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
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
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
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.
Associate Degree Program | Tech - Engineering Technology

Engineering Technology - Renewable Energy and Sustainable Power

ESSENTIALS

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
SOC5185  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

TECH CORE

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

AUTOMATION AND ELECTRONIC SYSTEMS
ECT226  Electronic Device and System Foundations
ECT286  Automation and Controls

CAREER PREPARATION
CEIS299  Careers and Technology

SPECIALIZED

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

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 (DEI) 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.

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

In New York, DeVry University operates as DeVry College of New York. DeVry University is accredited by The Higher Learning Commission (HLC), www.hlcommission.org. The University’s Keller Graduate School of Management is included in this accreditation. DeVry is certified to operate by the State Council of Higher Education for Virginia. Arlington Campus: 1400 Crystal Dr., Ste. 120, Arlington, VA 22202. DeVry University is authorized for operation as a postsecondary educational institution by the Tennessee Higher Education Commission, www.tn.gov/thec. The University’s Keller Graduate School of Management is included in this accreditation. DeVry is certified to operate by the State Council of Higher Education for Virginia. Arlington Campus: 1400 Crystal Dr., Ste. 120, Arlington, VA 22202. DeVry University is authorized for operation as a postsecondary educational institution by the Tennessee Higher Education Commission, www.tn.gov/thec. The University’s Keller Graduate School of Management is included in this accreditation. DeVry is certified to operate by the State Council of Higher Education for Virginia. Arlington Campus: 1400 Crystal Dr., Ste. 120, Arlington, VA 22202. DeVry University is authorized for operation as a postsecondary educational institution by the Tennessee Higher Education Commission, www.tn.gov/thec. The University’s Keller Graduate School of Management is included in this accreditation. DeVry is certified to operate by the State Council of Higher Education for Virginia. Arlington Campus: 1400 Crystal Dr., Ste. 120, Arlington, VA 22202. DeVry University is authorized for operation as a postsecondary educational institution by the Tennessee Higher Education Commission, www.tn.gov/thec. The University’s Keller Graduate School of Management is included in this accreditation. DeVry is certified to operate by the State Council of Higher Education for Virginia. Arlington Campus: 1400 Crystal Dr., Ste. 120, Arlington, VA 22202. DeVry University is authorized for operation as a postsecondary educational institution by the Tennessee Higher Education Commission, www.tn.gov/thec. The University’s Keller Graduate School of Management is included in this accreditation. DeVry is certified to operate by the State Council of Higher Education for Virginia. Arlington Campus: 1400 Crystal Dr., Ste. 120, Arlington, VA 22202. DeVry University is authorized for operation as a postsecondary educational institution by the Tennessee Higher Education Commission, www.tn.gov/thec. The University’s Keller Graduate School of Management is included in this accreditation. DeVry is certified to operate by the State Council of Higher Education for Virginia. Arlington Campus: 1400 Crystal Dr., Ste. 120, Arlington, VA 22202. DeVry University is authorized for operation as a postsecondary educational institution by the Tennessee Higher Education Commission, www.tn.gov/thec. The University’s Keller Graduate School of Management is included in this accreditation. DeVry is certified to operate by the State Council of Higher Education for Virginia. Arlington Campus: 1400 Crystal Dr., Ste. 120, Arlington, VA 22202. DeVry University is authorized for operation as a postsecondary educational institution by the Tennessee Higher Education Commission, www.tn.gov/thec. The University’s Keller Graduate School of Management is included in this accreditation. DeVry is certified to operate by the State Council of Higher Education for Virginia. Arlington Campus: 1400 Crystal Dr., Ste. 120, Arlington, VA 22202. DeVry University is authorized for operation as a postsecondary educational institution by the Tennessee Higher Education Commission, www.tn.gov/thec. The University’s Keller Graduate School of Management is included in this accreditation. DeVry is certified to operate by the State Council of Higher Education for Virginia. Arlington Campus: 1400 Crystal Dr., Ste. 120, Arlington, VA 22202. DeVry University is authorized for operation as a postsecondary educational