

University of  
Lethbridge



## Program Planning Guide

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

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

Calendar Year: 2022/2023

### Dhillon School of Business Degree Programs:

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

### Academic Calendar:

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

### High School Admission Requirements:

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

### Current and Past Program Planning Guides:

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

### Co-operative Education:

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

### Dhillon School of Business Advising:

#### Lethbridge

[www.ulethbridge.ca/dhillon/student-support/advising](http://www.ulethbridge.ca/dhillon/student-support/advising)

[dhillon.advising@uleth.ca](mailto:dhillon.advising@uleth.ca)

403-329-2153

M2060

#### Calgary

[www.ulethbridge.ca/calgary/student-advising](http://www.ulethbridge.ca/calgary/student-advising)

[calgary.advising@uleth.ca](mailto:calgary.advising@uleth.ca)

403-571-3360

Suite S6032, 345 - 6th Avenue SE

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

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 ([www.ulethbridge.ca/ross/academic-advising](http://www.ulethbridge.ca/ross/academic-advising)) for advising information.

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

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

**Program 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 (18 Courses)**

- \_\_\_\_\_ Economics 1010 - Introduction to Microeconomics
- \_\_\_\_\_ Economics 1012 - Introduction to Macroeconomics
- \_\_\_\_\_ Management 1500 - Fundamentals of Business
- \_\_\_\_\_ Statistics 1770 - Introduction to Probability and Statistics
- \_\_\_\_\_ Marketing 2020 - Marketing
- \_\_\_\_\_ Human Resources and Labour Relations 2030 - Introduction to Organizational Behaviour
- \_\_\_\_\_ Management 2070/Economics 2070 - Operations and Quantitative Management
- \_\_\_\_\_ Management 2081 - Professional Communications Skills
- \_\_\_\_\_ Accounting 2100 - Introductory Accounting
- \_\_\_\_\_ Accounting 2400 - Management Accounting
- \_\_\_\_\_ Management 3031 - Managing Responsibly in a Global Environment
- \_\_\_\_\_ Finance 3040 - Finance
- \_\_\_\_\_ Human Resources and Labour Relations 3050 - Human Resource Management
- \_\_\_\_\_ International Management 3650 - Introduction to International Management
- \_\_\_\_\_ Management 4090 - Management Policy and Strategy

**One of:**

- \_\_\_\_\_ Management 3062 - Information Systems and Data Analytics
- \_\_\_\_\_ Accounting 3171 - Accounting Information Systems and Data Analytics
- \_\_\_\_\_ Management 3622 - Visual Analytics

**One of the following with Indigenous content, to meet a Liberal Education List requirement:**

- \_\_\_\_\_ Any course from the Indigenous Governance and Business Management (IGBM) subject codes list
- \_\_\_\_\_ Any course from the Indigenous Studies (INDG) subject codes list
- \_\_\_\_\_ Aboriginal Health 1000 - Introduction to Aboriginal Health
- \_\_\_\_\_ Art History 3152 - Indigenous Art History (Series)
- \_\_\_\_\_ Blackfoot 1000 - Introductory Spoken Blackfoot
- \_\_\_\_\_ Blackfoot 2210 - Structure of the Blackfoot Language
- \_\_\_\_\_ Cree 1000 - Introductory Spoken Cree
- \_\_\_\_\_ Cree 2210 - Structure of the Plains Cree Language
- \_\_\_\_\_ Liberal Education 1850 - Conversational Indigenization: Reconciling Reconciliation
- \_\_\_\_\_ Political Science 3215 - Indigenous Peoples and Local Government in Canada

**One of:**

- \_\_\_\_\_ Final grade of 80% or higher in AB high school English Language Arts 30-1 (or equivalent 5-credit course)
- \_\_\_\_\_ Successful completion of a writing challenge test (see information found at [www.ulethbridge.ca/dhillon/advising-faqs](http://www.ulethbridge.ca/dhillon/advising-faqs))
- \_\_\_\_\_ Writing 1000 - Introduction to Academic Writing
- \_\_\_\_\_ English 1900 - Introduction to Language and Literature

**Note:** Students who meet the writing requirement through the high school grade or the challenge exam will need to substitute a Fine Arts and Humanities elective for Writing 1000 or English 1900.

