

Archived: August 8, 2022

## Arts, Humanities and Social Sciences Programs

# Computer Science Honours

**Location Offered:**

Nanaimo

**Credential:**

Bachelor Degree

**Program Length:**

4 Years

## The Program

Advances in computing are at the heart of the most significant changes to our society in recent history. Computer Science abounds with exciting opportunities for a great career that can also make a difference in the world. The B.Sc. Honours in Computer Science allows students to conduct research and develop expertise, in preparation for studies beyond the undergraduate level, or for enhanced employment opportunities.

## Program Outline

**Requirements for an Honours**

Students must fulfill all the Institutional B.Sc. requirements as outlined in the Calendar, including Degree English requirements and courses listed under Years 1-4 of the Computer Science Major, and the courses listed below:

- CSCI 491 - (Senior Research), *and*
- 2 additional courses (6 credits) in Computer Science at the 300- or 400-level.

OR

- CSCI 490 - (Independent Project), *and*
- 3 additional courses in Computer Science at the 300- or 400-level, of which at least one is at the 400-level

**Recommended Electives**

- 2 x CSCI 485 (Topics in Systems)
- CSCI 422 (Advanced Algorithms)
- CSCI 375 (Introduction to Systems Analysis)
- CSCI 331 (Object-Oriented Programming)

## Completion Requirements

Honours students need an average GPA of 3.33 (B+) on all 3rd and 4th year courses taken within the Computer Science discipline in order to graduate from an Honours program.

**Residency Requirement**

Students are expected to complete all additional 12 credits at Vancouver Island University. With the approval of the appropriate Dean and under exceptional circumstances, this amount may be reduced.

## **Admission Requirements**

- A GPA of at least a 3.33 (B+) on the most recent 30 credits of study in Computer Science, or in Computer Science and Mathematics.

## **Career Opportunities**

Software Engineer, Machine Learning Specialist, Data Science (Computer Science).

## **Start Date and Application Deadline**

A student who meets the requirements for the program can apply to the Department in their third year of study. The application must include a preliminary project identification, including a supervisor within the department.

Students may apply when they register in CSCI 491: Senior Research Project or CSCI 490: Independent Project. There are no application deadlines.

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