institution by the Tennessee Higher Education Commission, www.tn.gov/thec. The University’s Keller Graduate School of Management is included in this accreditation. DeVry is certified to operate by the State Council of Higher Education for Virginia. Arlington Campus: 1400 Crystal Dr., Ste. 120, Arlington, VA 22202. DeVry University is authorized for operation as a postsecondary educational institution by the Tennessee Higher Education Commission, www.tn.gov/thec. The University’s Keller Graduate School of Management is included in this accreditation. DeVry is certified to operate by the State Council of Higher Education for Virginia. Arlington Campus: 1400 Crystal Dr., Ste. 120, Arlington, VA 22202. DeVry University is authorized for operation as a postsecondary educational institution by the Tennessee Higher Education Commission, www.tn.gov/thec. The University’s Keller Graduate School of Management is included in this accreditation. DeVry is certified to operate by the State Council of Higher Education for Virginia. Arlington Campus: 1400 Crystal Dr., Ste. 120, Arlington, VA 22202. DeVry University is authorized for operation as a postsecondary educational institution by the Tennessee Higher Education Commission, www.tn.gov/thec. The University’s Keller Graduate School of Management is included in this accreditation. DeVry is certified to operate by the State Council of Higher Education for Virginia. Arlington Campus: 1400 Crystal Dr., Ste. 120, Arlington, VA 22202. DeVry University is authorized for operation as a postsecondary educational institution by the Tennessee Higher Education Commission, www.tn.gov/thec. The University’s Keller Graduate School of Management is included in this accreditation. DeVry is certified to operate by the State Council of Higher Education for Virginia. Arlington Campus: 1400 Crystal Dr., Ste. 120, Arlington, VA 22202. DeVry University is authorized for operation as a postsecondary educational institution by the Tennessee Higher Education Commission, www.tn.gov/thec. The University’s Keller Graduate School of Management is included in this accreditation. DeVry is certified to operate by the State Council of Higher Education for Virginia. Arlington Campus: 1400 Crystal Dr., Ste. 120, Arlington, VA 22202. DeVry University is authorized for operation as a postsecondary educational institution by the Tennessee Higher Education Commission, www.tn.gov/thec. The University’s Keller Graduate School of Management is included in this accreditation. DeVry is certified to operate by the State Council of Higher Education for Virginia. Arlington Campus: 1400 Crystal Dr., Ste. 120, Arlington, VA 22202. DeVry University is authorized for operation as a postsecondary educational institution by the Tennessee Higher Education Commission, www.tn.gov/thec. The University’s Keller Graduate School of Management is included in this accreditation. DeVry is certified to operate by the State Council of Higher Education for Virginia. Arlington Campus: 1400 Crystal Dr., Ste. 120, Arlington, VA 22202. DeVry University is authorized for operation as a postsecondary educational institution by the Tennessee Higher Education Commission, www.tn.gov/thec. The University’s Keller Graduate School of Management is included in this accreditation. DeVry is certified to operate by the State Council of Higher Education for Virginia. Arlington Campus: 1400 Crystal Dr., Ste. 120, Arlington, VA 22202. DeVry University is authorized for operation as a postsecondary educational institution by the Tennessee Higher Education Commission, www.tn.gov/thec. The University’s Keller Graduate School of Management is included in this accreditation. DeVry is certified to operate by the State Council of Higher Education for Virginia. Arlington Campus: 1400 Crystal Dr., Ste. 120, Arlington, VA 22202. DeVry University is authorized for operation as a postsecondary educational institution by the Tennessee Higher Education Commission, www.tn.gov/thec. The University’s Keller Graduate School of Management is included in this accreditation. DeVry is certified to operate by the State Council of Higher Education for Virginia. Arlington Campus: 1400 Crystal Dr., Ste. 120, Arlington, VA 22202. DeVry University is authorized for operation as a postsecondary educational institution by the Tennessee Higher Education Commission, www.tn.gov/thec. The University’s Keller Graduate School of Management is included in this accreditation. DeVry is certified to operate by the State Council of Higher Education for Virginia. Arlington Campus: 1400 Crystal Dr., Ste. 120, Arlington, VA 22202. DeVry University is authorized for operation as a postsecondary educational institution by the Tennessee Higher Education Commission, www.tn.gov/thec. The University’s Keller Graduate School of Management is included in this accreditation. DeVry is certified to operate by the State Council of Higher Education for Virginia.