



Faculty of Arts & Science

# **Program Planning Guide**

**Department:** Mathematics and Computer Science

Calendar Year: 2013/2014

Name:\_\_\_\_\_

ID:

# **Major in Computer Science:**

www.uleth.ca/artsci/math-computer-science

# Faculty of Arts and Science Student Program Services:

www.uleth.ca/artsci/advising artsci.advising@uleth.ca (403) 329-5106 SU060

### **Current and Past Program Planning Guides:**

www.uleth.ca/ross/ppgs

#### **Academic Calendar:**

www.uleth.ca/ross/academic-calendar

### **Co-operative Education:**

www.uleth.ca/artsci/coop

This is a planning guide and not a graduation check or guarantee of course offerings. You should have a program check done in your final year of studies. Students are responsible for the accuracy of their own programs. The guide should be used in conjunction with the University of Lethbridge Calendar, which is the final authority on all questions regarding program requirements and academic regulations. Contact an Academic Advisor in the Faculty of Arts and Science for advising information.

# **Post-Diploma Bachelor of Science - Computer Science**

**Calendar Year - 2013/2014** 

Name:	ID:	
Post-Diploma B.Sc. Computer Science Completion of at least 20 courses (60.0 credit hours) with a grade p	point average of at least 2.00.	
Major Requirements (12 courses)	General Liberal Education Requirement (8 cours	es)
courses are offered in the 0100-1990 range. Only the first course in Greek, Japanese, Latin and Spanish. Only one of Economics 1010 and Biology 1020 will be counted toward this limit. Only one of Geo Section 3.c, Exceeding Course Limits, p. 73).	Only four courses (12.0 credit hours) in total may be counted from all conferred by a single department. See the 2013/2014 Calendar, p. 88, for moinformation.  LIST I: Fine Arts and Humanities Courses  1	uage man, 1010 rt 4,

#### **Notes**

10ne of the six additional 3000/4000-level courses may be replaced by a course from the following list:

Physics 3900 - Intermediate Experimental Physics (Series) (Digital Electronics)

Àny 3000/4000-level Mathematics course

Students may find that their diploma courses may overlap in content some course offerings in the Computer Science program. However, the offerings of the Department of Mathematics and Computer Science will often differ in focus and emphasis from diploma course offerings that bear superficially similar course descriptions. Students who have reservations about apparent duplication of offerings of Computer Science electives studied in their diploma programs are encouraged to pursue other elective offerings from the Department.

The curriculum for the post-diploma B.Sc. in Computer Science is designed to offer complementary training in Computer Science to students with previous technical training. In approving the college diploma, the Department is implicitly acknowledging that students have completed the equivalent of Computer Science 1620, Computer Science 2610, and Computer Science 2620 as part of their diploma program.

Students will be expected to have a working knowledge of the programming languages used by the Department in the delivery of Computer Science 1620 and Computer Science 2620. A student without this background will be expected to remedy any programming language deficiencies.

# Sample Sequencing Plan

Shown below is a sample sequence of courses for your degree. If you follow this plan, you should be able to graduate in two years, provided you complete five courses per semester. This is just one example of how you could complete your major and degree requirements; you may find that a different sequence works as well as this one.

Year 1, Fall

Computer Science 1820 Computer Science 2720 Computer Science 3000 level

GLER course GLER course

**Year 2, Fall**Computer Science 3740 <sup>1</sup>
Computer Science 3000/4000 level
Computer Science 3000/4000 level

GLER course GLER course Year 1, Spring

Computer Science 3615 Computer Science 3620 Computer Science 3000 level

Mathematics 2000 GLER course

Year 2, Spring

Computer Science 4000 level Computer Science 3000/4000 level

GLER course GLER course GLER course

Note: The required Mathematics cognate should be taken as early as possible (in Year One, if course scheduling permits), to derive maximum benefit from the course for the remainder of the program.

## **Terms Used**

GLER course: A course that could count toward the General Liberal Education Requirement. You may use courses in your major towards this 12-course requirement. See the 2013/2014 University of Lethbridge Calendar, Part 4 - Academic Regulations (p. 88) for complete information.

Elective: A course that you may choose freely from all those available and applicable to your program. Use courses inside or outside your major, bearing in mind any restrictions that may apply (e.g., a maximum of 24 courses from any one discipline).

Semester of offering may vary.



# www.ulethbridge.ca

artsci.advising@uleth.ca (403) 329-5106

University of Lethbridge Registrar's Office and Student Services 4401 University Drive Lethbridge, Alberta T1K 3M4