

Search

Q Login *

Courses and Programs ➤

Enrolment ✓

Students >

Services and Support ➤

Contact Us ∨

Certificate Programs

Build real-world knowledge and career skills. Certificates offer university-level studies in your area of interest.

How to Register for a Certificate Program Certificate Registration Policies View Past Certificate Course Requirements

View by Areas of Study

View Alphabetically

Accounting – Finance	Community Engagement, Leadership, and Development	Entrepreneurship and Small Business
Advanced Accounting		
Advanced Applied Digital	Computer Coding (Formerly Computer Programming	Ethics
Geography and GIS	Applications)	Facility and Property
Advanced Architecture	Crime Analytics	Management
Advanced Enterprise Architecture	Criminal Justice and Criminology	Fashion Coordination and Stylin
and Infrastructure Management		Fashion Innovation
Advanced International Trade Management	Cybersecurity, Data Protection and Digital Forensics	Film Studies
Advanced Nursing Leadership and	Data Analytics, Big Data, and Predictive Analytics	Financial Mathematics Modeling and Predictive Analytics
Management		Financial Planning
Advanced Safety Management	Design Management	
Aging and Gerontology	Design for Arts and Entertainment	Food Security
Applied Digital Geography and	Digital Art Production	Foundations of International Management
GIS	Economics and Finance	Fundamentals of Interior Design
Architecture	Economics: Fundamentals	Fundraising Management
Business Communication	Facus Theory and	Graphic Communications
Business Decision Analysis	Economics: Theory and Applications	-
Business French and Translation	Emergency Management, Threat	Health Informatics
Business Management	and Response Planning	Health Services Management
	Energy Management and	Health Studies
Canadian Dietetic Knowledge Competencies	Conservation	Human Resources Management
Canadian Social Work Practice	English Literature and Popular Culture	Image Arts (with specializations
Caribbean Studies		in Film Studies or Photography Studies)

https://continuing.torontomu.ca/certificates/

Indigenous Child and Youth Engagement	Mental Health and Addictions	Proficiency in Spanish
Indigenous Knowledges and	Music: Global and Cultural Contexts	Project Management
Experiences		Project Management for
Information Systems	News Studies	Technical Professionals
Management	Nonprofit and Voluntary Sector Management	Psychology
Introduction to Community		Public Administration and
Services	Nursing and Interprofessional Healthcare Leadership and	Leadership
Landscape Design for Climate	Management	Public Relations
Resilience	Occupational Health and Safety	Publishing
Leadership in Organizations	Occupational Health and Safety	Retail Management
Level 1 Public Administration and Governance	Leadership	Robotics and Embedded System
	Photography Studies	Social Sciences and Humanities
Level 2 Public Administration and Governance	Practical Data Science and	Foundations
Lighting Design	Machine Learning	Strategic Marketing Manageme
	Privacy, Access, and Information	Sustainability Management and
Local Economic Development	Management	Enterprise Process Excellence
Media Writing Fundamentals	Proficiency in French	Urban Agriculture

Courses and Programs ∨

Enrolment ✓

Students >

Services and Support ➤

Contact Us ∨

Register now

Accounting – Finance

Certificate

FULLY ONLINE

Looking to pivot into the industry or looking for Canadian qualifications?

Our fully online Certificate in Accounting – Finance provides students with a gateway to opportunity — graduates leave confident that they have the relevant skills and knowledge necessary for a career in accounting, from entry-level positions to the pursuit of higher levels of certification.



Meet Iryna: Chang School ...

With courses accredited by the Chartered Professional Accounting (CPA) organization and networking opportunities with experienced professionals, this certificate provides learners with further opportunities for success and growth.

Industry and Careers

A career in accounting is full of opportunities – in any industry and across all sectors. This certificate can lead to career paths in roles such as:

- Bookkeeper
- Budget analyst
- Fund accountant
- Business or credit analyst
- Payroll officer
- Property accountant

Who Should Take This Certificate?

- · College or university graduates of non-accounting fields who want to pursue the Chartered Professional Accountant (CPA) designation
- · Newcomers to Canada who are seeking a Canadian university credential in accounting and finance to build their resume and help secure a job
- · Working professionals with the goal of pivoting their career into accounting or finance

What Will You Learn?

After completing this certificate, you will be able to:

- Measure and report financial transactions
- Analyze financial information communicated through statements
- Identify, classify, and summarize costs and expenses
- Prepare budgets and determine variances
- Understand different cost-accounting systems
- · Address problems related to cost determination, allocation, budgeting, and control

Required Courses

CACC 110 Financial Accounting

Next Offered:Spring/Summer 2022

CACC 410 Management

Accounting

Next Offered: Spring/Summer 2022

CACC 414 Intermediate

Accounting I

Next Offered: Spring/Summer 2022

CACC 514 Intermediate

Accounting II

Next Offered:Spring/Summer 2022

CFIN 300 Managerial Finance I

Next Offered: Spring/Summer 2022

CFIN 401 Managerial Finance II

Next Offered: Spring/Summer 2022

Electives (select 2)

CACC 504 Accounting Cases and Concepts I

CACC 521 Auditing

Next Offered:Spring/Summer 2022

CACC 522 Taxation for Managers

and Financial Planners

Next Offered: Spring/Summer 2022

CFIN 502 Personal Financial

Planning

Next Offered:Spring/Summer 2022

CITM 102 Business Information Systems I

Next Offered: Spring/Summer 2022

CLAW 122 Business Law

Next Offered:Spring/Summer 2022

CQMS 210 Applied Statistics for Business

Next Offered:Spring/Summer 2022

• Apply key practices of management accounting for improved business performance

Certificate Requirements

- 6 required courses*
- 2 electives
- Cumulative grade point average (GPA) 1.67+

*If you are an internationally educated professional who has received a waiver from CPA Ontario for CACC 110 and CACC 410, you may apply to the academic coordinator to waive these courses. If granted a waiver, you will need to complete 4 electives (instead of 2) to fulfill the certificate requirements.

To graduate, you must successfully complete, within your official time span, the requirements from the year you registered in the program. For more information, refer to Time Span in our <u>Glossary of Terms</u>. If certificate requirements change and courses are no longer available, you may request <u>Course Substitutions/Directives</u>. You must apply to graduate on <u>my.ryerson</u> (RAMSS) within the appropriate application deadlines (refer to <u>Important Dates</u>). Visit <u>Graduation</u> for details.

Admission Criteria

Recommended:

- Ontario Secondary School Diploma (OSSD) or equivalent
 - With 6 Grade 12 U or M credits

OR

• Mature student status with relevant professional experience in business

If you are an undergraduate student, you should be aware of possible certificate restrictions. Check <u>Curriculum Advising</u> of for complete details.

Professional Designations and Accreditation	+
Awards and Financial Aid	+
Frequently Asked Questions	+
Contact Us	+



Courses and Programs ➤

Enrolment ∨

Students >

Services and Support ➤

Contact Us >

Search

Q Login ▼

Advanced Accounting

Certificate



Continue on your path to becoming a Chartered Professional Accountant (CPA) with our Certificate in Advanced Accounting. Building on the Certificate in Accounting – Finance, this program supports your career advancement in developing your technical skills in managerial accounting, finance, taxation, and IT accounting systems.

Not ready to enrol but want to learn more?

Fill out this form and a representative from The Chang School will contact you.

