University of
Lethbridge

FIAT LUX

Program Planning Guide

Current and past Program Planning Guides are available on the
UofL website at www.uleth.ca/ross/ppgs/ppg.html

Calendar Year: 2011/2012

Faculty: Arts & Science - Year 1

Management - Years 2, 3, & 4

The Bachelor of Management degree in Computer Science requires a minimum of 40 courses.

Admission

Admission to the Faculty requires completion of the following ten Year 1 courses (30.0 credit hours) with a minimum cumulative grade point average at or above the current admission cut-off (admission is guaranteed at 2.50 and above):

- Economics 1010 - Introduction to Microeconomics
- Economics 1012 - Introduction to Macroeconomics
- Statistics 1770 - Introduction to Probability and Statistics
- Seven Arts and Science or Fine Arts courses (21.0 credit hours)

Students should examine the course sequencing on the reverse side of this Program Planning Guide in order to include the appropriate courses in Year 1. Admission to Management programs is based on all academic achievement prior to admission. Students who intend to enter the Faculty of Management must submit an Application form before the deadline. Refer to www.uleth.ca/ross/admissions/deadlines.html.

About Management Minors

The Faculty of Management offers minors in First Nations Governance, Information Systems, International Management, New Media, Social Responsibility, and Supply Chain Management. In some cases, achievement of the minor and a chosen major will require a student to take extra courses. Students may not declare a minor in the same subject as their major. For students who complete all the requirements, the minor will be acknowledged on the official transcript (see Part 11 - Faculty of Management, Section 12, in the 2011/2012 UofL Calendar).

Campuses

The Faculty of Management offers programs on three campuses: Calgary, Edmonton, and Lethbridge. On the Lethbridge campus, students can pursue all programs and majors offered by the Faculty of Management. The Calgary and Edmonton campuses serve adult learners who may be in the work force wanting to further their education. These campuses offer the B.Mgt., Post-Diploma B.Mgt., second degree in Management, the PDA, and other Management Certificates. Combined Degrees programs (B.A./B.Mgt., B.Sc./B.Mgt., B.Mgt./B.Ed., and Post-Diploma B.Mgt./B.Ed.) cannot be completed in their entirety on the Calgary or Edmonton campuses, and all Combined Degrees applicants will be assigned to the Lethbridge campus (see Part 11 - Faculty of Management, Section 4, in the 2011/2012 UofL Calendar). The following majors may be completed on the Calgary and Edmonton campuses: Accounting, Finance, General Management, Human Resource Management and Labour Relations, International Management, and Marketing. For all other majors, contact the campus offices.

Lethbridge Campus
Phone: 403-329-2153
Email: undergrad.management@uleth.ca

Calgary Campus
Phone: 403-571-3360
Email: calgary.campus@uleth.ca

Edmonton Campus
Phone: 780-424-0425
Email: edmonton.campus@uleth.ca

Core Requirements:

Economics 1010 - Introduction to Microeconomics
Economics 1012 - Introduction to Macroeconomics
Management 2030 - Introduction to Organizational Behaviour
Management 2060 - Introduction to Information Technology
Management 2100 - Introductory Accounting
Management 2400 - Management Accounting
Management 3020 - Marketing
Management 3031 - Managing Responsibly in a Global Environment
Management 3040 - Finance
Management 3050/Political Science 3420 - Human Resource Management
Management 3061 - Information Systems and Management
Management 3080 - Managerial Skill Development
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

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 3740 - Programming Languages

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).

Management 3821 - Visual Programming Applications
Mathematics 2000 - Mathematical Concepts

One of:
Computer Science 3660 - Introduction to Database Systems
Management 3830 - Contemporary Database Applications

One of A or B:
A. Computer Science 3720 - Introduction to Software Engineering, and
Computer Science 3780 - Data Communications and Networking

OR
B. Management 4840 - Systems Analysis, and
Management 4841 - Systems Design

Three Fine Arts and Humanities courses chosen to ensure completion of the General Liberal Education Requirement (refer to the 2011/2012 University of Lethbridge Calendar, p. 85)

One Social Science course chosen to ensure completion of the General Liberal Education Requirement (refer to the 2011/2012 University of Lethbridge Calendar, p. 85)

Three 3000/4000-level courses offered by any faculty

Two additional non-Management electives

Bachelor of Management - Computer Science

Below is a suggested sequence plan for the B.Mgt. Computer Science program.

Prerequisites and corequisites as of 2011/2012 are given in parentheses below each applicable course; where more than one prerequisite/corequisite is required, items are separated by semi-colons. Check the current Calendar/Timetable for current prerequisites and corequisites.

