Careers in Engineering design in multiple disciplines

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

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

PROGRAM LEARNING OUTCOMES

1. Apply analysis tools and computer tools in problem solving.
2. Identify interdisciplinary aspects of engineering projects.
3. Apply software engineering principles and procedures.
4. Do computer algorithm development using C and C++ techniques.
5. Understand the operation and control of electrical measuring equipment.
6. Use computer programming skills to develop software for automation, decision making and control of equipment.
7. Develop test software for evaluation of digital circuits.
8. Analyze the operation of small scale digital and analog circuits.
10. Demonstrate knowledge of magnetism and its applications in the design of transformers and actuators.
11. Assemble and test digital and analog circuits from circuit diagrams.

Program: Electrical Engineering and Computer Engineering AS

Entry