The six courses in this certificate will hone your analytical and decision-making skills, empowering you to make financial recommendations that are feasible, ethical and adhere to professional standards.

This program:

- · offers in-class learning
- is eligible for OSAP
- is comprised of <u>CPA preparatory courses</u> [2]
- is comprised of degree credit courses that can be used by Ryerson undergraduate students who are completing a minor in Accounting or Finance at the Ted Rogers School of Management

What Will You Learn?	+
Who Should Take This Certificate?	+
Who Teaches the Courses?	+
Industry and Careers	+
Professional Designations and Accreditation	+
Frequently Asked Questions	+

Register now **()**

Required Courses

CACC 703 Advanced Financial Accounting

Next Offered: Spring/Summer 2022

CACC 742 Canadian Business Taxation I

Next Offered:Fall 2022

CACC 801 Intermediate Cost and Management Accounting

CACC 842 Canadian Business Taxation II

Next Offered: Winter 2023

CITM 696 Accounting Information Systems

Next Offered: Spring/Summer 2022

CLAW 603 Advanced Business Law

Next Offered:Spring/Summer 2022

Certificate Requirements

- 6 required courses
- Cumulative grade point average (GPA) 1.67+

To graduate, you must successfully complete, within your official time span, the requirements from the year you registered in the program. For more information, refer to Time Span in our <u>Glossary of Terms</u>. If certificate requirements change and courses are no longer available, you may request <u>Course Substitutions/Directives</u>. You must apply to graduate on <u>my.ryerson</u> (RAMSS) within the appropriate application deadlines (refer to <u>Important Dates</u>). Visit <u>Graduation</u> for details.

Admission Criteria

Required:

• <u>Certificate in Accounting – Finance</u> or equivalent

AND

- All of the following courses or equivalents:
 - CACC 504
 - <u>CITM 102</u>
 - CLAW 122

If you are an undergraduate student, you should be aware of possible certificate restrictions. Check <u>Curriculum Advising</u> of for complete details.

Awards and Financial Aid

Contact Us



Search



Q Login ▼

Courses and Programs ∨

Enrolment ✓

Students >

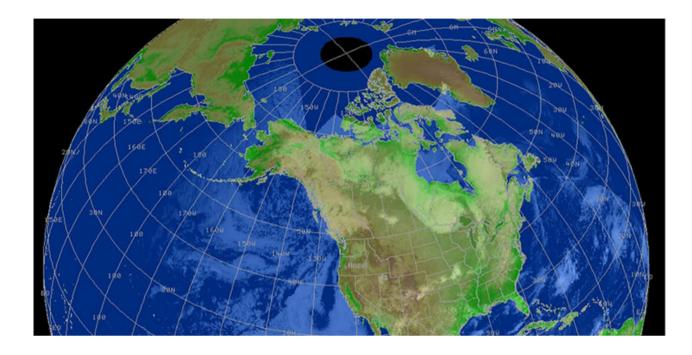
Services and Support ➤

Contact Us ∨

Advanced Applied Digital Geography and GIS

A Certificate

Register now **()**



Important note: The Certificate in **Advanced Applied Digital Geography** and GIS will be discontinued in Fall 2022. Your final opportunity to register for this certificate program will be the Spring/Summer 2022 term; classes begin the week of May 2.

Interested in this certificate? Contact our Client Services Advisors at <u>ce@ryerson.ca</u> for more information.

Not ready to enrol but want to learn more?

Fill out this form and a representative from The Chang School will contact you.

Express interest Z

This advanced certificate builds on the Certificate in Applied Digital Geography and GIS to provide greater conceptual understanding and technical expertise in an increasingly complex industry.

Upgrade your knowledge and skills through highly technical specialty courses in:

- spatial database management systems
- advanced programming
- spatial statistics
- GIS web services

Project-based courses consolidate the in-depth conceptual knowledge and complex skills learned in your previous courses.

Take advantage of the state-of-the-art GIS facilities offered by Ryerson University's Department of Geography and Environmental Studies – a leader in GIS education in Canada.

What Will You Learn?



Who Should Take This Certificate?



Required Courses - First Level

CODG 210 Spatial Database

Management Systems

Next Offered: Fall 2022

CODG 211 Advanced GIS

Programming

Next Offered: Spring/Summer 2023

CODG 212 Spatial Statistical Methods

Next Offered: Winter 2023

CODG 213 Internet GIS

Next Offered:Spring/Summer 2023

Required Courses - Second Level (select 1 or 2)

You may select 1 or both of the following courses. If you choose 1, you need to complete 1 course from the Electives to fulfill the certificate requirements.

CODG 220 GIS Implementation CODG 221 GIS Project

Electives (select 1)



This category only applies if you select 1 course from the Required Courses – Second Level. If you choose both courses, you do not need to complete this category.

CODG 130 Legal and Ethical Issues in GIS and Digital Data

CODG 131 Issues and Innovations

CODG 132 Customizing GIS Software: Applications

Programming

Next Offered:Fall 2022

CODG 133 Map Algebra: Topology and Overlay

Next Offered: Fall 2022

Who Teaches the Courses?

Industry and Careers

+

CODG 135 Digital Image Processing and Applications

Next Offered:Spring/Summer 2023

CODG 136 Web Mapping

Next Offered:Fall 2022

Certificate Requirements

- 6 required courses
- 1 elective*
- Cumulative grade point average (GPA) of 1.67+
- *The elective category only applies if you select 1 course from the Required Courses
- Second Level category. If you choose both courses, you do not need to complete this category.

To graduate, you must successfully complete, within your official time span, the requirements from the year you registered in the program. For more information, refer to Time Span in our <u>Glossary of Terms</u>. If certificate requirements change and courses are no longer available, you may request <u>Course Substitutions/Directives</u>. You must apply to graduate on <u>my.ryerson</u> (RAMSS) within the appropriate application deadlines (refer to <u>Important Dates</u>). Visit <u>Graduation</u> for details.

Admission Criteria



Required:

• Certificate in Applied Digital Geography and GIS or equivalent

Admission Application

You must complete an application for pre-approval and be approved before registering for your first course. To obtain an application, visit Forms and Documents. The completed application, together with transcripts, may be presented to the academic coordinator during the Open House or mailed to the address on the form.

Admission Interview/Placement Assessment

You must also complete an interview with the academic coordinator to facilitate assessment of prior learning. Official documentation of English proficiency may be required if English is not your first language.

Awards and Financial Aid



Contact Us





Search



Q Login ▼

Courses and Programs ➤

Enrolment ✓

Students >

Services and Support ➤

Contact Us ∨

Advanced Architecture

Ortificate



Important note: The Certificate in **Advanced Architecture will be** discontinued in Fall 2022. Your final opportunity to register for this certificate program will be the Spring/Summer 2022 term; classes begin the week of May 2.

Interested in this certificate? Contact our Client Services Advisors at ce@ryerson.ca for more information.