**Major Requirements (22 Courses)**

- \_\_\_\_\_ Management 3920 - Project Management
- \_\_\_\_\_ \* 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
- \_\_\_\_\_ 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:**

\_\_\_\_\_ Two Fine Arts and Humanities electives chosen to ensure completion of the Liberal Education List Requirement (refer to the 2022/2023 University of Lethbridge Calendar, p. 81)

1. \_\_\_\_\_
2. \_\_\_\_\_

\_\_\_\_\_ Four 3000 or 4000-level electives

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

*\*A minimum grade of 'C-' is required in these courses to meet degree requirements.*  
**Note:** The Dhillon School of Business has an additional residence requirement of ten 3000 or 4000-level Dhillon School of Business courses; an exception applies to Computer Science majors who can also use 3000 or 4000-level Computer Science courses to meet this requirement.

*If the 'Indigenous content' elective does not have a Fine Arts and Humanities designation, an additional Fine Arts and Humanities elective will need to be added to the program requirements in order to meet the Liberal Education requirement.*

**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 (ie. once a year, term other than shown, or alternating years).

<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 1500 - Fundamentals of Business</li> <li>MKTG 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>ACCT 2400 - Management Accounting</li> <li>* CPSC 2610 - Introduction to Digital Systems</li> <li>HRLR 3050 - Human Resource Management</li> <li>IMGT 3650 - Introduction to International Management</li> <li>MGT 3031 - Managing Responsibly in a Global Environment</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 3660 - Introduction to Database Systems</u></li> <li>* <u>CPSC 3780 - Data Communications and Networking</u></li> <li>MATH 2000 - Mathematical Concepts</li> <li>One of: ACCT 3171, MGT 3062, or <u>MGT 3622</u></li> </ul> <p><b>Year 4, Fall</b></p> <ul style="list-style-type: none"> <li>* <u>CPSC 3740 - Programming Languages</u></li> <li>* CPSC 3000/4000 level<sup>3</sup></li> <li>MGT 3920 - Project Management</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>ACCT 2100 - Introductory Accounting</li> <li>* CPSC 1820 - Discrete Structures</li> <li>ECON 1012 - Introduction to Macroeconomics</li> <li>HRLR 2030 - Introduction to Organizational Behaviour Writing Requirement<sup>1</sup></li> </ul> <p><b>Year 2, Spring</b></p> <ul style="list-style-type: none"> <li>* CPSC 2620 - Fundamentals of Programming II</li> <li>FINC 3040 - Finance</li> <li>MGT 2070/ECON 2070 - Operations and Quantitative Management</li> <li>MGT 2081 - Professional Communications Skills</li> <li><u>Indigenous Content Requirement<sup>2</sup></u></li> </ul> <p><b>Year 3, Spring</b></p> <ul style="list-style-type: none"> <li>* <u>CPSC 3615 - Computer Architecture</u></li> <li>* CPSC 3620 - Data Structures and Algorithms</li> <li>* <u>CPSC 3720 - Introduction to Software Engineering</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>3</sup></li> <li>* CPSC 4000 level<sup>3</sup></li> <li>MGT 4090 - Management Policy and Strategy</li> <li>Elective - 3000/4000 level</li> <li>Elective - 3000/4000 level<sup>2</sup></li> </ul>
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1. Students who achieved a final grade of 80% or higher in AB high school English Language Arts 30-1 (or equivalent 5-credit course) or who have successfully completed a writing challenge test (see information found at [www.ulethbridge.ca/dhillon/advising-faqs](http://www.ulethbridge.ca/dhillon/advising-faqs)) must take a Fine Arts & Humanities course. All other students must complete Writing 1000 or English 1900.
2. Refer to the list of Indigenous Content courses in the preceding core requirements. Students who take an Indigenous Content course that does not have a Fine Arts and Humanities designation must replace one 3000/4000 level elective with a Fine Arts and Humanities.
3. 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 all Dhillon School of Business courses (ACCT, AGEM, FINC, HRLR, IGBM, IMGT, MGT, and MKTG) and courses cross-listed with Dhillon School of Business courses; ECON 1010; ECON 1012; STAT 1770; WRIT 1000, or ENGL 1900; 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 Dhillon School of Business courses at the 3000/4000 level. Computer Science majors can use 3000/4000 CPSC courses taken at the U of L toward the Dhillon School of Business residence requirement.

**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 ABHL, ACCT, ADCS, AGEM, EDUC, FINC, HLSC, HRLR, IGBM, IMGT, MGT, MKTG, NURS, PUBH, or TREC 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)**

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

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

