Computer Information Technology

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PROGRAM OVERVIEW

Success in information technology includes programming skills and much more. Our two-year diploma program in Computer Information Technology gives you the grounding in business, communications and technology that you need in order to manage and build information systems.

Accredited by the Canadian Information Processing Society (CIPS), our intensive, integrated program will show you how information systems actually work. Working in small teams, you'll tackle hands-on projects ranging from trouble-shooting hardware to software development, networking, web development, e-commerce, and information systems management. You will balance these technology skills with course work in business and communications, and we'll give you the opportunity to demonstrate your abilities in practical projects. You will work on web development for a not-for-profit organization and spend time in a workplace-based practicum with an organization of your choice. And, you finish the program with a real-life system project for a real-life client.

Managing information has never been more important and information technology professionals have never been more in demand. With its comprehensive introduction to the industry and its opportunities, our diploma in Computer Information Technology won't just show you how to build an information system – it will show you how to build a career.

CAREER OPPORTUNITIES
- Programmer Analyst
- Software Developer
- Database Designer/Developer
- Software Testing Specialist
- Information Systems Project Manager
- Business and Systems Analyst
- Web Developer and Administrator
- Network Analyst/Technician
- IT Support Specialist
- Computer Service Technician
- GIS Developer
- Mobile App Developer

ADMISSIONS

New students are accepted into the Computer Information Technology program for the Fall (September) term. Students wishing to commence in the Winter (January) term may take courses in a revised sequence based on course availability. This admission results in a five-term curriculum for the completion of the diploma.

GENERAL ADMISSION REQUIREMENTS

All applicants must meet the general admission requirements for Lethbridge College programs, as indicated in the Admission section of this calendar.

ACADEMIC REQUIREMENTS

In addition to meeting the general admission requirements indicated in the Admission section of this calendar, applicants to this program must also satisfy the following specific course requirements (or equivalencies):
- Grade 12 math (equivalent to Alberta's Math 30-2 or a higher level math)

Note: Due to workload in this program, students are encouraged to evaluate their external commitments or consult with an advisor about alternate program sequencing. Students who plan to continue their studies through various university programs may be required to take specific electives. Please see information under "Transfers" for specifics.

A number of physical education courses are allowed in recognition of the need to promote a healthy lifestyle.

PRACTICUM EXPERIENCE REQUIREMENTS

There is a required practicum component to this program. The College dictates the legal terms and conditions governing the practicum experience.

INDUSTRY SUITABILITY

Prospective students should be aware of the following job-related physical demands: standing or sitting for long periods of time, intense visual concentration, and some lifting and carrying.

YOUR INVESTMENT

Program fees will vary. To view fee information for your program, go to www.lethbridgecollege.ca/programs and select your program.

CURRICULUM

Year 1 Term I		Learning Credits
BUS 1170	Introduction to Management	3
CIT 1152	Computer Hardware Maintenance	3
CIT 1154	Computer Programming I	3
CIT 1157	HTML and Web Publishing	3
MTH 1152	Mathematics for CIT	3
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Year 1 Term II		
CIT 1156	Computer Programming II	3
CIT 1158	Computer Networking I	3
CIT 1163	Database Management Systems	3
CIT 2268	User-Centred Interface Design	3
ENG 1168	Business Communication *	3
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* The combination of ENG-1156 and PRS-1155 is considered an acceptable alternative for ENG-1168.

Year 2 Term I		
ACC 1170	Financial Accounting I	3
CIT 2255	Computer Networking II	3
CIT 2265	Web Programming	3
CIT 2270	IT Integration Seminar	1.5
CIT 2275	Systems Analysis and Design I	3
Approved Elective		3
(One elective must be CIT 2260 or CIT 2269)		
		16.5

Year 2 Term II		
CIT 2259	Computer Networking III	3
CIT 2262	Operating Systems Theory	1.5
CIT 2263	Introduction to Linux	1.5
CIT 2271	IT Fieldwork	3
CIT 2276	Systems Analysis and Design II	3
MKT 1188	Introduction to Marketing	3
Approved Elective		3
(One elective must be CIT 2260 or CIT 2269)		
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Computer Information Technology Continued