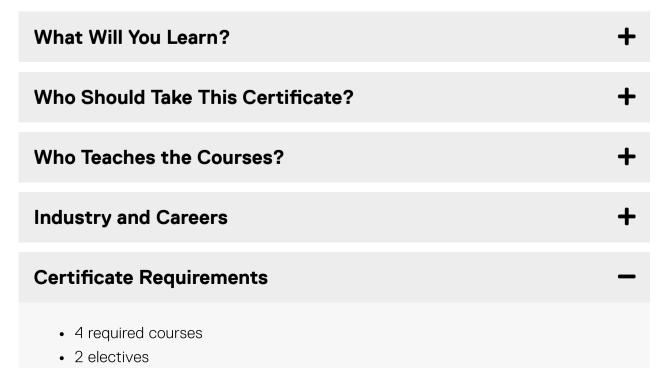
Not ready to enrol but want to learn more?

Fill out this form and a representative from The Chang School will contact you.

Express Interest 2

If you have completed your Certificate in Architecture or are actively engaged in an architectural field, this advanced certificate can help take your career to the next level.

Develop skills in communication, computer-aided architectural drawing using AutoCAD, sustainable building practices, and architectural preservation and conservation. Explore related topics through electives in entrepreneurship and strategy, specifications, modeling and rendering, project management, and more.



Register now **3**

Required Courses

CCMN 432 Communication in the Engineering Professions

Next Offered:Fall 2022

CKAR 215 Computer-Aided Architectural Drawing

Next Offered:Fall 2022

CKAR 500 Sustainable Buildings

Next Offered:Fall 2022

CKAR 601 Building Science for Architectural Preservation and Conservation

Next Offered:Fall 2022

Electives (select 2)

CENT 500 New Venture Startup

Next Offered:Fall 2022

CKAR 203 Specifications and Contractual Documents

CKAR 209 Digital Graphics for Architecture and Design

CKAR 785 Building Info Modelling (REVIT)

Next Offered:Fall 2022

CKPM 214 Project Development and Control

Next Offered: Winter 2023

CTEC 210 Fundamentals of Project Management

Next Offered: Fall 2022

• Cumulative grade point average (GPA) of 1.67+

To graduate, you must successfully complete, within your official time span, the requirements from the year you registered in the program. For more information, refer to Time Span in our <u>Glossary of Terms</u>. If certificate requirements change and courses are no longer available, you may request <u>Course Substitutions/Directives</u>. You must apply to graduate on <u>my.ryerson</u> (RAMSS) within the appropriate application deadlines (refer to <u>Important Dates</u>). Visit <u>Graduation</u> for details.

Admission Criteria Required: • Certificate in Architecture OR • Equivalent academic qualifications and relevant work experience Awards and Financial Aid + Frequently Asked Questions + Contact Us +



Search Q Login -

Courses and Programs ➤

Enrolment

Students >

Services and Support ➤

Contact Us ∨

Advanced Enterprise Architecture and Infrastructure Management

A Certificate

Register now 🗲

Hot Careers Spotlight: The Enterprise Architect



Enterprise Architects are some of the most senior and well-paid Informational Technology professionals. The occupation requires high educational attainment and the ability to understand the interdependence of organizational processes. This program will give you the advanced analytical skills to solve business problems by applying IT architecture and infrastructure, and the knowledge to enhance computer and network security in an operational environment.

Get Connected 🗹

Industry and Careers

This program can lead to career paths in various areas such as:

- Business analyst
- Enterprise architect

Who Should Take This Certificate?

- Graduates from the following programs who want to develop a specialty in Enterprise Architecture:
 - Engineering degree
 - IT-related degree or diploma
 - Master of Business Administration
 - The Chang School's Certificate in Information Systems Management
- Professionals currently working in the following areas who seek a specialized role in Enterprise Architecture:
 - business analytics
 - database development
 - engineering
 - network administration
 - software development
 - security administrator

Required Courses CITM 410 Business Process <u>Design</u> Next Offered:Fall 2022 **CITM 706 Enterprise Architecture** Next Offered:Fall 2022 **CITM 820 Information Systems Security and Privacy** Next Offered:Fall 2022 **Electives (select 1) CITM 330 Supply Chain Process Architecture CITM 600 Data Communications Network Design** Next Offered: Fall 2022 **CITM 711 Cloud Computing** Next Offered: Fall 2022 **CITM 750 IS Project Management** Next Offered: Spring/Summer 2022

Students should have an Information Systems Management (ISM) certificate or an IT educational background at college or university levels.

What Will You Learn?

This advanced certificate program offers students the knowledge and necessary tools for determining how an organization can effectively achieve its current and future objectives. It offers IT-enabled business process management from an analytical perspective. This analytical capability is enriched with advanced topics in information systems security and privacy.

After completing this certificate, you will able to:

- advise organizations on how to respond to emerging technologies and the growing complexity of information systems
- develop and manage information technology architecture and infrastructure to meet the strategic needs of business and government
- analyze and solve business problems by applying information technology architecture and infrastructure
- understand the context of enterprise architecture frameworks, including:
 - the open group architecture framework (togaf)
 - service-oriented architecture (soa)
 - control objectives for information and related technologies (cobit)
 - zachman

Certificate Requirements



- 3 required courses
- 1 elective
- Cumulative grade point average (GPA) 1.67+

To graduate, you must successfully complete, within your official time span, the requirements from the year you registered in the program. For more information, refer to Time Span in our <u>Glossary of Terms</u>. If certificate requirements change and courses are no longer available, you may request <u>Course Substitutions/Directives</u>. You must apply to graduate on <u>my.ryerson</u> (RAMSS) within the appropriate application deadlines (refer to <u>Important Dates</u>). Visit <u>Graduation</u> for details.

Admission Criteria



Recommended:

- Ontario Secondary School Diploma (OSSD) or equivalent
 - With 6 Grade 12 U or M credits

AND

- All of the following courses or equivalents:
 - CITM 100 or CITM 102
 - <u>CITM 207</u>
 - CITM 301

If you are an undergraduate student, you should be aware of possible certificate restrictions. Check <u>Curriculum Advising</u> of for complete details.

Awards and Financial Aid



Contact Us





Courses and Programs ➤

Enrolment ✓

Students >

Services and Support ∨

Contact Us ✓

Register now **2**

Search

Q Login ▼

Advanced International Trade Management

Certificate



With its diverse set of actors and interests, international trade has always been complex. Yet, in today's political and economic climate, even the most solid international trade agreements – as well as the institutions and norms necessary to facilitate trade - are in flux.

This certificate program provides an advanced understanding of the current international trade environment and

Fill out this form and a representative from The Chang School will contact you.

Not ready to enrol but

want to learn more?

Express interest [3]

develops the analytical skills necessary to assess business risk in international transactions.

This program:

- offers a mix of online and in-class learning
- is eligible for OSAP
- · is comprised of degree-credit courses

What Will You Learn? Who Should Take This Certificate? Who Teaches the Courses? **Industry and Careers Frequently Asked Questions Certificate Requirements**

Required Courses

CGMS 723 International Trade

Next Offered: Spring/Summer 2022 **CGMS 724 Management of**

International Enterprise Next Offered:Spring/Summer 2022

CGMS 802 Ethics and Regulation of Int'l Bus

Electives (select 2)

CECN 104 Introductory Microeconomics

Next Offered: Spring/Summer 2022

CGMS 400 The Global Business Environment

CGMS 450 Project Management

CLAW 122 Business Law

Next Offered:Spring/Summer 2022

CLAW 724 Legal Aspects of International Business

Next Offered:Spring/Summer 2022

• Three required courses

- Two electives
- Cumulative grade point average (GPA) 1.67+

To graduate, you must successfully complete, within your official time span, the requirements from the year you registered in the program. For more information, refer to Time Span in our <u>Glossary of Terms</u>. If certificate requirements change and courses are no longer available, you may request <u>Course Substitutions/Directives</u>. You must apply to graduate on <u>my.ryerson</u> (RAMSS) within the appropriate application deadlines (refer to <u>Important Dates</u>). Visit <u>Graduation</u> for details.

