

**NORTHERN LIGHTS COLLEGE
REGISTRAR'S OFFICE
PROGRAM INFORMATION AND COMPLETION GUIDE**

Program Name: Information Technology
Credential/Certification: Diploma in Interactive and Digital Technologies
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Program Description: The Diploma in Interactive and Digital Technologies prepares graduates to work in the growing information technology industry that combines internet, multimedia, networking, and software technologies, management and marketing skills.

Admission Requirements:

A. Domestic students and students from countries that practice Standard Written English (see Appendix A) must have official transcripts demonstrating that they have met the English Requirements: One of the following with a "C" grade or higher: English 12 or English Literature 12 or English First Peoples 12, ENGL 050, or ENGL 099.

Alternatively, any university-level English course with a "C" grade or higher. Students who do not meet one of the above English requirements must complete the NLC Writing Assessment for appropriate course placement.

B. International students who do not meet the requirement A. above, and domestic students who received their secondary education in French or another language, must show that they have met the NLC English requirement: see Appendix A (General Academic English Language Proficiency Requirements [hyperlink](#)).

C. Math Requirement: One of the following with a 'C' grade (60%) or higher: Pre-calculus 11, Principles of Mathematics 11, Foundations of Math 11, MATH 040, or equivalent. Alternatively, readiness for MATH 050 as determined by the CCP Math appraisal.

*Note that some University Arts and Sciences elective courses have specific prerequisites. Meeting the entrance requirements for the University Arts and Sciences program does not ensure course prerequisites have been met for all available courses.

Length of Program: (weeks and total hours)

Four academic semesters (60 weeks) with a minimum of 945 hours in total. Students are required to complete this program within a four year period from the start date due to the technical and changing nature of many of the program courses.

Program Intake: (start/finish dates)

Planned alternating year intakes in Fall semester.

*Please note that part-time learners may start the program in the Winter or Spring semester. However, the semester break down is based on a student beginning their program in the Fall semester. Students starting in other semesters should consult with the course catalogue in Borealis and with a Program Advisor when selecting courses. and should be aware that program completion may take longer than than the standard two years due to required course offering schedules and program progression and due to pre-requisites for some courses.

Available Seats: N/A

Application Deadline:

Last day for late registration as indicated in the NLC Calendar.

International students should contact students@international.nlc.bc.ca for deadlines specific to their situation

Career Prospects:

Employment opportunities include:

- Animation in the entertainment industry
- Application design
- Game design
- Information technology technician in industry and service companies

Affiliations/Partnerships:

Academic courses transfer as per the BC Transfer Guide <http://www.bctransferguide.ca>.

Location: Fort St. John Campus

Additional Requirements/Supplies: (fees, supplies, materials)

This program has specific computer requirements; please refer to the Interactive and Digital Technologies Diploma program page on the NLC website for the current minimum requirements.

Lab fees may apply to science and technology courses.

Eligibility for Canada Student Loans: (Yes or No)

Yes, for domestic students. No, for international students.

Required Minimum Grade: (overall and/or minimum within a course)

C (60%) cumulative GPA; D (50%) minimum in a course.

Residency Requirement: (percentage of courses which must be taken at NLC)

50%; note that a minimum 60% or 'C' grade (60%) is required for courses to be considered for transfer into this program. The age of the course will also be considered in course transfer.

Required Courses: (list courses required to complete credential and total hours for each course)

Semester 1:

ENGL 110: Introduction to Workplace Communications (3 credits; 45 hrs)

ITEC 112: Foundations of Web Development (3 credits; 45 hrs)

ITEC 150: Small Computer Systems: Organization and Architecture (3 credits; 60 hrs)

MGMT 104: Principles of Management (3 credits; 45 hrs)

Open Elective

Semester 2:

ENGL 230: Technical Writing (3 credits; 45 hrs)

ITEC 210: Database Design (3 credits; 45 hrs)

ITEC 220: Object Oriented programming with Java (3 credits; 45 hrs)

MGMT 107: Introduction to Marketing (3 credits; 45 hrs)

MGMT 217: Business Systems and Analysis and Design (3 credits; 45 hrs)

Semester 3:

ITEC 225: Android Mobile Application Development (3 credits; 45 hrs)

ITEC 235: Computer Graphics and Animation for the Web (3 credits; 45 hrs)

ITEC 245: iOS Application Development (3 credits; 45 hrs)

MGMT 450: Project Management (3 credits; 45 hrs)

Open Elective

Semester 4:

ITEC 255: Human Computer Interactions (3 credits; 45 hrs)

ITEC 290: Project Based Field Experience (3 credits; 90 hrs)

*ITEC 243: Introduction to Cloud Computing (3 Credits; 45 hours)

Open Elective

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Students can use elective choice to add employable skills or specializations as follows, or for optimizing course transfer to programs at degree granting institutions:

Systems Administration:

ITEC 241: Data Communication and Network Infrastructure (3 credits; 45 hrs)

ITEC 251: Cyber Security Analysis (3 Credits; 45 hrs)

Entrepreneurship:

MGMT 210: Advertising and Promotion (3 credits; 45 hrs)

MGMT 219: Entrepreneurship (3 credits; 45 hrs)

Additional suggested electives:

COMM 301: Organizational Communications (3 credits; 45 hrs)

MATH 115: Introductory Discrete Math (3 credits; 45 hrs)

PHIL 110: Logic and Critical Thinking (3 credits; 45 hrs)

PSYC 224: Organizational Behaviour (3 credits; 45 hrs)

*Students with credit for ITEC 320 are exempt from taking ITEC 243