

University of  
Lethbridge



## Program Planning Guide

**Calendar Year:** 2020/2021

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

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

# Bachelor of Management Computer Science

**Management Degree Programs:**

[www.uleth.ca/dhillon/study/degrees](http://www.uleth.ca/dhillon/study/degrees)

**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/dhillon/student-experience/co-operative-education](http://www.uleth.ca/dhillon/student-experience/co-operative-education)

**Dhillon School of Business Advising:**

**Lethbridge**

[www.uleth.ca/dhillon/student-support/advising](http://www.uleth.ca/dhillon/student-support/advising)  
[dhillon.advising@uleth.ca](mailto:dhillon.advising@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 Dhillon School of Business 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
- \_\_\_\_\_ Management 3920 - Project Management
- \_\_\_\_\_ Mathematics 2000 - Mathematical Concepts

\*Three additional 3000 or 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. \_\_\_\_\_

**Electives:**

**Note:** *Minor courses may fill electives where applicable.*

Three Fine Arts and Humanities electives chosen to ensure completion of the Liberal Education List Requirement (refer to the 2020/2021 University of Lethbridge Calendar, p. 71)

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

One Social Science elective chosen to ensure completion of the Liberal Education List Requirement (refer to the 2020/2021 University of Lethbridge Calendar, p. 71)

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

Three 3000 or 4000-level electives

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

**Sample Sequencing Plan**

Shown below is a sample sequence of courses for your degree. Consult timetables for course offerings, prerequisites, and corequisites before registering each term. Pay particular attention to underlined courses which may have limited offerings at your campus.

<p><b>Year 1, Fall</b></p> <ul style="list-style-type: none"> <li>* CPSC 1620 - Fundamentals of Programming I</li> <li>ECON 1010 - Introduction to Microeconomics</li> <li>MGT 1000 - Introduction to Management</li> <li>MGT 2020 - Marketing</li> <li>STAT 1770 - Introduction to Probability and Statistics</li> </ul> <p><b>Year 2, Fall</b></p> <ul style="list-style-type: none"> <li>* CPSC 2610 - Introduction to Digital Systems</li> <li>MGT 2400 - Management Accounting</li> <li>MGT 3031 - Managing Responsibly in a Global Environment</li> <li>MGT 3061 - Information Systems and Management</li> <li>MGT 3650 - Introduction to International Management</li> </ul> <p><b>Year 3, Fall</b></p> <ul style="list-style-type: none"> <li>* <u>CPSC 2720 - Practical Software Development</u></li> <li>* <u>CPSC 3615 - Computer Architecture</u></li> <li>* CPSC 3620 - Data Structures and Algorithms</li> <li>MATH 2000 - Mathematical Concepts</li> <li>Elective - Social Science</li> </ul> <p><b>Year 4, Fall</b></p> <ul style="list-style-type: none"> <li>* <u>CPSC 3720 - Introduction to Software Engineering</u></li> <li>* CPSC 3000/4000 level<sup>1</sup></li> <li><u>MGT 3920 - Project Management</u></li> <li>Elective - 3000/4000 level</li> <li>Elective - Fine Arts &amp; Humanities</li> </ul>	<p><b>Year 1, Spring</b></p> <ul style="list-style-type: none"> <li>* CPSC 1820 - Discrete Structures</li> <li>ECON 1012 - Introduction to Macroeconomics</li> <li>MGT 2030 - Introduction to Organizational Behaviour</li> <li>MGT 2100 - Introductory Accounting</li> <li>One of: WRIT 1000 or a university English course</li> </ul> <p><b>Year 2, Spring</b></p> <ul style="list-style-type: none"> <li>* CPSC 2620 - Fundamentals of Programming II</li> <li>MGT 2070/ECON 2070 - Operations and Quantitative Management</li> <li>MGT 3040 - Finance</li> <li>MGT 3050 - Human Resource Management</li> <li>MGT 3080 - Managerial Skill Development</li> </ul> <p><b>Year 3, Spring</b></p> <ul style="list-style-type: none"> <li>* <u>CPSC 3660 - Introduction to Database Systems</u></li> <li>* <u>CPSC 3740 - Programming Languages</u></li> <li>* <u>CPSC 3780 - Data Communications and Networking</u></li> <li>Elective - 3000/4000 level</li> <li>Elective - Fine Arts &amp; Humanities</li> </ul> <p><b>Year 4, Spring</b></p> <ul style="list-style-type: none"> <li>* CPSC 3000/4000 level<sup>1</sup></li> <li>* CPSC 4000 level<sup>1</sup></li> <li>MGT 4090 - Management Policy and Strategy</li> <li>Elective - 3000/4000 level</li> <li>Elective - Fine Arts &amp; Humanities</li> </ul>
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1. This course requirement cannot be filled with CPSC 4850, CPSC 4980, or CPSC 4990.

Students are responsible for familiarizing themselves with program requirements and regulations outlined in the University of Lethbridge Calendar including, but not limited to:

**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, including courses cross-listed with Management; and all courses in the major marked with an asterisk (\*) in order to meet degree requirements.

**Limit on Introductory-Level Courses**

Not more than 12 courses may be completed at the 1000 level (or lower) for credit towards the degree, excluding Activity courses (PHAC and MUSE) and courses numbered 0520 to 0530.

**Maximum Number of Activity Courses**

Not more than six credits in Activity courses 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 Dhillon School of Business.

**Residence Requirement**

Students must successfully complete at least 20 courses at the U of L, including 10 MGT courses at the 3000/4000 level.

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

12 Lib Ed courses are required as follows: 4 List I Fine Arts & Humanities; 4 List II Social Science; 4 List III Science. Lib Ed requirements not filled by core or major courses are specified above (e.g. Elective - Fine Arts & Humanities).

Only 4 courses from one discipline (e.g. ECON, MGT, MUSI) and only 4 courses from EDUC, ABHL, ADCS, HLSC, NURS, PUBH, TREC, and MGT may be counted toward the Lib Ed List Requirement. Cross-listed courses count toward both limits (e.g. MGT 2070/ECON 2070 counts as both a MGT and an ECON).



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

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