

Archived: September 8, 2016

## Arts, Humanities and Social Sciences Programs

# Computing Science

**Credential:**

Bachelor Degree

**Options:**

Minor

**Program Length:**

4 Years

## The Program

Computing Science is a rapidly-growing field, generating a great number of employment opportunities. Government agencies are predicting shortages of qualified computing people that will number in the tens of thousands in Canada alone.

The Bachelor of Arts with a minor in Computing Science is composed of courses drawn from the systems and business application domains. It is designed to train students in applied computing and educate them in the social, ethical and legal implications of computing.

Graduates of the program may work in fields where a well grounded knowledge in computing is necessary or advantageous. Examples include opportunities in many aspects of business, mathematics and statistics, graphic arts, music production, the video gaming industry, teaching and education, et cetera. People with interests in any of these areas would benefit from the understanding of computer systems and software gained from earning a B.A. Minor in Computer Science.

*VIU also offers a Bachelor of Science, Major and Minor in Computing Science.*

## Program Outline

Students must fulfill all the Institutional B.A. degree requirements, including Degree English Requirements and courses listed below:

Years 1 and 2	Credits
Minimum "C-" average in the following courses:	
CSCI 115* - (Web Page Techniques)	3
CSCI 160 - (Computing Science I)	4
CSCI 161 - (Computing Science II)	4
CSCI 162 - (Topics in Computing Science)	4
CSCI 260 - (Data Structures)	3
CSCI 261 - (Computer Architecture & Assembly Language)	3
CSCI 265 - (Software Engineering)	3
MATH 121 - (Calculus I)	3
MATH 123 - (Logic and Foundations)	3
<b>Total Credits</b>	<b>30</b>

\* CSCI 311 may be taken as an alternative to CSCI 115, but requires CSCI 310 as a prerequisite.

<b>Years 3 and 4</b>	<b>Credits</b>
CSCI 370 - (Database Systems)	3
CSCI 400 - (Computers and Society)	3
<i>Four</i> upper-level CSCI electives	12
<b>Total Credits</b>	<b>18</b>

Recommended Computer Science courses: CSCI 310, CSCI 311, CSCI 331, and CSCI 375.

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