

University of  
Lethbridge



## Program Planning Guide

**Calendar Year:** 2017/2018

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

**ID:** \_\_\_\_\_

**Bachelor of Management**  
**Computer Science**

**Management Degree Programs:**

[www.uleth.ca/management/degree-and-certificate-programs](http://www.uleth.ca/management/degree-and-certificate-programs)

**Academic Calendar:**

[www.uleth.ca/ross/academic-calendar](http://www.uleth.ca/ross/academic-calendar)

**High School Admission Requirements:**

[www.uleth.ca/ross/admissions/undergrad/high-school](http://www.uleth.ca/ross/admissions/undergrad/high-school)

**Current and Past Program Planning Guides:**

[www.uleth.ca/ross/ppgs](http://www.uleth.ca/ross/ppgs)

**Co-operative Education:**

[www.uleth.ca/management/co-op](http://www.uleth.ca/management/co-op)

**Faculty of Management Advising:**

**Lethbridge**

[www.uleth.ca/management/student-advising](http://www.uleth.ca/management/student-advising)  
[undergrad.management@uleth.ca](mailto:undergrad.management@uleth.ca)  
403-329-2153  
M2060

**Calgary**

[www.uleth.ca/calgary/student-advising](http://www.uleth.ca/calgary/student-advising)  
[calgary.campus@uleth.ca](mailto:calgary.campus@uleth.ca)  
403-571-3360  
Suite S6032, 345 - 6th Avenue SE

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 Management for advising information.

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

**ID :** \_\_\_\_\_

**B.Mgt. Computer Science Degree Requirements**

Completion of at least 40 courses (120.0 credit hours) with cumulative and graduation grade point averages of at least 2.00.

**Core Requirements (17 courses)**

- \_\_\_\_\_ Economics 1010 - Introduction to Microeconomics
- \_\_\_\_\_ Economics 1012 - Introduction to Macroeconomics
- \_\_\_\_\_ Management 1000 - Introduction to Management
- \_\_\_\_\_ Management 2020 - Marketing
- \_\_\_\_\_ Management 2030 - Introduction to Organizational Behaviour
- \_\_\_\_\_ Management 2070/Economics 2070 - Operations and Quantitative Management
- \_\_\_\_\_ Management 2100 - Introductory Accounting
- \_\_\_\_\_ Management 2400 - Management Accounting
- \_\_\_\_\_ Management 3031 - Managing Responsibly in a Global Environment
- \_\_\_\_\_ Management 3040 - Finance
- \_\_\_\_\_ Management 3050 - Human Resource Management
- \_\_\_\_\_ Management 3061 - Information Systems and Management
- \_\_\_\_\_ Management 3080 - Managerial Skill Development
- \_\_\_\_\_ Management 3650 - Introduction to International Management
- \_\_\_\_\_ Management 4090 - Management Policy and Strategy
- \_\_\_\_\_ Statistics 1770 - Introduction to Probability and Statistics

**One of:**

- \_\_\_\_\_ Writing 1000 - Introduction to Academic Writing
- \_\_\_\_\_ A university English course

**Major Requirements (23 courses)**

- \_\_\_\_\_ \*Computer Science 1620 - Fundamentals of Programming I
- \_\_\_\_\_ \*Computer Science 1820 - Discrete Structures
- \_\_\_\_\_ \*Computer Science 2610 - Introduction to Digital Systems
- \_\_\_\_\_ \*Computer Science 2620 - Fundamentals of Programming II
- \_\_\_\_\_ \*Computer Science 2720 - Practical Software Development
- \_\_\_\_\_ \*Computer Science 3615 - Computer Architecture
- \_\_\_\_\_ \*Computer Science 3620 - Data Structures and Algorithms
- \_\_\_\_\_ \*Computer Science 3660 - Introduction to Database Systems
- \_\_\_\_\_ \*Computer Science 3720 - Introduction to Software Engineering
- \_\_\_\_\_ \*Computer Science 3740 - Programming Languages
- \_\_\_\_\_ \*Computer Science 3780 - Data Communications and Networking

\*Three additional 3000/4000-level Computer Science courses offered by the Department of Mathematics and Computer Science, at least one of which must be a regularly offered 4000-level course (excluding Computer Science 4850 - Topics in Computer Science, Computer Science 4980 - Applied Studies, and Computer Science 4990 - Independent Study).

