

# Web Site Administrator

The Web Site Administration program is a two-year diploma program which trains students to effectively choose, install, configure, and administer a WWW server – for UNIX or Windows NT.

Graduates will have knowledge and skills in CGI scripting, server configuration, multi-honed Web servers, access control, database integration, firewalls, proxy servers, web server software, web page design, HTML, Java, and PERL programming, and web site maintenance.

The development of communication and interpersonal skills in a team environment contributes to the base of experience needed to become a web site administrator.

### EMPLOYMENT OPPORTUNITIES

Graduates of this program will find employment as Webmasters, Web Site Administrators, Web Developer/Designer, Webmaster Specialist, Certified Web Technician, Web Page Producer, and Web Programmer.

### 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

Grade XI Public Examinations pass or equivalent with a 60% average including a 60% pass in language, 60% in Matriculation Math, or 50% pass in Honours Mathematics.

#### OR

Adult Basic Education (Level III) Graduation indicating completion of the academic stream 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, IM3216.

b. IM3219

#### OR

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

1.English 3101A, 3101B, 3101C or 3102A, 3102B, 3102C, 3104A, 3104B, 3104C

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 requirements, may be considered on an individual basis under the Mature Student Clause.

## DIPLOMA

- Two years
- Start date varies
- Through @College Distributed Learning Service (DLS)

### COURSES

| CODE              | TITLE                            | Hrs/wk | Cr | Le | La |
|-------------------|----------------------------------|--------|----|----|----|
| <b>Semester 1</b> |                                  |        |    |    |    |
| CM2100            | Workplace Correspondence         |        | 3  | 3  | 0  |
| CP1120            | Fundamentals of Programming      | 6      | 5  | 3  |    |
| CP2190            | Unix                             | 2      | 1  | 2  |    |
| CR1100            | Networking Fundamentals          | 4      | 4  | 0  |    |
| MA1500            | Mathematics for Computer Studies | 4      | 4  | 0  |    |
| MC1150            | Productivity Tools               | 4      | 3  | 2  |    |

|                   |                                 |   |   |   |  |
|-------------------|---------------------------------|---|---|---|--|
| <b>Semester 2</b> |                                 |   |   |   |  |
| CM2300            | Report Writing                  | 2 | 2 | 0 |  |
| CP1330            | Windows Server Administration   | 4 | 3 | 3 |  |
| CP2510            | Unix Management                 | 3 | 2 | 2 |  |
| CP3410            | Fundamentals of Database Design | 4 | 4 | 1 |  |
| CR1500            | Website Development             | 3 | 2 | 2 |  |
| MM2500            | Computer Graphics I (2D)        | 3 | 2 | 2 |  |

|                   |                             |   |   |   |  |
|-------------------|-----------------------------|---|---|---|--|
| <b>Semester 3</b> |                             |   |   |   |  |
| CP1400            | Website Analysis and Design | 3 | 2 | 2 |  |
| CP2460            | CGI Programming             | 3 | 2 | 2 |  |
| MM1950            | Workplace Professionalism   | 3 | 3 | 0 |  |

Intersession course hours per week are doubled to accommodate the six-week period. Credit value is based on a fifteen-week semester.

|                   |  |   |   |   |  |
|-------------------|--|---|---|---|--|
| <b>Semester 4</b> |  |   |   |   |  |
| CM2200            | Oral Communications                              | 2 | 2 | 0 |  |
| CP2280            | Introduction to Object-Oriented Java Programming | 4 | 3 | 3 |  |
| CP2440            | Web Server I                                     | 3 | 2 | 3 |  |
| CP2480            | Microcomputer Database Programming               | 4 | 3 | 3 |  |
| CR1450            | TCP/IP   | 3 | 3 | 1 |  |

|                   |                                    |   |   |   |  |
|-------------------|------------------------------------|---|---|---|--|
| <b>Semester 5</b> |                                    |   |   |   |  |
| CR1200            | Computer Security                  | 3 | 3 | 0 |  |
| CP2170            | Windows Server Management          | 4 | 3 | 3 |  |
| CP2450            | Web Server II (Apache)             | 3 | 2 | 3 |  |
| CP2610            | Scripting Language                 | 4 | 3 | 2 |  |
| CR1550            | Website Trends                     | 2 | 1 | 3 |  |
| PR2110            | Project Course                     | 2 | 0 | 6 |  |
| SD1140            | Business General Knowledge Seminar |   |   |   |  |

|                   |           |  |  |  |     |
|-------------------|-----------|--|--|--|-----|
| <b>Semester 6</b> |           |  |  |  |     |
| WC1330            | Work Term |  |  |  | P/F |

The intent of the Business General Knowledge Seminar is for students to gain a basic level of understanding for business line functions and processes. Students are encouraged to participate fully so that the essence of an applicable IT business operation can be properly outlined and discussed. The topical presentation and interactions are meant to introduce students to a variety of business dimensions, sufficient for them to gain a familiarity with the terms of applications found in the IT business world.