Admission Criteria -

Recommended:

• <u>Certificate in Foundations of International Management</u> or equivalent

AND

- All of the following courses or equivalents:
 - CGMS 200
 - CGMS 401
 - <u>CQMS 102</u>

If you are an undergraduate student, you should be aware of possible certificate restrictions. Check <u>Curriculum Advising</u> of for complete details.

Awards and Financial Aid	+
Contact Us	+



Search

Q Login ▼

Courses and Programs ∨

Enrolment ✓

Students >

Services and Support ➤

Contact Us ✓

Advanced Nursing Leadership and Management

A Certificate

FULLY ONLINE

The Certificate in Advanced Nursing Leadership and Management will not be accepting any new registrants. The certificate has been discontinued effective Fall 2020. Students formally registered in the certificate prior to July 1, 2020 must complete the program requirements in effect at the time they registered.

Students are welcome to enrol in the new Nursing and Interprofessional Healthcare <u>Leadership and Management</u> certificate, starting in Fall 2020.

For curriculum details, please refer to the <u>archived calendar</u> for your year of registration.

For further information, please contact Jouanna Labib, Student Affairs/Program Advisor. Email: jlabib@ryerson.ca

Register now **()**

Required Courses

CVNU 360 Advanced Leadership and Management

Next Offered:Fall 2022

CVNU 370 Change and Innovation

Next Offered: Winter 2023

Electives – Group A: Program Planning and Evaluation (select 1)

CHSM 408 Program Planning and

Evaluation

Next Offered: Winter 2023

CINP 902 Evaluation for

Nonprofits

Next Offered:Fall 2022

CINT 900 Program Planning and

Evaluation Strategies

Next Offered:Fall 2022

CPPA 402 Program Planning and

Evaluation

Next Offered: Winter 2023

Electives - Group B: Leadership (select 1 or 2)

CINT 905 Conflict Resolution in

Community Services

Next Offered: Spring/Summer 2022

CINT 907 Team Work for

Community Services

Next Offered:Fall 2022

CINT 911 International

Community Development

Next Offered: Winter 2023

CMHR 741 Managing

Interpersonal Dynamics and

Teams

Electives - Group C: Management (select 1 or 2)

CHIM 300 Managing Health Information Services

CHSM 301 The Healthcare

Systems

Next Offered:Fall 2022

CHSM 305 The Management

Cycle

Next Offered:Fall 2022

CHSM 307 Principles of Long

Term Care Service Del.

Next Offered: Winter 2023

CHSM 437 Human Resources

Management in Healthcare

Next Offered:Fall 2022

CINP 915 Financial Management

for Nonprofits

Next Offered: Winter 2023

CINT 920 Community

Collaborations

Next Offered:Fall 2022

CKPM 203 Planning and

Scheduling

Next Offered:Fall 2022

CKPM 209 Project Risk and

Quality Management

Next Offered:Fall 2022

CLAW 326 Law for Health

Managers

Next Offered:Fall 2022

CMHR 650 Management of

Change

CMHR 721 Negotiation and

Conflict Resolution

CMHR 841 Organization Theory

and Design

CSWP 934 Community

Engagement Foundations

Next Offered:Fall 2022

CSWP 936 Community

Engagement Practices

Next Offered:Fall 2022

CTEC 210 Fundamentals of

Project Management

Next Offered:Fall 2022

CVNU 321 Financial Management



Enrolment ✓ Courses and Programs ∨

Students >

Services and Support ➤

Contact Us ✓

Search

Q Login ▼

Advanced Safety Management

A Certificate



Note to students already registered in this certificate program: Effective Fall 2020, the Certificate in Advanced Safety Management has been revised. Students who were formally registered in the certificate prior to July 2, 2020, must complete the curriculum requirements that were in effect at the time of their registration. For curriculum details, please refer to the archived calendar for your year of registration. For students who registered after July 2, 2020 or have yet to register for this certificate program, the information found on this page is the current curriculum requirements.

Gain the tools and expertise you need to become an occupational health and safety (OHS) professional. Develop an understanding of advanced safety-specific topics and meet a growing demand across industries.

Acquire the skills to analyze and apply accident theory, evaluate safety and control measures, and put systems management approaches into practice to ensure safe workplaces.

want to learn more?

from The Chang School will contact you.

Express Interest 2

Not ready to enrol but

Fill out this form and a representative

Register now **()**

Required Courses

COHS 323 Accident Theory

Next Offered:Fall 2022

COHS 516 Ergonomics

Next Offered:Fall 2022

COHS 523 Safety Evaluation

Techniques

Next Offered:Fall 2022

COHS 623 Safety Control

Methods

Next Offered: Winter 2023

COHS 709 Fire and Radiation

<u>Safety</u>

Next Offered: Winter 2023

COHS 800 Sectoral Applications

Next Offered: Winter 2023

Electives (select 2)

CINT 900 Program Planning and Evaluation Strategies

Next Offered:Fall 2022

CINT 902 Disability Issues

Next Offered:Fall 2022

CINT 905 Conflict Resolution in

Community Services

Next Offered: Spring/Summer 2022

You can choose to complete this certificate program on campus, through online courses, or through a combination of both modes.

Courses are drawn from Ryerson University's Bachelor of Applied Science in Occupational and Public Health (BASc). Courses completed as part of this Certificate may be recognized towards the completion of the BASc. Offered through the School of Occupational and Public Health, the BASc is the only degree-level program of its kind in Canada.

By completing this program after the Certificate in Occupational Health and Safety, and then continuing on to the Certificate in Occupational Health and Safety Leadership, you will meet the education components required for certification as a Canadian Registered Safety Professional (CRSP).

Note to students registered in this certificate program: Effective Fall 2020, the Certificate in Advanced Safety Management has been revised. Students who were formally registered in the certificate prior to July 2, 2020, must complete the curriculum requirements that were in effect at the time of their registration. For curriculum details, please refer to the archived calendar for your year of registration. Please see the scheduling chart in Frequently Asked Questions for courses offered as part of previous curriculum.



- 6 required courses
- 2 electives
- Cumulative grade point average (GPA) 1.67+

To graduate, you must successfully complete, within your official time span, the requirements from the year you registered in the program. For more information, refer to Time Span in our <u>Glossary of Terms</u>. If certificate requirements change and courses are no longer available, you may request <u>Course Substitutions/Directives</u>. You must apply to graduate on <u>my.ryerson</u> (RAMSS) within the appropriate application deadlines (refer to <u>Important Dates</u>). Visit <u>Graduation</u> for details.

Admission Criteria

Recommended:

• Certificate in Occupational Health and Safety or equivalent

OR

- Ontario Secondary School Diploma (OSSD) or equivalent
 - With six Grade 12 U or M credits

OR

- Mature student status and five years of professional experience in occupational health and safety, plus the following courses:
 - COHS 208
 - COHS 718

If you are an undergraduate student, you should be aware of possible certificate restrictions. Check <u>Curriculum Advising</u> of for complete details.

