



# PROGRAM PLANNING GUIDE

ID: 

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



## Bachelor of Management as a Second Degree

### Computer Science



Computer science is a science that has revolutionized the world and advances are being made constantly. Computer science spans theory and practice, and requires you to think and problem solve in abstract and concrete terms. As a computer science major you will get a broad technical knowledge that will allow you to tackle difficult problems using a variety of hardware, software and programming languages, as well as learn to communicate your expertise to others. Among the areas you'll study are programming, digital systems, database management systems, data structures and computer architecture.

#### What determines my program requirements?

Please refer to the Academic Calendar ([www.ulethbridge.ca/ross/academic-calendar](http://www.ulethbridge.ca/ross/academic-calendar)) for complete program information.

**Calendar Year:** 2024/2025 - Your calendar year is set to the academic year you are admitted (or readmitted) and you should follow the requirements for that year for the duration of your program.

**Faculty/School:** Dhillon School of Business ([www.ulethbridge.ca/dhillon](http://www.ulethbridge.ca/dhillon)) - An internationally accredited AACSB business school

**Program(s):** Bachelor of Management

**Major(s):** Computer Science

**Minor:** A defined set of courses, designed to provide depth in a particular discipline, study in an interdisciplinary area, or focus on a theme-related topic. To learn more about optional minors see [www.ulethbridge.ca/ross/minors](http://www.ulethbridge.ca/ross/minors).

#### Am I admissible to this program?

**Admission:** [www.ulethbridge.ca/ross/admissions/undergrad](http://www.ulethbridge.ca/ross/admissions/undergrad)

**Transfer:** [www.ulethbridge.ca/ross/transfer-resources](http://www.ulethbridge.ca/ross/transfer-resources)

#### When/How do I apply to the University?

**Deadlines:** [www.ulethbridge.ca/ross/admissions/undergrad/deadlines](http://www.ulethbridge.ca/ross/admissions/undergrad/deadlines)

**Step-by-Step:** [www.ulethbridge.ca/ross/admissions/step-by-step](http://www.ulethbridge.ca/ross/admissions/step-by-step)

#### Where can I find information on courses?

**Course Catalogue:** [www.ulethbridge.ca/ross/courses](http://www.ulethbridge.ca/ross/courses)

**Registration Guide:** [www.ulethbridge.ca/ross/registration-guide](http://www.ulethbridge.ca/ross/registration-guide)

#### When can I register for classes?

**Register early!** (March for Summer and Fall; November for Winter)

**Registration Dates:** [www.ulethbridge.ca/ross/registration-dates](http://www.ulethbridge.ca/ross/registration-dates)

#### How can I enhance my program?

**Career Bridge:** [www.ulethbridge.ca/career-bridge](http://www.ulethbridge.ca/career-bridge)

**Honours Thesis:** [www.ulethbridge.ca/ross/undergraduate-thesis](http://www.ulethbridge.ca/ross/undergraduate-thesis)

**Student Professional Development:**

[www.ulethbridge.ca/dhillon/student-experience/student-professional-development](http://www.ulethbridge.ca/dhillon/student-experience/student-professional-development)

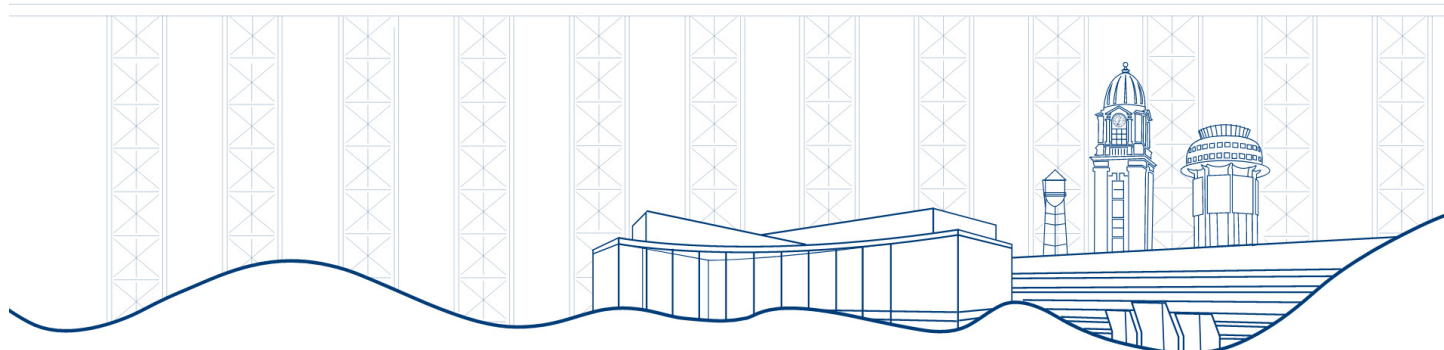
#### What supports are available to students?

