

# Internet Application Developer

This three-year program is a comprehensive training program designed to include introductory courses for those without previous computer experience. It places emphasis on programming, Internet development, systems analysis and design, management and program development of database management systems.

Students will receive hands-on experience using the latest technologies. They will receive the skill set needed to obtain entry-level positions in the Information Technology sector. Emphasis is placed on soft skills and working in a team environment. Students complete a work term to enable them to become aware of and build on the skill set required to obtain a job in the market place.

## OBJECTIVES

1. To provide students with a broad understanding of the fundamental computer skills necessary to work effectively and efficiently in the Information Technology industry.
2. To develop skills for effective communication, a capacity for leadership, teamwork, and co-operation in problem solving.
3. To develop skills for problem solving and programming in desktop, enterprise, and Internet environments.
4. To develop skills for database creation, management, and security.
5. To develop quality assurance and project management skills.
6. To develop the required skills to effectively analyze, write, and maintain secure, customized computer applications based on user requirements.

## ENTRANCE REQUIREMENTS

Comprehensive Arts and Science Certificate (College Transition program) with the following courses:

1. Math Fundamentals I and II

### OR

High School Graduation Certificate with a 60% overall average in the following:

1. Language (1 credit) (minimum 60%) chosen from: 3101, 3102, 3103, 3112, 3172, 3192, 4121

### OR

English (2 credits) (minimum 60%) chosen from: 3201, 3211, 3202, 3212, 3231, 3232, 3281, 3282, 3291, 3292

2. Mathematics (2 credits) chosen from:

Advanced: 3201, 3211, 3221, 3231, 3271, 3281, 3291,

4225 (minimum 50%)

Academic: 3203, 3200, 3210, 3230, 3270, 3280, 3290 (minimum 60%)

### OR

Mathematics (4 credits) chosen from:

Advanced: 2205, 3205 (minimum 50% in each course)  
Academic: 2204 (50% minimum), 3204 (60% minimum)

3. Additional credits at the 3000 level – chosen from any of the remaining 3000 level courses offered in the Senior High Program:

six credits at the 3000 level for those who complete a Language course

### OR

five credits at the 3000 level for those who complete an English course.

### OR

A Grade XI public examination pass with a 60% average including a 60% pass in Language and Matriculation Mathematics or 50% in Honours Math.

### OR

Adult Basic Education (Level III) Graduation including the following courses:

1. Communications IC3211, IC3112 plus ONE of IC3116, IC3215, IC3321, or IC3222.
2. Mathematics from one of the following sections:
  - a. IM3212, IM3213 and IM3216
  - b. IM3219

### OR

Adult Basic Education (Level III) Graduation with Business-Related College Profile including the following courses:

1. English 3101A, 3101B, 3101C
2. Mathematics 1104A, 1104B, 1104C, 2104A, 2104B, 2104C, 3104A, 3104B, 3104C

Applicants with Adult Basic Education (Level III) Graduation with a different Profile may be eligible for admission to the program provided the appropriate selection of courses including those outlined above have been completed.

### OR

Persons 19 years of age or older, who have been out of school for at least one year and do not meet the educational prerequisite for this program, may be considered on an individual basis under the Mature Student Clause.

## DIPLOMA

- Three years
- September 2010 start
- Corner Brook Campus

**NOTE:** The first year of this program is offered every alternate year.

## COURSES

CODE	TITLE	Hrs/wk		
		Cr	Le	La
<b>Semester 1</b>				
CM1320	Workplace Writing	3	3	0
MC1800	Software Applications I	4	3	2
CP1910	Internet Fundamentals	3	2	2
MA1900	Problem Solving for Information Technology	4	4	1
CR1100	Network Fundamentals	4	3	2
EP1160	Introduction to Business Functions	3	3	1
<b>Semester 2</b>				
CM1400	Technical Report Writing I	3	3	0
MC1801	Software Applications II	3	2	3
CP1920	Computer Hardware & Troubleshooting I	4	3	2
CP1830	Programming I	5	4	4
CP1310	Windows Server Administration	4	3	2
<b>Semester 3</b>				
MA1910	Introduction to Numerical Problem Solving	4	3	2
EP1170	Business Information Fundamentals	3	3	1
CP1831	Programming II	4	3	3
CM2200	Oral Communications	2	2	0
CP1930	Introduction to Systems Analysis & Design	5	4	2
Elective		2-3hrs/wk		
<b>Semester 4</b>				
CP2830	Programming III	4	3	2
CP3410	Fundamentals of Database Design	4	4	1
CP1940	Website and Web Server Development	4	3	2
CM2300	Report Writing	2	2	0
CP1950	Object Oriented Development with UML	4	3	3
Elective		2-3hrs/wk		
<b>Semester 5 (Intersession)</b>				
CP1960	Microcomputer Database Programming	4	3	2
CP1970	Introduction to Java for Experienced O-O Programmers	4	3	3
<b>Semester 6</b>				
WT1180	Work Term	P/F		
<b>Semester 7</b>				
CP2370	Multi-User Database Programming	4	3	3
CP1951	Systems Project III	4	2	5
CP1980	Website Scripting	3	2	2
CP2831	Programming IV	4	3	2
CP1971	Java II	4	3	3
<b>Electives</b>				
CP2190	Unix	2	1	2
HR2400	Professional Development	P/F	2	1
MR1210	Customer Service	2	2	0
CR1200	Computer Security	3	3	0
MM1950	Work Place Professionalism	3	3	0
LW2400	E-Business Law and Regulations	3	3	0
MR2630	E-Commerce Trends	3	3	0
SD1450	E-Business Career Development	2	2	0

