THE UNIVERSITY OF BRITISH COLUMBIA

# UBC Curriculum Proposal Form
## UBC OKANAGAN
## Change to Course or Program

**Category: 1**

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| **Faculty**: Irving K. Barber School of Arts and Sciences<br>**Unit/Dept.:** Unit 4<br>**Faculty Approval Date:** April 3, 2007<br>**Effective Session:** Winter Session Term 2 2007 | **Date:** March 2, 2007<br>**Contact Person:** Ramon Lawrence<br>**Phone:** (250) 807-9390<br>**Email**: ramon.lawrence@ubc.ca |
| **Proposed Calendar Entry:**<br><br>**COSC 123 (3) INTRODUCTION TO COMPUTER SCIENCE**<br>**A broad introduction to computer science: hardware, software development, programming, operating systems, databases, and networks. Laboratory allows creative development with computers. Students who have previously received credit for COSC 121 cannot receive credit for COSC 123. [3-2-0]**<br>***Prerequisite:* COSC 111 or COSC 122.** | **URL: none**<br><br>**Present Calendar Entry: none**<br><br>**Type of Action:** New course<br><br>**Rationale:**<br>Offers B.A. students an introduction to computer science that presents the breadth of the field in addition to programming fundamentals. The goal is to attract more women and underrepresented groups to study computer science. This is accomplished by using pair programming to focus more on the creativity and collaborative aspects of programming instead of syntax and structure.<br><br>The course will also provide a bridge from COSC 122 to the upper-level courses in the B.Sc. and B.A. Majors in Computer Science. Currently, students who complete COSC 122 must then proceed through the regular introductory sequence of COSC 111 and COSC 121. COSC 123 presents most of the concepts of COSC 121 in a different fashion while still providing the necessary background for students interested in future computer science courses to continue with 2nd year courses. |