PROGRAM LEARNING OUTCOMES

Students completing the program will be able to:

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.

You need to see a Counselor for specific recommendations about courses that will best meet your educational 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

6-1-2021

Careers in

• Entry level positions in the fields of designing, installing, servicing/repairing and maintaining renewable/sustainable energy systems.

ENSYS Energy Systems Certificate of Achievement

TOTAL Minimum required units 26

Entry

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

PLUS at least 4 units from

ELECT 120 Direct Current Circuits

PLUS at least 12 units from

ARCHI 207 Environmental Control Systems
CONST 110 Occupational Safety
CONST 183 Title 24: Energy Conservation Codes
ELECT 121 Alternating Current Circuits
ELECT 266 Electrical Codes: Articles 90-398
ELECT 267 Electrical Codes: Articles 400-830

Required

Elective

EXIT