**Student Services:** [www.ulethbridge.ca/campus-life/student-services](http://www.ulethbridge.ca/campus-life/student-services)

**Student Success Centre:** [www.ulethbridge.ca/student-success-centre](http://www.ulethbridge.ca/student-success-centre)

**Accessible Learning:** [www.ulethbridge.ca/ross/alc](http://www.ulethbridge.ca/ross/alc)

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





## Required courses and notes

Previous Degree: \_\_\_\_\_

Institution: \_\_\_\_\_

AGPA: \_\_\_\_\_

AWARDED: \_\_\_\_\_

### General Requirements

Students must meet the academic standards, program requirements, and graduation requirements according to the regulations set by the Dhillon School of Business, and as outlined in the Calendar including, but not limited to:

\_\_\_\_\_ 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; Economics 1010; Economics 1012; Statistics 1770; Writing 1000 or English 1900; and all courses in the major marked with an asterisk (\*) in order to meet degree requirements.

\_\_\_\_\_ Successful completion of 15-25 courses (45.0-75.0 credit hours) with a cumulative and graduation grade point average (GPA) of at least 2.00. To determine graduation grade point averages, see **Dhillon School of Business, Graduation** in the 2024/2025 University of Lethbridge Calendar, [www.ulethbridge.ca/ross/academic-calendar](http://www.ulethbridge.ca/ross/academic-calendar).

1. Second degree programs will be developed individually and will be a maximum of 25 courses in length.
2. Courses completed as part of a first degree may be used to waive course requirements in the B.Mgt. as a second degree. Such waivers will be decided at the time of admission by the Dhillon School of Business advising office. Course materials requested for further assessment must be submitted to the Dhillon School of Business advising office by the last day of the student's first term. Any request for reassessment of course waivers must also be made by the last day of the student's first term. Please refer to Academic Schedule to determine the last day of the term. Students who change to another major after admission will need to have their program reassessed and may be required to complete additional courses for the new major.

\_\_\_\_\_ 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 15 courses at the University of Lethbridge, including 10 Dhillon School of Business courses at the 3000/4000 level. Computer Science majors can use 3000 or 4000-level Computer Science courses to meet the Dhillon School of Business 3000/4000 level residence requirement.

### Core Requirements (14 Courses)

- \_\_\_\_\_ 1. Economics 1010 - Introduction to Microeconomics
- \_\_\_\_\_ 2. Management 1500 - Fundamentals of Business
- \_\_\_\_\_ 3. Statistics 1770 - Introduction to Probability and Statistics
- \_\_\_\_\_ 4. Human Resources and Labour Relations 2030 - Introduction to Organizational Behaviour
- \_\_\_\_\_ 5. Management 2070/Economics 2070 - Operations and Quantitative Management
- \_\_\_\_\_ 6. Management 2081 - Professional Communications Skills
- \_\_\_\_\_ 7. Accounting 2100 - Introductory Accounting
- \_\_\_\_\_ 8. Accounting 2400 - Management Accounting
- \_\_\_\_\_ 9. Management 3031 - Managing Responsibly in a Global Environment
- \_\_\_\_\_ 10. Finance 3040 - Finance
- \_\_\_\_\_ 11. Human Resources and Labour Relations 3050 - Human Resource Management

\_\_\_\_\_ 12. International Management 3650 - Introduction to International Management

\_\_\_\_\_ 13. Management 4090 - Management Policy and Strategy

\_\_\_\_\_ 14. **One of the following with Indigenous content:**

\_\_\_\_\_ 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 2210 - Structure of the Plains Cree Language

\_\_\_\_\_ Liberal Education 1850 - Conversational Indigenization: Reconciling Reconciliation

