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

- Illustrate the basics of computing and explain the value of data and troubleshooting
- Install and configure operating systems using Command Line Interface (CLI)
- Solve technical problems using an algorithmic approach and basic programming and coding methods
- Network, secure, and deploy digital devices and sensors into the internet of things ecosystem

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

- Understand sustainability issues involving global challenges engineers face across multiple disciplines
- 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

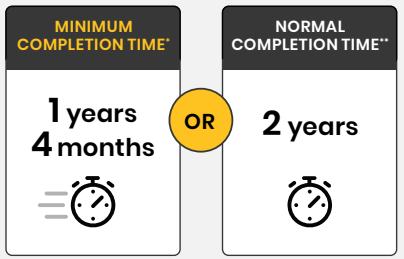
ETAC of ABET accredits postsecondary, degree-granting programs that meet their global standards for technical education. This is a global mark of quality that is respected by employers and professional associations within the Engineering Technology field. The Associate in Engineering Technology degree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

SKILLS FOCUSED

CERTIFICATION EXAM ALIGNED CURRICULUM

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 Linux+
- CompTIA A+
- CompTIA ITF+
- PCEP Certified Entry-Level Python Programmer



ACCELERATE ON YOUR SCHEDULE

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.

* Minimum completion time does not include breaks and assumes 3 semesters of year-round, full-time enrollment in 15-17 credit hours a semester per 12-month period.
** Normal completion time includes breaks and assumes 2 semesters of enrollment in 15-17 credit hours per semester per 12-month period.

DeVry University

Associate Degree Program | Tech - Engineering Technology

Engineering Technology - Renewable Energy and Sustainable Power

ESSENTIALS

26 CREDIT HOURS

COMMUNICATION SKILLS

ENGL112	Composition
SPCH275	Public Speaking

HUMANITIES

ETHC232	Ethical and Legal Issues in the Professions

SOCIAL SCIENCES

SOCS185	Culture and Society

MATHEMATICS AND NATURAL SCIENCES

MATH114	Algebra for College Students
TECH204	Everyday Physics

PERSONAL AND PROFESSIONAL DEVELOPMENT

CARD205	Career Development
COLL148	Critical Thinking and Problem-Solving

TECH CORE

12 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

SPECIALIZED

10 CREDIT HOURS

RENEWABLE ENERGY AND SUSTAINABLE POWER

TECH215	Introduction to Sustainability

Select two

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

PROGRAM

16 CREDIT HOURS

PROGRAM FOCUS

ECT226	Electronic Device and System Foundations
ECT286	Automation and Control

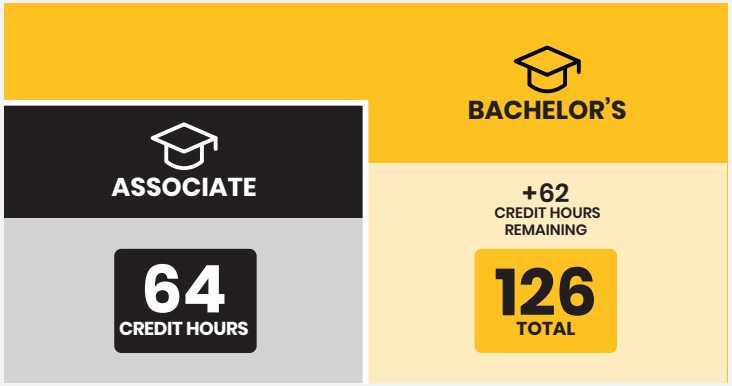
Three of:

ECT308	Introduction to Computer-Aided Design
ECT313	Generative Design
ECT315	Industrial IoT
ECT320	Manufacturing Processes and System
ECT325	Electromechanical Systems
NETW191	Fundamentals of Information Technology and Networking
NETW212	Introduction to Cloud Computing
SEC285	Fundamentals of Information System Security
TECH301	Design of Experiments

CAREER PREPARATION

CEIS298	Introduction to Technical Project Management

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. Additional coursework may be necessary to complete program requirements. At the time of application to the next credential level, an evaluation of qualifying credits will occur and the most beneficial outcome will be applied. Future programmatic changes could impact the application of credits to a future program. Refer to the academic catalog for details.

visit DeVry.edu | Call 888.DeVry.04

DeVry University