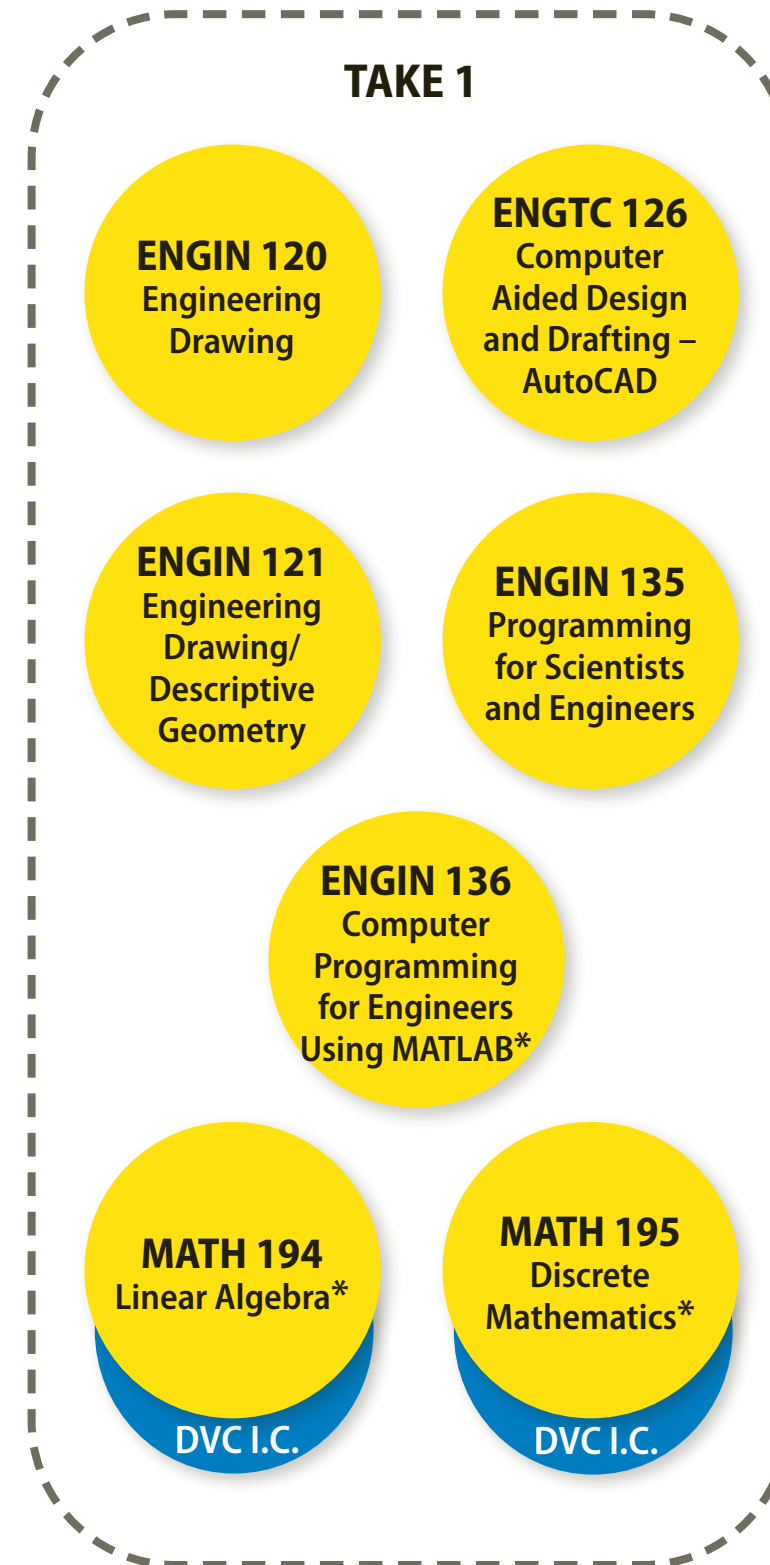
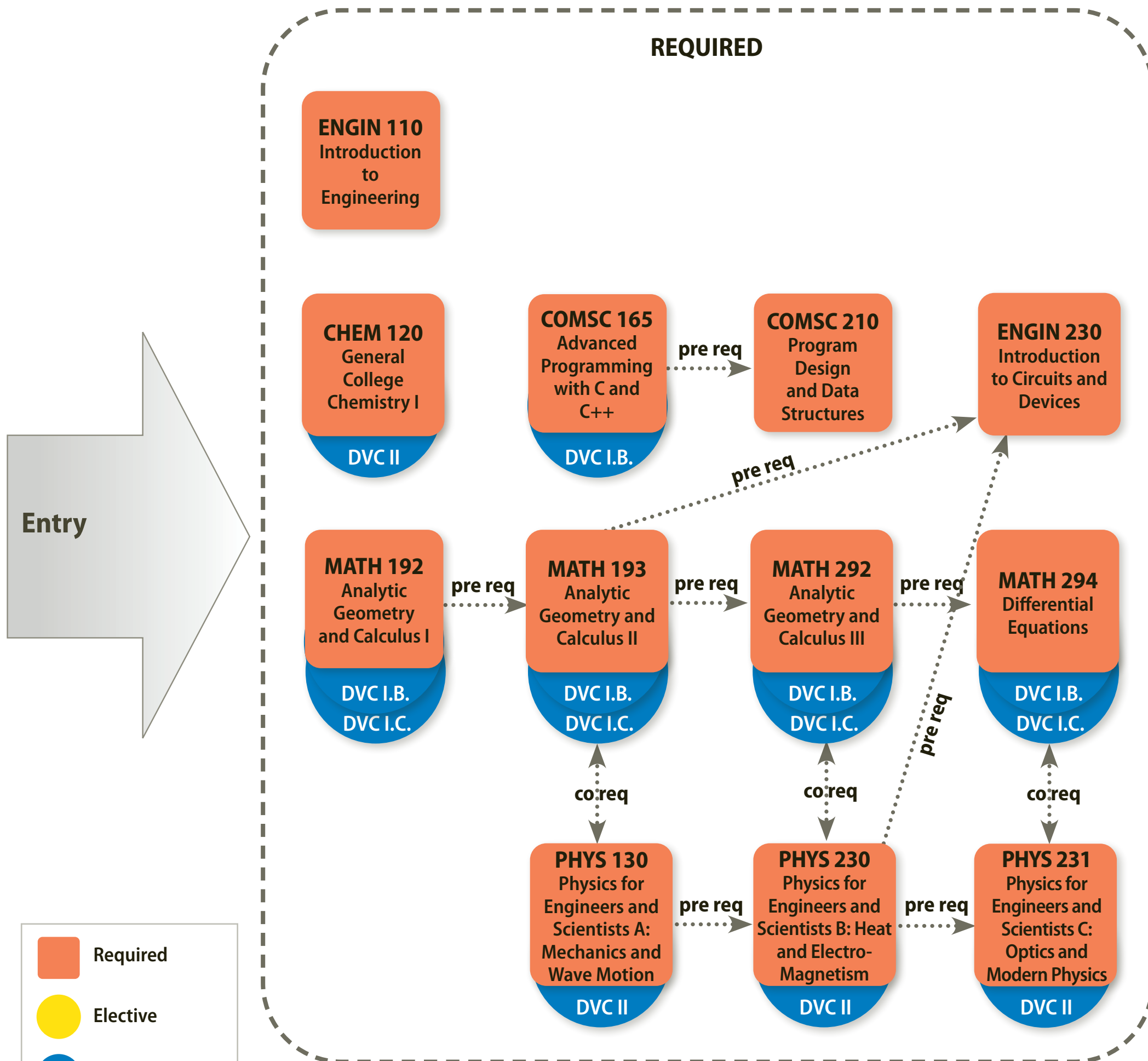
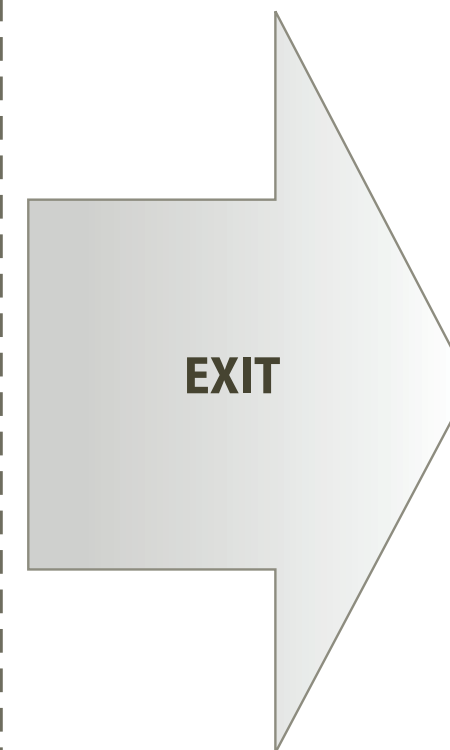


# Engineering: Electrical Engineering and Computer Engineering AS



## 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.
9. Design simple operational amplifier 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.



## Careers in

- Engineering design in multiple disciplines

- Required
- Elective
- DVC GE category
- \* This course has prerequisites.

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>