

COMPUTER STUDIES AND INFORMATION PROCESSING, COMPUTER PROGRAMMING - CERTIFICATE



CPCT

Knight Campus, Warwick only

The Computer Programming concentration emphasizes technical coursework only, and does not require the electives needed for the associate degree option. This certificate prepares students for programming positions and gives a broader knowledge of information technology.

Note: To be awarded this certificate, students must be registered as matriculating in the Computer Studies program and successfully complete all certificate courses with a grade of C or better. Credits earned in this certificate program may be applied toward the associate degree program. Many courses require prerequisites, corequisites and/or testing. See course descriptions for details. (<https://catalog.ccri.edu/course-descriptions/>)

Certificate Requirements

Code	Title	Hours
COMI 1100	Introduction to Computers	3
COMI 1150	Programming Concepts	3
COMI 1800 or COMI 1840	Computer Networking Software Linux Microsoft Windows Server	3
COMI 2015	Introduction to Microsoft Project	1
COMP 1200	Database Design & Management	3
COMP 2430	Operating Systems	4
COMP 1230	Systems Analysis and Design ¹	4
Programming Language Sequence ²		6
Programming Language Electives (https://catalog.ccri.edu/academic-information/general-education/course-attributes/#Programming/) ³		6
COMI/COMP/CNVT ⁴		3
Total Hours		36

¹ Computer Studies Department recommends taking Systems Analysis and Design (COMP 1230) in your final semester.

² Computer Studies Department requires Programming Concepts (COMI 1150) as a prerequisite. Take a six-credit sequence of Java Programming (COMI 1510) and Advanced Java Programming (COMI 2510), **OR** Programming in C# (COMI 1225) and Advanced Programming in C# (COMI 2225).

³ Computer Studies Department recommends Programming Concepts (COMI 1150) as a prerequisite. Take six credits from programming attribute PROG. See this page (<https://catalog.ccri.edu/academic-information/general-education/course-attributes/#Programming/>).

⁴ For CNVT/COMI/COMP Electives. See this page (<https://catalog.ccri.edu/programs-study/computer-studies-information-processing/#coursestext>).

Recommended Course Sequence

Course	Title	Hours
Year 1		
Semester 1		
COMI 1100	Introduction to Computers	3
COMI 1150	Programming Concepts	3
COMI 1800 or COMI 1840	Computer Networking Software Linux or Microsoft Windows Server	3
COMI 2015	Introduction to Microsoft Project	1
Hours		10
Semester 2		
COMI 1225 or COMI 1510	Programming in C# or Java Programming	3
COMP 1200	Database Design & Management	3
Programming Language Elective (https://catalog.ccri.edu/academic-information/general-education/course-attributes/#Programming/)		3
Hours		9
Year 2		
Semester 1		
COMI 2225 or COMI 2510	Advanced Programming in C# or Advanced Java Programming	3
COMP 2430	Operating Systems	4
Programming Language Elective (https://catalog.ccri.edu/academic-information/general-education/course-attributes/#Programming/)		3
Hours		10
Semester 2		
COMP 1230	Systems Analysis and Design	4
CNVT/COMI/COMP		3
Hours		7
Total Hours		36