Industrial Networking for Cybersecurity Professionals

Microcredential Part-time School of Energy

Overview

This **Industrial Networking for Cybersecurity Professionals microcredential** will provide IT Security Professionals with a foundational knowledge of industrial communication systems through five badges where they will engage in theoretical and lab activities.

Delivery: in person. See details.

Through the five badges in the microcredential, students will learn about industrial control systems (ICS), serial and network communication systems and cybersecurity standards, as applied to an industrial control system.

Entrance Requirements

Application processing

Ongoing throughout the year.

Recommended for success

To be successful in this program, students are recommended to have:

- IT Certificate or Diploma from a recognized institution or
- a vendor certification in networking

International applicants

This program is not available to international students. View available programs [1]

Apply to program

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

Scheduled Intakes

Ongoing Flexible Learning (Part-time Studies) intakes: January, April, and September. [2]

Costs & Supplies

Tuition fees

Flexible Learning (Part-time Studies) tuition is charged on a course-by-course basis. Please see the Flexible Learning Tuition & Fees [3] page for more information.

Books & supplies

Study material will be supplied by the instructor.

Courses

Class hours

9:00 am to 4:00 pm

Program matrix

Check current availability of courses [4] for this program.

Required Courses:		Credits
XINC 3110 [5]	**Industrial Control Systems (ICS) Design**	1.0
XINC 3120 [7]	**Fieldbus Networks**	1.0
XINC 3130 [9]	**ICS Network and Protocols**	1.0
XINC 3140 [11]	**Supervisory Systems**	1.0
XINC 3150 [13]	**ICS Governance**	1.0
Total Credits:		**5.0**

Check current availability of courses [15] 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 [16] 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 [17] to find out.

Program Details

Program length

This self-paced program can be completed in one year.

Grading

Minimum passing grade for each course is 50%.

Program delivery

In person: This program is delivered on campus.

Program location

Burnaby Campus [18]
3700 Willingdon Avenue
Burnaby, BC

Faculty, Advisors & Staff

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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/international-applicants/
[2] https://www.bcit.ca/flexible-learning/part-time-courses-programs/flexible-learning-key-registration-dates/
[3] https://www.bcit.ca/admission/tuition-fees/flexible-learning/
[4] https://www.bcit.ca/courses/xinc3110,xinc3120,xinc3130,xinc3140,xinc3150/
[5] https://www.bcit.ca/courses/industrial-control-systems-ics-design-xinc-3110/
[6] https://www.bcit.ca/outlines/xinc3110/
[7] https://www.bcit.ca/courses/fieldbus-networks-xinc-3120/
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