\_\_\_\_\_ Political Science 3215 - Indigenous Peoples and Local Government in Canada

### Major Requirements (11 Courses)

\_\_\_\_\_ 15. **One of:**

\_\_\_\_\_ <sup>1</sup>Accounting 3171 - Accounting Information Systems and Data Analytics

\_\_\_\_\_ Finance 3600 - Machine Learning in Business and Finance

\_\_\_\_\_ Finance 3620 - Blockchain Applications in Business Management 3062 - Information Systems and Data Analytics

\_\_\_\_\_ Management 3622 - Visual Analytics

\_\_\_\_\_ Management 3920 - Project Management

\_\_\_\_\_ \* Computer Science 3660 - Introduction to Database Systems

\_\_\_\_\_ \* Computer Science 3720 - Introduction to Software Engineering

\_\_\_\_\_ \* Computer Science 3780 - Data Communications and Networking

\_\_\_\_\_ 16. \* Computer Science 1620 - Fundamentals of Programming I

\_\_\_\_\_ 17. \* Computer Science 1820 - Discrete Structures

\_\_\_\_\_ 18. \* Computer Science 2610 - Introduction to Digital Systems

\_\_\_\_\_ 19. \* Computer Science 2620 - Fundamentals of Programming II

\_\_\_\_\_ 20. \* Computer Science 2720 - Practical Software Development

\_\_\_\_\_ 21. \* Computer Science 3615 - Computer Architecture

\_\_\_\_\_ 22. \* Computer Science 3620 - Data Structures and Algorithms

\_\_\_\_\_ 23. \* Computer Science 3740 - Programming Languages

\_\_\_\_\_ 24. Mathematics 2000 - Mathematical Concepts

\_\_\_\_\_ 25. \* One 4000-level Computer Science course offered by the Department of Mathematics and Computer Science, 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).

### Notes

\* A minimum grade of 'C-' is required in these courses to meet degree requirements.

<sup>1</sup> Students should be aware that this course has prerequisites which may require taking courses extra to their program requirements.



## Recommended Course Sequence

Shown below is the recommended sequence of courses for your degree. Consult timetables for course offerings, prerequisites, and corequisites before registering each term as some courses may have limited offerings (ie. once a year, alternating years, or only offered in the Fall or Winter terms). Consult with an Academic Advisor in your faculty if you wish to alter this sequence with regard to the specifically listed courses.

**Note that this sequence was prepared based on course scheduling at the time of publication and may change during your studies.**

### First Year (Term 1)

- Accounting 2100
- \* Computer Science 1620
- Economics 1010
- Management 1500
- Statistics 1770

### First Year (Term 2)

- Accounting 2400
- \* Computer Science 1820
- Human Resources and Labour Relations 2030
- Management 2070/Economics 2070
- Management 2081

### Second Year (Term 1)

- \* Computer Science 2610
- \* Computer Science 2620
- Finance 3040
- Mathematics 2000
- Management 3031

### Second Year (Term 2)

- \* Computer Science 2720
- \* Computer Science 3615
- \* Computer Science 3620
- \* Computer Science 3740
- Human Resources and Labour Relations 3050

### Third Year (Term 1)

- <sup>1</sup> Computer Science Elective
- \*<sup>2</sup> Computer Science 4000 level
- International Management 3650
- Management 4090
- <sup>3</sup> Indigenous Content Requirement

1. Refer to the 'One of' list of courses in the preceding major requirements.
2. Excluding Computer Science 4850, Computer Science 4980, and Computer Science 4990.
3. Refer to the list of Indigenous Content courses in the preceding core requirements.

## Final Program Check

Request a Final Program Check at [www.ulethbridge.ca/dhillon/final-program-check](http://www.ulethbridge.ca/dhillon/final-program-check) by December 1 (April completers) or by April 1 (June, August, & December completers) and after registering in your final term.

Program requirements with _____ (majors, minors, concentrations)	
<input type="checkbox"/> will be met upon successful completion of _____ currently enrolled courses	<input type="checkbox"/> have been met
U of L GPA: _____ Grad GPA: _____ Co-op: _____ Honours Thesis: _____	
Advisor: _____ Date: _____	Advisor: _____ Date: _____