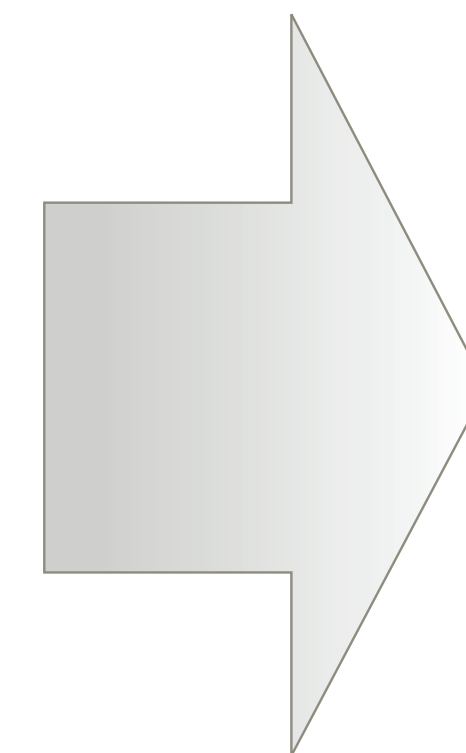
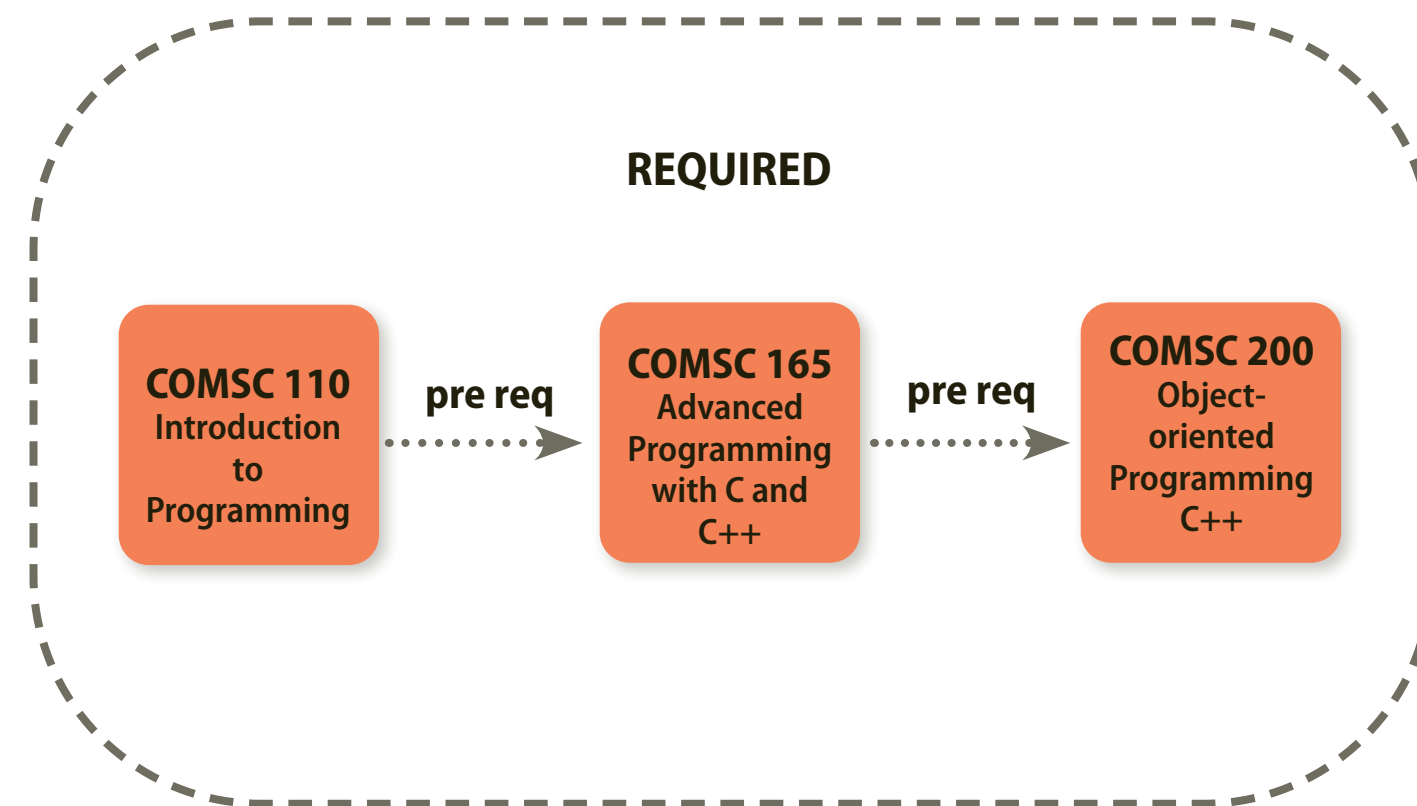
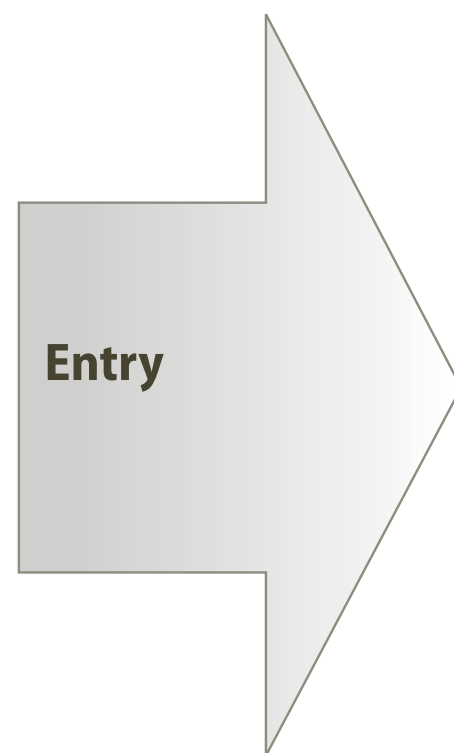


# COMSC Advanced C++ Programming Certificate of Achievement

## PROGRAM LEARNING OUTCOMES

Students completing the program will be able to:

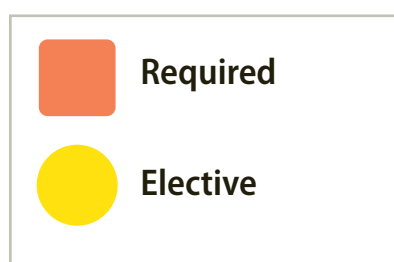
1. Identify computer components to make informed decisions when purchasing computer hardware and software.
2. Build a simple ethernet network that includes end-deices and intermediary devices.
3. Identify and implement safeguards against common attacks.
4. Identify security issues with communications, email, web, remote access, and wireless technology.
5. Differentiate between physical security, disaster recovery, and business continuity.
6. Demonstrate appropriate and ethical behavior and good work habits.
7. Identify current network threats and ramifications.
8. Troubleshoot threats and implement security methods against such threats.



## Careers in

- Programming
- Software development
- Robotics
- Computer operations

**total minimum required units 12**



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>

1-30-2021