Awards and Financial Aid + Frequently Asked Questions +

Contact Us





Search



Q Login ▼

Courses and Programs ∨

Enrolment ✓

Students >

Services and Support ➤

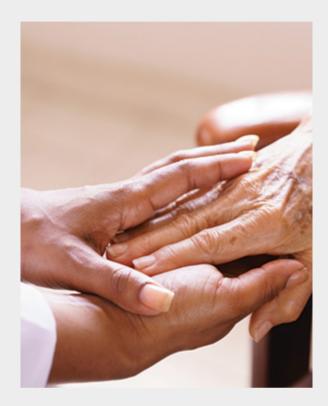
Contact Us ∨

Aging and Gerontology

A Certificate

FULLY ONLINE

In the next decade, it's expected that older adults will represent a quarter of the Canadian population, according to Statistics Canada. This demographic shift will present unprecedented opportunities for those serving our aging population. It also means that most professionals will work with older people. Equip yourself with the skills to meet the unique needs of this growing demographic through the application of gerontology theory, practice, and policy change.



Get Connected **☑**

Learn directly from professionals with extensive community experience in gerontology across a vast array of fields, including social work, health sciences, nursing, and more. Expand your hands-on experience, apply your professional knowledge, and make a difference in your field and community.

Industry and Careers

This certificate can lead to career paths in roles such as:

- Family counsellor
- Legal advocate
- Occupational therapist
- Psychogeriatric case manager
- Recreation specialist
- Research and community engagement coordinator
- Residential support worker
- Social worker
- Ultrasound technician
- Wellness consultant

Who Should Take This Certificate?

- · Recent graduates of health, social work, counseling, sociology, and psychology who are looking to start a career working with older adults
- Individuals working as educational or public administrators, retirement housing managers, recreational/health consultants, and human resource coordinators who need to build their skill set so they can design programs and develop policies for older adults

What Will You Learn?

After completing this certificate, you will able to:

 Examine the implications of aging and evaluate the services available for aging populations in Canada and globally from the following a variety of perspectives

Register now **()**

Required Courses

CINT 901 Gerontology: Critical Issues and Future Trends

Next Offered:Fall 2022

CINT 930 Aging: From Cells to Society

Next Offered:Fall 2022

CINT 935 Ethical/Legal Frameworks in Aging

Next Offered: Winter 2023

CINT 940 Mobilizing Research for **Change**

Next Offered: Winter 2023

Electives (select 2)

CHSM 307 Principles of Long Term Care Service Del.

Next Offered: Winter 2023

CINT 555 Special Topics in Interdisciplinary Studies Next Offered: Winter 2023

CINT 900 Program Planning and Evaluation Strategies

Next Offered: Fall 2022

CINT 904 Health Promotion and Community Development

Next Offered: Fall 2022

CINT 907 Team Work for Community Services

Next Offered: Fall 2022

CINT 945 Technology and Aging Populations

Next Offered: Fall 2022

CINT 950 Practicum/Project in Gerontology

Next Offered: Fall 2022

including social, political, psychological, demographic, and more

- Influence practice and policy change in the field of aging
- Identify how technological innovation influences health and social engagement within aging populations
- Practice well-honed leadership, conflict management, and customer service skills

Certificate Requirements

- 4 required courses
- 2 electives
- Cumulative grade point average (GPA) of 1.67+

To graduate, you must successfully complete, within your official time span, the requirements from the year you registered in the program. For more information, refer to Time Span in our <u>Glossary of Terms</u>. If certificate requirements change and courses are no longer available, you may request <u>Course Substitutions/Directives</u>. You must apply to graduate on <u>my.ryerson</u> (RAMSS) within the appropriate application deadlines (refer to <u>Important Dates</u>). Visit <u>Graduation</u> for details.

Admission Criteria



- Ontario Secondary School Diploma (OSSD) or equivalent
 - With 6 Grade 12 U or M credits

OR

• Mature student status

Awards and Financial Aid



Frequently Asked Questions



Contact Us





Search Q Login -

Courses and Programs ➤

Enrolment ✓

Students >

Services and Support ➤

Contact Us ∨

Applied Digital Geography and GIS

A Certificate

FULLY ONLINE

Advance your career with enhanced professional skills in digital geography and geographic information systems (GIS). Geographic information systems are used by a growing number of businesses, industries, and government organizations to help them make more informed decisions. Our certificate will help you to gain enhanced computer literacy in the management and analysis of digital spatial data, and to use that data effectively in decision-making – the skills needed to become a successful GIS professional.



Get Connected 🗹

Learn principles and concepts of digital geography and fundamental GIS skills. In the certificate program, you will focus on specific specialties and workplace applications, GIS tools, and implementation issues.

Industry and Careers

The GIS field has experienced substantial growth over the past two decades. GIS are used in government, industry, utilities, planning, municipal services, health, and retailing.

This certificate can lead to a career in various roles. Here are some examples:

- Crime analyst
- Decision support analyst/specialist
- GIS analyst/specialist/technician
- Location analyst
- Research analyst
- Spatial database technician

Who Should Take This Certificate?

- Recent university graduates who are interested in starting a career in the GIS industry
- Professionals in other fields who are interested in pivoting to a career as a GIS professional

What Will You Learn?

After completing this certificate, you will be able to:

- Understand geographic databases, visualization, digital geography, system components
- Identify GIS applications in business, municipalities, utilities, environmental management, and community and social services

Register now **3**

Required Courses

CODG 101 Spatial Databases and Digital Cartography

Next Offered:Fall 2022

CODG 102 Digital Geography and Spatial Analysis

Next Offered: Fall 2022

Electives – Group A (select 1 or 2)

These professional applications courses allow you to focus on an area of interest.

CODG 123 Digital Geography

Applications in Utilities Planning

Next Offered: Winter 2023

CODG 124 Digital Geography
Applications in Business
Decision-Making

Next Offered:Spring/Summer 2023

CODG 125 Digital Geography
Applications for the Municipal
Professional

Next Offered:Fall 2022

CODG 126 Digital Geography

Applications in Environmental

Management

Next Offered:Winter 2023

CODG 127 Digital Geography

Applications in Community and

Social Services

Electives – Group B (select 2 or 3)

These courses are designed to provide you with some understanding of the more complex core skills and issues facing business, municipal, environmental, utilities or community and social services professionals when they employ digital geography in their decision-making.

• Understand and address legal and ethical issues, innovations in GIS, GIS programming, map algebra, digital image processing, web mapping, and more

Certificate Requirements

- 2 required courses
- 4 electives*
- Cumulative grade point average (GPA) of 1.67+

*Electives are divided into 3 groups, allowing you to focus on an area of interest and then dive into more specialized skills. Select 1 or 2 electives from Group A and 2 or 3 electives from Group B; alternatively, as the final course for certificate completion, you may choose to take 1 elective from Group C.

To graduate, you must successfully complete, within your official time span, the requirements from the year you registered in the program. For more information, refer to Time Span in our <u>Glossary of Terms</u>. If certificate requirements change and courses are no longer available, you may request <u>Course Substitutions/Directives</u>. You must apply to graduate on <u>my.ryerson</u> (RAMSS) within the appropriate application deadlines (refer to <u>Important Dates</u>). Visit <u>Graduation</u> for details.

Admission Criteria

Required:

An undergraduate degree or college diploma in an acceptable related field.

