icon – highlight relevant topics to help empower you to promote an inclusive workplace.

TECH CORE

21 CREDIT HOURS

TECH CORE

CEIS101 Introduction to Technology and Information Systems
CEIS106 Introduction to Operating Systems
CEIS110 Introduction to Programming
CEIS114 Introduction to Digital Devices
NETW191 Fundamentals of Information Technology and Networking
NETW211 Fundamentals of Cloud Computing
SEC285 Fundamentals of Information System Security

PROGRAM

7 CREDIT HOURS

AUTOMATION AND ELECTRONIC SYSTEMS

ECT226 Electronic Device and System Foundations
ECT286 Automation and Controls

CAREER PREPARATION

CEIS299 Careers and Technology

SPECIALIZED

10 CREDIT HOURS

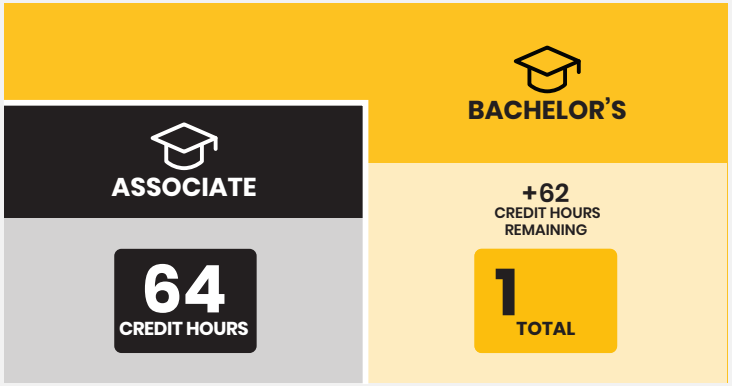
RENEWABLE ENERGY AND SUSTAINABLE POWER

SUST210 Renewable Energy: Science, Technology and Management

Select two

REET302 Introduction to Alternative Energy Technologies
REET322 Power Electronics and Alternative Energy Applications
REET326 Electric Machines and Power Systems

Earn a credential at every step.



HOW DO CREDENTIALS STACK?

This Associate in Engineering Technology with a specialization in Renewable Energy and Sustainable Power can serve as a steppingstone to our Engineering Technology bachelor's degree. If you choose to continue on with your education, all credits apply to this credential. Build your confidence – and your resume – when you start your journey at DeVry.*

*The figures displayed represent the minimum credit hours required for graduation. At the time of application to the next credential level, an evaluation of qualifying transfer credit will occur and the most beneficial outcome will be applied.

visit DeVry.edu | Call 888.DeVry.04

DeVry University