Network Switching and Routing

Microcredential Part-time <u>School of Energy</u>

Overview

Delivery: online. <u>See details</u>.

This microcredential will focus on switching technologies and router operations that are needed to support small-to-medium business networks including wireless local area networks (WLANs) and security concepts. Students will learn key switching and routing concepts, perform basic network configuration and troubleshooting, identify, and mitigate LAN security threats, and configure and secure a basic WLAN.

Entrance Requirements

Application processing

Ongoing throughout the year.

Recommended for success

- Successful completion of the <u>Essentials of Data Networks (EDN) [1]</u> microcredential, or a course on Introductory Networking that covers 80% or more of the EDN learning objectives.
- Students are recommended to have some hands-on experience with networking equipment.

International applicants

This program is available to international applicants who will complete the program from outside Canada or who currently have a <u>valid status in Canada [2]</u> other than study permit. International applicants accepted into this program are not eligible for a study permit.

Apply to program

Formal application to the microcredential is not required. Upon successful completion of the <u>courses</u>, email the <u>program contact</u> with your full name, student number, and mailing address to be issued a microcredential.

Scheduled Intakes

Ongoing Flexible Learning (Part-time Studies) intakes: <u>January, April, and September. [3]</u>

Costs & Supplies

Tuition fees

Flexible Learning (Part-time Studies) tuition is charged on a course-by-course basis. Please see the <u>Flexible Learning Tuition & Fees [4]</u> page for more information on domestic and international tuitions.

Courses

Class hours

9:00 am to 12:00 pm

Program matrix

Check current availability of courses [5] for this program.

Required Courses:		Credits
XINC 2220 [6]	VLAN Switching and Redundancy	3.0
XINC 2230 [8]	Network Security, Routing and Wireless	3.0
Total Credits:		**6.0**

Check current availability of courses [10] for this program.

Digital badge information

For information on how to obtain your course and/or microcredential digital badge, please review our Frequently Asked Questions [11] page.

Transfer credit

Do you have credits from another BC/Yukon post-secondary school? Do you want to know if they transfer to courses here at BCIT? Check out BCIT's Transfer Equivalency Database [12] to find out.

Program Details

Program length

Students have two years to complete the program.

Grading

Minimum passing grade for each course is 50%.

Program delivery

Online: This program is delivered fully online.

Program location

Online Learning [13]

Continue your education

This microcredential will be considered for credit for INCS 1110 [14] in combination with the Essentials of Data Networking [15] Microcredential.

Faculty, Advisors & Staff

Faculty

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Programs and courses are subject to change without notice.

List of links found on this page

This list includes all links found on this page for your reference.

[1] https://www.bcit.ca/programs/essentials-of-data-networks-microcredential-part-time-0811cm/
[2] https://www.bcit.ca/international-students/permits-visas-status/status-in-canada/
[3] https://www.bcit.ca/flexible-learning/part-time-courses-programs/flexible-learning-key-registration-dates/
[4] https://www.bcit.ca/admission/tuition-fees/flexible-learning/
[5] https://www.bcit.ca/courses/xinc2220,xinc2230/
[6] https://www.bcit.ca/courses/vlan-switching-and-redundancy-xinc-2220/
[7] https://www.bcit.ca/outlines/xinc2220/
[8] https://www.bcit.ca/courses/network-security-routing-and-wireless-xinc-2230/
[9] https://www.bcit.ca/outlines/xinc2230/
[10] https://www.bcit.ca/courses/xinc2220,xinc2230/
[11] https://www.bcit.ca/explore/microcredentials/
[12] https://www.bcit.ca/admission/entrance-requirements/transfer-credit/
[13] https://www.bcit.ca/flexible-learning/distance-online-learning/
[14] https://www.bcit.ca/courses/networking-fundamentals-incs-1110/
[15] https://www.bcit.ca/programs/essentials-of-data-networks-microcredential-part-time-0811cm/
[16] https://www.bcit.ca/international-students/

[17] https://www.bcit.ca/financial-aid/

[18] https://secure.bcit.ca/sis/apply/