Admission Application

You must complete an application for pre-approval and be approved before registering for your first course. To obtain an application, visit Forms and Documents. The completed application, together with transcripts, may be presented to the academic coordinator during the Open House or mailed to the address on the form.

Advanced Credit:

All applicants to the program are eligible to apply for advanced standing, with credit being granted for course work undertaken, or for professional practice, providing the course work or professional practice meets or exceeds the academic goals and content of the program courses for which credit is being sought. Advanced credit applications will be evaluated by the academic coordinator and the program director, and are subject to normal Ryerson admission policies and procedures. Students may be required to take a challenge examination in order to ascertain eligibility for advanced standing. Students will be eligible for a maximum of three course credits toward the certificate.

Awards and Financial Aid



Contact Us



CODG 130 Legal and Ethical Issues in GIS and Digital Data

CODG 131 Issues and Innovations

CODG 132 Customizing GIS

Software: Applications

Programming

Next Offered:Fall 2022

CODG 133 Map Algebra: Topology and Overlay

Next Offered:Fall 2022

CODG 135 Digital Image

Processing and Applications

Next Offered:Spring/Summer 2023

CODG 136 Web Mapping

Next Offered:Fall 2022

Electives – Group C (select up to 1)

This category only applies if you select a total of 3 electives from Groups A and B (combined), and wish to take 1 of the following electives as your final course for certificate completion.

CODG 210 Spatial Database Management Systems

Next Offered:Fall 2022

CODG 211 Advanced GIS

Programming

Next Offered:Spring/Summer 2023

CODG 212 Spatial Statistical Methods

Next Offered: Winter 2023

CODG 213 Internet GIS

Next Offered: Spring/Summer 2023



Search Q Login -

Courses and Programs ➤

Enrolment ✓

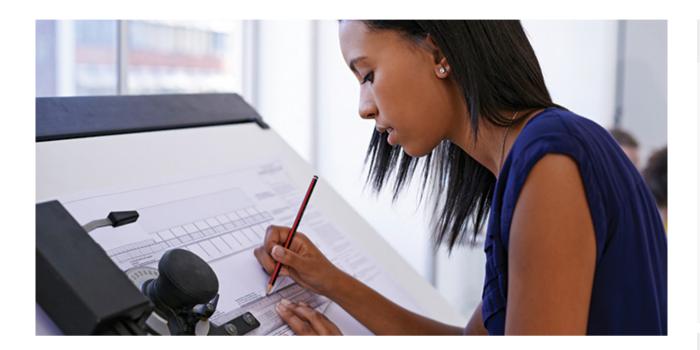
Students >

Services and Support ∨

Contact Us ∨

Architecture

A Certificate



If you want to enter the dynamic field of architecture, or if you already work in architecture and want to improve your skills and credentials, you may be interested in the Certificate in Architecture.

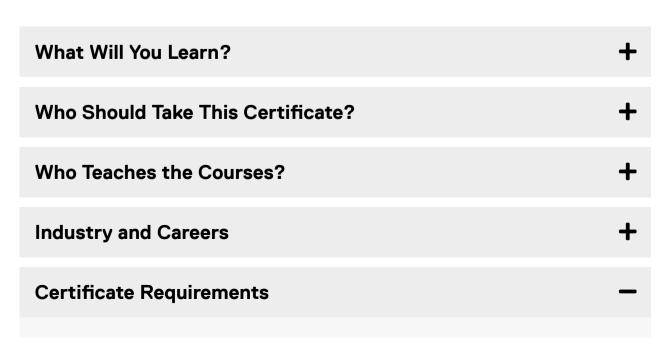
Develop skills in architectural drawing and drafting, design, space planning, and human-interface and environmental systems. Learn more about building Not ready to enrol but want to learn more?

Fill out this form and a representative from The Chang School will contact you.

Express interest 🗹

construction methods and materials, codes and regulations, and the interconnected systems that make up buildings. Build on your practical architecture competencies through studio and workshop courses. Explore related topics through electives in entrepreneurship and strategy, sustainability, project management, and more.

Note to students registered in this certificate program: Effective Fall 2020, the Certificate in Architecture has been revised. Students who were formally registered in the certificate prior to July 2, 2020, must complete the curriculum requirements that were in effect at the time of their registration. For curriculum details, please refer to the <u>archived calendar</u> for your year of registration.



Register now **②**

Required Courses

CKAR 103 Architectural Studio - Fundamental

CKAR 205 Building Codes and Regulations

Next Offered:Fall 2022

CKAR 300 Architectural Drawing

CKAR 310 Materials and Methods

Next Offered:Fall 2022

Electives (select 2)

CENT 500 New Venture Startup

Next Offered:Fall 2022

CKAR 209 Digital Graphics for Architecture and Design

CKAR 500 Sustainable Buildings

Next Offered:Fall 2022

CKAR 785 Building Info Modelling (REVIT)

Next Offered:Fall 2022

CTEC 210 Fundamentals of Project Management

Next Offered:Fall 2022

- 4 required courses
- 2 electives
- Cumulative grade point average (GPA) of 1.67+

To graduate, you must successfully complete, within your official time span, the requirements from the year you registered in the program. For more information, refer to Time Span in our <u>Glossary of Terms</u>. If certificate requirements change and courses are no longer available, you may request <u>Course Substitutions/Directives</u>. You must apply to graduate on <u>my.ryerson</u> (RAMSS) within the appropriate application deadlines (refer to <u>Important Dates</u>). Visit <u>Graduation</u> for details.

Recommended Course Sequence Admission Criteria Recommended: A post-secondary undergraduate education (university or college) in a relevant field of study (including programs related to architecture and/or environmental sciences) Awards and Financial Aid Frequently Asked Questions + Contact Us



Search Q Login -

Courses and Programs ➤

Enrolment ✓

Students >

Services and Support ∨

Contact Us ∨

Business Communication

A Certificate

Real World Expertise - Professional Communication



Learn the skills, strategies, and theories to succeed in all areas of business communication. Explore how to write concise letters, prepare efficient reports, interact effectively with others, and deliver powerful, stress-free presentations.

Develop a high level of competence in communication for business and government organizations. Want to find out more about the

Certificate in Business

Communication? Express interest to connect with this program and receive updates.

Express interest 🗹

This program's **hands-on approach** will help you review communication and language basics and expand your skills in:

- documentation formatting
- research
- · critical thinking
- problem solving
- public speaking

Learn from instructors with real-world experience, who share their expertise in communicating in today's global workplace.

This program offers the following benefits:

- Enrol right away open admissions with no application required
- Take Ryerson degree-credit courses
- · Apply for merit-based awards



Register now **()**

Required Courses

CCMN 279 Introduction to

<u>Professional Communication</u>

Next Offered:Fall 2022

CCMN 313 Organizational Report
Writing

Next Offered: Winter 2023

CCMN 314 Professional

Presentations

Next Offered:Fall 2022

CCMN 413 Corporate

Communications

Next Offered:Fall 2022

CCMN 414 Interpersonal

Communication in Management

Next Offered:Fall 2022

CCMN 443 Contemporary
Intercultural Communication

Next Offered:Fall 2022

Electives (select 2)

CCMN 114 Short Management Reports

Next Offered:Fall 2022

CCMN 315 Issues in

Organizational Communication

Next Offered:Fall 2022

CCMN 447 Communication and

<u>Law</u>

CDCM 300 Communicating in

Virtual Environments

CDCM 415 Promotional

Communications

Next Offered:Fall 2022

CFRE 502 Communication and

Business French

Industry and Careers



Certificate Requirements

- 6 required courses
- 2 electives
- Cumulative grade point average (GPA) of 1.67+

To graduate, you must successfully complete, within your official time span, the requirements from the year you registered in the program. For more information, refer to Time Span in our <u>Glossary of Terms</u>. If certificate requirements change and courses are no longer available, you may request <u>Course Substitutions/Directives</u>. You must apply to graduate on <u>my.ryerson</u> (RAMSS) within the appropriate application deadlines (refer to <u>Important Dates</u>). Visit <u>Graduation</u> for details.