YEAR 2 APPROVED ELECTIVES

Learning Credits

Course	Title	Credits
ACC 1175	Financial Accounting II	3
ACC 2250	Management Accounting I	3
ACC 2271	Intermediate Financial Accounting I	3
ACC 2278	Computerized Accounting for Management	3
BUS 1166	Business Law	3
BUS 1168	Management Communication	3
BUS 1176	Financial Planning	3
BUS 1177	Entrepreneurship	3
*BUS 2268	Organizational Behavior	3
BUS 2275	International Business	3
BUS 2278	Industrial & Labor Relations	3
CIT 2260	Algorithms and Problem Solving	3
CIT 2269	Mobile App Development	3
CMM 1185	The Principles of Animation	3
COM 1155	Customer and Team Relations	1.5
COM 1157	Professional Communication	3
COM 1158	Leadership Communication Skills	1.5
COM 1159	Applied Interpersonal Communication	3
COM 1162	Interpersonal Relationships and Communication (OL)	3
CPU 1165	Designing Spreadsheet Applications	3
DES 1155	Graphic Design	3
ECN 1180	Microeconomics	3
ECN 2253	Macroeconomics	3
HUM 1150	Logic	3
HUM 1155	Ethics (OL)	3
HUM 1158	Creative Problem-Solving	3
HUM 1165	Introduction to Archaeology	3
HUM 1180	Introduction to World Religions (OL)	3
HUM 1190	Popular Culture	3
HUM 1195	Cultural Anthropology	3
IND 2251	Independent Study	1.5
IND 2252	Independent Study	1.5
PED 1160	Weight Training and Exercise	1.5
PED 1162	Intro to Leisure Activities & Sports	1.5
PED 1170	Volleyball	1.5
PED 1173	Basketball	1.5
PRS 1155	Speech (OL)	3
STS 2250	Statistics	3

* BUS 2268 is required for students wishing to transfer to the University of Lethbridge Bachelor of Management program.

(OL) indicates courses which are also available through Online Learning.

GRADUATION
Upon successful completion of all program requirements, students are awarded a Computer Information Technology Diploma.

TRANSFERS
University of Lethbridge
Graduates of Lethbridge College's CIT diploma are eligible to receive two years' credit towards a University of Lethbridge Post Diploma Bachelor of Science (Computer Science) degree, provided that a cumulative grade point average of at least 2.5 is achieved in the CIT program. Students will be required to take an additional 20 courses at the U of L. In order to access this program, students are encouraged to complete CIT 2260 at the College.

Graduates of Lethbridge College's CIT diploma are eligible to receive two years' credit towards a University of Lethbridge Post Diploma Bachelor of Management degree, provided that a cumulative grade point average of at least 3.0 is achieved in the CIT program. Students will be required to take an additional 25 courses at the U of L. Please see an Academic Advisor, and visit www.uleth.ca for more information.

Athabasca University
Graduates of Lethbridge College's CIT program are eligible to receive up to 60 credits towards a Bachelor of Science in Computing and Information Systems (Post-Diploma) or Bachelor of Science (Post-Diploma) degree. Graduates are eligible to receive 30 credits towards a three or four-year Bachelor of Management (Post-Diploma) degree. Visit www.athabascau.ca for more information.

University of Calgary
Graduates of a two-year diploma program will be awarded up to 5 full junior course options.

NAIT
Graduates of the Computer Information Technology Diploma program with a minimum grade point average of C+ or 2.3 on standard grading scales will be conditionally accepted into the BTech (Bachelor of Technology in Technology Management) degree program. Applicants for transfer of credit under this Agreement shall complete all of the requested application procedures of NAIT including, but not limited to, written statements outlining personal objectives, career goals, letters of reference, work experience and community involvement, and such other information as may be requested and used by NAIT to determine whether the applicant complies with the requirements as set out or intended.

Griffith University - Queensland, Australia
Graduates of Lethbridge College's Computer Information Technology program are eligible to transfer credit towards the completion of a Bachelor of Information Technology Degree at Griffith University, located in Australia. This degree can be completed at Griffith in three (3) semesters. Please visit www.griffith.edu.au/credit for more information.

Minot University, North Dakota
CIT graduates are eligible to receive two years transfer credit towards a Bachelor of Applied Science majoring in Business Information Technology from Minot University.