



COURSE OUTLINE

Course Name: Computer Science 12

Course Number: COMP 0981

Number of Credits: 4.0

Effective Date: January 2017

Course Description:

This provincial level Computer Science course is designed to teach students to analyze problems and devise algorithms or processes to solve the problems. Students will use this process to write a computer implementation of the solution and test the solution. Students will be adequately prepared for a career or program of studies where logical thought and structured design processes are required.

School or Centre:

School of Arts and Science

Year of Study:

ABE Provincial Level (Grade 12)

Course History:

New Course

Name of Replacing Course (if applicable):

Course Pre-requisites (if applicable):

Pre-calculus 11 or Foundations of Math 11 or equivalent; English 10 or equivalent; and COMP 0735 or equivalent

Course Co-requisites (if applicable):

PLAR (Prior Learning Assessment & Recognition)

No Yes (details below):

Instructional Strategies:

Option 1: Self-paced - one-to-one individualized instruction

Option 2: Class-based - lecture and small group workshops

Course Learning Outcomes:

Students will meet the learning outcomes for ABE Provincial Level Computer Science as stated in the most recent ABE Articulation Handbook.

Program Learning Outcomes:

If this course is taken as part of the ABE Provincial Certificate program, see the Program Content Guide for the program learning outcomes.

Evaluation/Grading System

Grading System	Specify if 'Other':	Specify Passing Grade:
Letter Grades		D

Components and Weighting of the Assessment/Evaluation Plan:

Type	Percentage	Evaluation Plan (provide a brief explanation for each component especially if value exceeds 35%):
Assignments	10	
Project	15	Analysis and Design
Project	20	Coding
Midterm Exam	25	Analysis and design
Final Exam	30	Coding
	Total	100

Learning Environment/Type

Instruction Type	Hours Per Instruction Type	Comments
B - Lab (Computer, Chemistry...)	96	
	Total	96

Resource Material(s):

Resources are items in addition to tuition that the student is responsible for purchasing. Course resource information will be supplied by the department/instructor.

Course Topics:

Problem Analysis
Solution Design
Data Types
Input and Output Statements
Arithmetic Expressions
Functions
Control Structures (sequence, branching, iteration)

VCC Education and Education Support Policies

There are a number of **Education** and **Education Support** policies that govern your educational experience at VCC, please familiarize yourself with them.

The policies are located on the VCC web site at:

<http://www.vcc.ca/about/governance--policies/policies/>

To find out how this course transfers, visit the BC Transfer Guide at www.bctransferguide.ca.

FOR COMMITTEE USE ONLY

Approved by Curriculum Committee:	October 25, 2016	Approved by Education Council:	
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