Admission Criteria



Recommended:

- Ontario Secondary School Diploma (OSSD) or equivalent
 - With 6 Grade 12 U or M credits (including English)
 - With a minimum average of 60 percent

OR

• Mature student status

Awards and Financial Aid



Why Register for the Certificate?



Contact Us





Courses and Programs ➤

Enrolment ✓

Students >

Services and Support ➤

Contact Us >

Search

Q Login ▼

Business Decision Analysis

Certificate



The demand for specialists in data analytics is growing. Organizations worldwide continue to realize the potential of harvesting data to gain a competitive edge.

Up your game with our Certificate in Business Decision Analysis. Learn to identify and define particular business issues, ask the right questions, and use quantitative analysis to support your

Fill out this form and a representative from The Chang School will contact you.

Express interest 🗹

organization's business goals. Grounded in statistics, mathematics, and computer modeling, this program is designed to develop your skills in effectively using quantitative data for managerial decision-making, across the organization, to improve business outcomes.

This program:

- offers both online and in-class learning
- is eligible for OSAP
- is comprised of degree credit courses
- offers students the opportunity to apply all, or most, of the credit earned through the certificate as transfer credits to a Bachelor of Commerce program at Ryerson or at other universities (subject to admission and the requirements of the degree to which you are applying)

Note to students registered in this certificate program: Effective Fall 2020, the Certificate in Business Decision Analysis has been revised. Students who were formally registered in the certificate prior to July 2, 2020, must complete the curriculum requirements that were in effect at the time of their registration. For curriculum details, please refer to the <u>archived calendar</u> for your year of registration.

Register now **②**

Required Courses

CQMS 210 Applied Statistics for Business

Next Offered:Spring/Summer 2022

Electives (select 4)

CGMS 422 Quality Management

Next Offered: Spring/Summer 2022

CIND 123 Data Analytics: Basic Methods

Next Offered:Spring/Summer 2022

CITM 501 Prescriptive Analytics and Simulation

CQMS 442 Multiple Regression for Business

Next Offered:Spring/Summer 2022

CQMS 521 Business Optimization

CQMS 703 Business Forecasting
Techniques

Next Offered:Spring/Summer 2022



Who Should Take This Certificate?	+
Who Teaches the Courses?	+
Industry and Careers	+
Testimonial	+
Frequently Asked Questions	+
Certificate Requirements	_

- 1 required course
- 4 electives
- Cumulative grade point average (GPA) of 1.67+

Supplies to be purchased by the student:

A calculator with specialized statistical features is integral to many Quantitative Methods courses. Software and calculator specifications will be announced at the first class.

To graduate, you must successfully complete, within your official time span, the requirements from the year you registered in the program. For more information, refer to Time Span in our <u>Glossary of Terms</u>. If certificate requirements change and courses are no longer available, you may request <u>Course Substitutions/Directives</u>. You must apply to graduate on <u>my.ryerson</u> (RAMSS) within the appropriate application deadlines (refer to <u>Important Dates</u>). Visit <u>Graduation</u> for details.

Admission Criteria -

Recommended:

- Ontario Secondary School Diploma (OSSD) or equivalent
 - With 6 Grade 12 U or M credits (including Mathematics)

OR

• Mature student status with relevant professional experience in business

If you are an undergraduate student, you should be aware of possible certificate restrictions. Check <u>Curriculum Advising</u> of for complete details.

Professional Development	+
Awards and Financial Aid	+
Contact Us	+



Search Q Login -

Courses and Programs ➤

Enrolment ✓

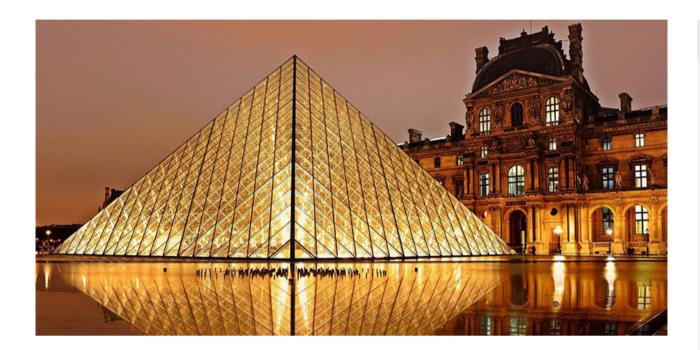
Students >

Services and Support >

Contact Us ∨

Business French and Translation

A Certificate



Do you currently work or plan to work in a French business environment? This wide range of specialized and practical French language courses can help you improve your communication and translation skills.

Many of our students work in finance, banking, or government, and wish to improve their abilities in French. Some teach French courses and want to improve their business and translation skills. No Not ready to enrol but want to learn more?

Fill out this form and a representative from The Chang School will contact you.

Express interest 🗹

matter your goals, this certificate can add to your professional qualifications and enhance your career opportunities.

If you are already proficient or fluent in French and wish to increase your business French and translation skills, this is the certificate for you.

What Will You Learn? Who Should Take This Certificate? + Who Teaches the Courses? + Industry and Careers Certificate Requirements 5 required courses 1 elective*

*You may be exempted from completing the elective if your level (as determined by placement assessment) is deemed more advanced. If granted advanced placement,

you only need to complete the 5 required courses to fulfill the certificate

Register now **2**

Required Courses

CFRE 502 Communication and Business French

CFRE 507 English-French
Translation I

CFRE 602 Business French in Practice

CFRE 607 English-French

Translation II

<u>CFRE 707 Introduction to French-</u> <u>English Translation</u>

Electives (select 1)

CFRE 510 Effective Writing

CFRE 515 Introduction to Business French

CFRE 610 Cultural Context of Writing

CFRE 706 The Life and Times of the French Language

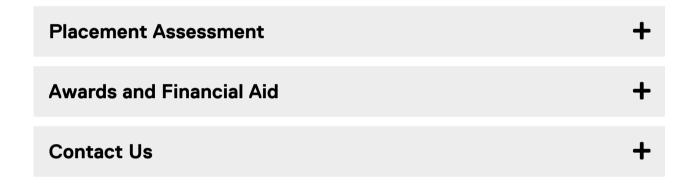
• Cumulative grade point average (GPA) 1.67+

requirements.

To graduate, you must successfully complete, within your official time span, the requirements from the year you registered in the program. For more information, refer to Time Span in our <u>Glossary of Terms</u>. If certificate requirements change and courses are no longer available, you may request <u>Course Substitutions/Directives</u>. You must apply to graduate on <u>my.ryerson</u> (RAMSS) within the appropriate application deadlines (refer to <u>Important Dates</u>). Visit <u>Graduation</u> for details.

