Energy Systems AS

Program Learning Outcomes
1. Identify, measure, and analyze the major energy uses in typical business operations, focusing beyond the building and into processes.
2. Demonstrate the electrical and energy systems skills to successfully interact with builders, architects, engineers, and constructors and advise on building and systems energy use.
3. Design medium complexity solar photovoltaic or other energy system for medium size commercial buildings and processes.

Complete 60 degree applicable units along with completion of all required general education requirements. It is highly recommended that you see a counselor for specific courses that will best meet your educational plan/goals. Not all courses on the map are offered every term. Consult the Catalog and the Schedule of Classes for more details.

For information about transferring, see: https://www.dvc.edu/enrollment/transfer/index.html
For information on careers in this field see: https://www.dvc.edu/enrollment/career-employment/index.html

Careers in
• Field of alternate/renewable energy
• Installation/design/maintenance of these systems

TAKE 1
- ELECT 120 Direct Current Circuits
- ELTRN 120 Direct Current Circuits
- ENSYS 120 Introduction to Energy Systems
- ENSYS 125 Building Envelope and Systems
- ENSYS 130 Photovoltaic Systems Design and Installation
- ENSYS 230 Advanced Photovoltaic Systems

TAKE 12 UNITS
- ARCHI 207 Environmental Control Systems
- ELECT 121 Alternating Current Circuits
- ELECT 266 Electrical Codes: Articles 90-398
- ELECT 267 Electrical Codes: Articles 400-830
- ENSYS 260 Solar Photovoltaic and Thermal Installation Techniques
- CONST 110 Occupational Safety
- CONST 183 Title 24: Energy Conservation Codes
- ELECT 267 Electrical Codes: Articles 400-830

Required Elective