Year 1 — FALL (Sept - Dec)

*CPSC 1620 - Fundamentals of Programming I
(PREREQs: One of Pure MATH 30 or MATH 30[1])

*CPSC 1820 - Discrete Structures
(PREREQs: One of Pure MATH 30 or MATH 30[1])

One of: ECON 1010 - Introduction to Microeconomics
ECON 1012 - Introduction to Macroeconomics

Fine Arts & Humanities Course

Social Science Course

Year 1 — SPRING (Jan - Apr)

*CPSC 2620 - Fundamentals of Programming II
(PREREQs: CPSC 1620; One of CPSC 1820 or MATH 1410)

One of: ECON 1010 - Introduction to Microeconomics
ECON 1012 - Introduction to Macroeconomics

STAT 1770 - Introduction to Probability and Statistics
(PREREQs: One of Pure MATH 30 or MATH 30[1])

One of: WRIT 1000 or a university English course

Fine Arts & Humanities Course

Year 2 — FALL (Sept - Dec)

*CPSC 2720 - Practical Software Development
(PREREQs: CPSC 2620)

MGT 2030 - Introduction to Organizational Behaviour
(PREREQs: One of WRIT 1000 or a university English course; 2nd-year standing)

MGT 2060 - Introduction to Information Technology[2]

MGT 2100 - Introductory Accounting

Fine Arts & Humanities Course

Year 2 — SPRING (Jan - Apr)

*CPSC 2610 - Introduction to Digital Systems
(PREREQs: CPSC 1620; One of CPSC 1820 or MATH 1410)

MATH 2000 - Mathematical Concepts
(PREREQs: see current Calendar)

MGT 2400 - Management Accounting
(PREREQs: MGT 2100; One of WRIT 1000 or a university English course)

Elective - Non-Management

Elective - Non-Management

Year 3 — FALL (Sept - Dec)

*CPSC 3615 - Computer Architecture
(PREREQs: CPSC 2610; CPSC 2620)

*CPSC 3740 - Programming Languages
(PREREQs: CPSC 2620; MATH 2000)

*CPSC 3000/4000 level

MGT 3061 - Information Systems and Management
(PREREQs: MGT 2030; MGT 2060)

MGT 3821 - Visual Programming Applications
(PREREQs: CPSC 1620)

Year 3 — SPRING (Jan - Apr)

*CPSC 3620 - Data Structures and Algorithms
(PREREQs: CPSC 1820; CPSC 2620)

One of: *CPSC 3660 - Introduction to Database Systems
(PREREQs: CPSC 2620; One of GEOG 3740 or MATH 2000)
MGT 3830 - Contemporary Database Applications
(COREQs: One of CPSC 1620 or MGT 3061)

MGT 3020 - Marketing

MGT 3031 - Managing Responsibly in a Global Environment
(PREREQs: One of WRIT 1000 or a university English course)

MGT 3040 - Finance
(PREREQs: ECON 1010; ECON 1012; MGT 2400; STAT 1770)

Year 4 — FALL (Sept - Dec)

MGT 3050/POLI 3420 - Human Resource Management
(PREREQs: One of POLI 2410 or MGT 2030; One of WRIT 1000 or a university English course)

MGT 3080 - Managerial Skill Development

One of: *CPSC 3780 - Data Communications and Networking
(PREREQs: CPSC 2620)
MGT 4840 - Systems Analysis[3]
(PREREQs: MGT 3830; 4th-year standing)

*CPSC 3000/4000 level

Elective - 3000/4000 level

Year 4 — SPRING (Jan - Apr)

MGT 4090 - Management Policy and Strategy
(PREREQs: 4th-year standing; MGT 3020; MGT 3031; MGT 3040; MGT 3050/POLI 3420; MGT 3061)

One of: *CPSC 3720 - Introduction to Software Engineering
(PREREQs: CPSC 2720)
MGT 4841 - Systems Design[3]
(PREREQs: MGT 3821; MGT 4840)

*CPSC 3000/4000 level

Elective - 3000/4000 level

Elective - 3000/4000 level

Notes

IMPORTANT: Prerequisites and corequisites are subject to change annually. Consult the current Calendar or Timetable.

1. Instead of Pure Mathematics 30 or Mathematics 30, students may use UofL's Mathematics 0500, or both Applied Mathematics 30 and a minimum grade of 75% in Athabasca University's Mathematics 101.
2. Students pursuing a B.Mgt. degree must take Management 2060 instead of Computer Science 1000. Management 2060 is substantially similar to Computer Science 1000 (refer to the 2011/2012 University of Lethbridge Calendar, Part 4, Section 3.c., Exceeding Course Limits, p. 71).
3. Choose A or B: A. CPSC 3720 & CPSC 3780 or B. MGT 4840 & MGT 4841.

Minimum Grade Requirement

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

1000-Level Limit

Not more than 10 courses may be taken at the 0100/1000 level for credit toward the degree.

Residence Requirement

All students must complete at least 20 University of Lethbridge courses, 10 of which must be 3000/4000-level Management courses. Computer Science majors can also use 3000/4000-level Computer Science courses to meet this requirement.

Repeated Courses

You are allowed to repeat a course. Only your most recent attempt will be calculated in the GPA. Students who have repeated a course must submit a 'Repeated Course Form' (available at the Registrar's Office and Student Services [ROSS]).

Sequencing

Courses in this major may not be offered every semester. Students should consult current timetables.

Students may opt to take Summer Session courses which may reduce the overall length of time required to complete the degree.

Sequencing of courses will vary for part-time students.