- 1. \_\_\_\_\_
- 2. \_\_\_\_\_
- 3. \_\_\_\_\_

- \_\_\_\_\_ Management 3920 - Project Management
- \_\_\_\_\_ Mathematics 2000 - Mathematical Concepts

Three Fine Arts and Humanities courses chosen to ensure completion of the Liberal Education List Requirement (refer to the 2017/2018 University of Lethbridge Calendar, p. 79)

- 1. \_\_\_\_\_
- 2. \_\_\_\_\_
- 3. \_\_\_\_\_

One Social Science course chosen to ensure completion of the Liberal Education List Requirement (refer to the 2017/2018 University of Lethbridge Calendar, p. 79)

- 1. \_\_\_\_\_

Three 3000/4000-level courses offered by any faculty

- 1. \_\_\_\_\_
- 2. \_\_\_\_\_
- 3. \_\_\_\_\_

**Minor (Optional):** \_\_\_\_\_

*See the 2017/2018 Calendar, p. 223, for eligible minors.*

- 1. \_\_\_\_\_
- 2. \_\_\_\_\_
- 3. \_\_\_\_\_
- 4. \_\_\_\_\_

**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 four years, provided you complete five courses per term. 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**

Courses shown in Year 1 can be taken in Fall or Spring, excluding CPSC courses which should be taken in the order indicated (CPSC 1620 and CPSC 1820 before CPSC 2620).  
**CPSC 1620 - Fundamentals of Programming I\***  
**CPSC 1820 - Discrete Structures\***  
 ECON 1010 - Introduction to Microeconomics  
 MGT 1000 - Introduction to Management  
 STAT 1770 - Introduction to Probability and Statistics

**Year 2, Fall**

CPSC 2720 - Practical Software Development\*  
 MATH 2000 - Mathematical Concepts  
 MGT 2030 - Introduction to Organizational Behaviour  
 MGT 2400 - Management Accounting  
 Fine Arts & Humanities Course

**Year 3, Fall**

**CPSC 3615 - Computer Architecture\***  
**CPSC 3620 - Data Structures and Algorithms\***  
 MGT 3031 - Managing Responsibly in a Global Environment<sup>1</sup>  
 MGT 3061 - Information Systems and Management<sup>1</sup>  
 MGT 3080 - Managerial Skill Development

**Year 4, Fall**

**MGT 3920 - Project Management**  
**CPSC 3780 - Data Communications and Networking\***  
 CPSC 3000/4000 level\*  
 CPSC 3000/4000 level\*  
 Elective - 3000/4000 level

**Year 1, Spring**

Courses shown in Year 1 can be taken in Fall or Spring, excluding CPSC courses which should be taken in the order indicated (CPSC 1620 and CPSC 1820 before CPSC 2620).  
**CPSC 2620 - Fundamentals of Programming II\***  
 ECON 1012 - Introduction to Macroeconomics  
 MGT 2100 - Introductory Accounting  
 One of: WRIT 1000 or a university English course  
 Fine Arts & Humanities Course

**Year 2, Spring**

CPSC 2610 - Introduction to Digital Systems\*  
 MGT 2020 - Marketing  
 MGT 2070/ECON 2070 - Operations and Quantitative Management  
 MGT 3040 - Finance  
 Fine Arts & Humanities Course

**Year 3, Spring**

**CPSC 3660 - Introduction to Database Systems\***  
**CPSC 3740 - Programming Languages\***  
 MGT 3050 - Human Resource Management<sup>1</sup>  
 MGT 3650 - Introduction to International Management<sup>1</sup>  
 Social Science Course

**Year 4, Spring**

MGT 4090 - Management Policy and Strategy  
**CPSC 3720 - Introduction to Software Engineering\***  
 CPSC 3000/4000 level\*  
 Elective - 3000/4000 level  
 Elective - 3000/4000 level

**Courses in bold must be taken in the sequence indicated.**

1. This course may be taken as part of Integrated Management (IME) instead of as a stand-alone course. IME allows students to apply their theoretical knowledge as they study through live cases and projects. See [uleth.ca/management/man-cbp/ime](http://uleth.ca/management/man-cbp/ime) for more information and to apply.

**Prerequisites & Corequisites**

Check prereqs and coreqs in the current Academic Calendar or Timetable for each course before registering.

**Liberal Education List Requirement (Lib Ed Requirement)**

12 Liberal Education courses are required and built into the program as follows:

- 4 List I - Fine Arts & Humanities
- 4 List II - Social Science
- 4 List III - Science

**Introductory Course Limit**

Not more than 12 courses (36 credit hours) may be completed at the 1000 level (or lower) for credit toward the degree.

**Residence Requirement**

Students must complete at least 20 courses at the University of Lethbridge, including 10 Management courses at the 3000/4000 level; Computer Science majors can also use 3000/4000-level Computer Science courses to meet this requirement.

**Minimum Grade Requirement**

A minimum grade of 'C-' is required in ECON 1010; ECON 1012; STAT 1770; WRIT 1000 OR a university English course; all Management courses; and all courses marked with an asterisk (\*) in order to meet degree requirements.

**Activity Course Limit**

Not more than 6 credit hours in Activity courses (labelled PHAC and MUSE) may be taken for credit towards the degree.

**Time Limit for Degree**

All degree requirements must be completed within 10 years after acceptance into the Faculty of Management.

**Repeated Courses**

Submit a 'Repeated Course Form' through the Registrar's Office for each repeated course so only the most recent attempt is calculated in the GPA.

**Sequencing**

Courses in this major may not be offered every term. Consult timetables and academic advisors.



**[www.ulethbridge.ca](http://www.ulethbridge.ca)**

[inquiries@uleth.ca](mailto:inquiries@uleth.ca)  
(403) 329-2762

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