Recommended Course Sequence Admission Criteria Recommended: Certificate in Proficiency in French from Ryerson OR Admission by placement assessment

If you are an undergraduate student, you should be aware of possible certificate restrictions. Check <u>Curriculum Advising</u> of for complete details.



Courses and Programs ➤

Enrolment ∨

Students >

Services and Support ➤

Contact Us ∨

Search

Q Login ▼

Register now **②**

Business Management

Certificate

FULLY ONLINE

Expand your career options by building your foundational business skills through our Certificate in Business Management. The degreecredit courses in this certificate are OSAP-eligible, and many can be transferred as credits to a Bachelor of Commerce degree. Whether you're looking to start your career in business or pivot into this field, this certificate will help you carve that path.

The Certificate in Business
Management comprises eight required
courses that introduce you to the
foundational areas of study necessary
for a career in business.

Chicky Straigy Princip

Straigy Straigur SAESS

Sept Super SAESS

Sept Super SAESS

Sept Super S

Required Courses

You may only select one of CACC 100 or CACC 110. If you plan to pursue the Accounting Finance minor, you should take CACC 110. **Note:** CACC 100 and CACC 110 are not transferable to the Accounting major in the School of Accounting and Finance at Ryerson University.

You may only select one of CITM 100 and CITM 102.

Accounting

Next Offered:Spring/Summer 2022

CACC 110 Financial Accounting

Next Offered:Spring/Summer 2022

CECN 104 Introductory

Microeconomics

Next Offered:Spring/Summer 2022

CGMS 200 Introduction to Global Management

Next Offered:Spring/Summer 2022

CITM 100 Foundations of Information Systems

<u>CITM 102 Business Information</u> <u>Systems I</u>

Next Offered: Spring/Summer 2022

CLAW 122 Business Law

Next Offered:Spring/Summer 2022

CMHR 523 Human Resources Management

Next Offered:Spring/Summer 2022

CMKT 100 Principles of

Marketing

Next Offered:Spring/Summer 2022

CQMS 110 Applied Mathematics for Business

Next Offered:Spring/Summer 2022

Get Connected 2

Industry and Careers

The top industries in Canada that require business management roles include the following*:

- Accommodation and food services
- Educational services
- Finance and insurance
- Healthcare and social assistance
- Manufacturing
- Professional, scientific, and technical services
- Public administration
- Retail trade

Who Should Take This Certificate?

- Individuals who want to gain foundational business skills to expand their career options, but who may not want to commit to a full-time degree program
- Individuals who are interested in business and looking to change careers
- Individuals who are interested in starting their own business in the future

What Will You Learn?

After completing this certificate, you will be able to do the following:

- Understand and analyze financial information communicated through financial statements
- Know the fundamentals of marketing, including theories, principles, and concepts of

^{*}Burning Glass, 2021

market and consumer behaviour

- Identify concepts and complexities of the contemporary business environment with an emphasis on competitiveness, quality, and the main functional areas of business (including marketing, accounting, economics, information management, law, and human resources management)
- Understand the fundamentals of economics including the basic concepts of demand and supply, the theory of the firm, and distribution of income
- Recognize and understand business behaviour and decision-making under various market conditions: pure competition, oligopoly, monopolistic competition, and monopoly

Certificate Requirements



• Cumulative grade point average (GPA) of 1.67+

To graduate, you must successfully complete, within your official time span, the requirements from the year you registered in the program. For more information, refer to Time Span in our <u>Glossary of Terms</u>. If certificate requirements change and courses are no longer available, you may request <u>Course Substitutions/Directives</u>. You must apply to graduate on <u>my.ryerson</u> (RAMSS) within the appropriate application deadlines (refer to <u>Important Dates</u>). Visit <u>Graduation</u> for details.

Admission Criteria

Recommended:

• Ontario Secondary School Diploma (OSSD) or equivalent

• With 6 Grade 12 U or M credits

OR

• Mature student status with relevant professional experience in business

If you are an undergraduate student, you should be aware of possible certificate restrictions. Check <u>Curriculum Advising</u> of for complete details.

Awards and Financial Aid Contact Us



Search

Q Login ▼

Courses and Programs ∨

Enrolment ✓

Students >

Services and Support ➤

Contact Us ∨

Canadian Dietetic Knowledge Competencies

A Certificate



This program is not currently accepting applications. Scheduling information is not available at this time. Please check back in Fall 2022 for further updates on the program offerings.

Are you an internationally educated professional in nutrition? Are you looking to practise as a Registered Dietitian in Canada?

The Internationally Educated Professionals in Nutrition (IEPN) program has two parts: the 10-course Certificate in Canadian Dietetic Knowledge Competencies and the practicum year. The certificate program is currently offered every other year; the next anticipated start date is to be announced.

The certificate bridges your foundational dietetic knowledge to the Canadian context, and provides a Canadian university credential to supplement your international university education. The certificate also means you are eligible to apply for the practicum year, which focuses on bridging your practice-based competencies to the Canadian context.

The College of Dietitians of Ontario regulates the dietetic profession in Ontario, and administers the Prior Learning and Assessment Recognition (PLAR) process description of the Prior Learning and Assessment Recognition (PLAR) process description of the Prior Learning and Assessment Recognition (PLAR) process description of the Prior Learning and Assessment Recognition (PLAR) process description of the Prior Learning and Assessment Recognition (PLAR) process description of the Prior Learning and Assessment Recognition (PLAR) process description of the Prior Learning and Assessment Recognition (PLAR) process description of the Prior Learning and Assessment Recognition (PLAR) process description of the Prior Learning and Assessment Recognition (PLAR) process description of the PLAR (PLAR) process internationally educated professionals in nutrition. The College recognizes successful completion of the certificate as equivalent to a Knowledge and Competencies Assessment Tool (KCAT) Level I result, and successful completion of the practicum year as equivalent to successful completion of the Performance-Based Assessment (PBA) . Both are required to be eligible to write the Canadian Dietetic Registration Examination (CDRE) Z.



Register now **()**

Required Courses

CFNN 202 Public Health Nutrition

CFNN 301 Intro to Nutrition Management of Human Disease

CFNN 400 Advanced Nutrition and Health

CFNN 401 Advanced Nutrition Management of Human Disease

CFNP 100 Introduction to Professional Practice

CFNP 350 Interpersonal Comm/Counselling Nutrition

CFNP 550 Introduction to Dietetics Practice

CFNR 201 Research Methods and Statistics

CFNS 200 Quantity Food Management

CFNS 400 Food Service Systems Management

Professional Designations and Accreditation



Certificate Requirements



• Cumulative grade point average (GPA) of 1.67+

To graduate, you must successfully complete, within your official time span, the requirements from the year you registered in the program. For more information, refer to Time Span in our <u>Glossary of Terms</u>. If certificate requirements change and courses are no longer available, you may request <u>Course Substitutions/Directives</u>. You must apply to graduate on <u>my.ryerson</u> (RAMSS) within the appropriate application deadlines (refer to <u>Important Dates</u>). Visit <u>Graduation</u> for details.

Admission Criteria



Required:

- An assessment completed by the College of Dietitians of Ontario (CDO)
 - And proof of English proficiency at the required level

For the CDO assessment, eligible applicants must have written the <u>Knowledge and Competency Assessment Tool (KCAT)</u> **Z** exam within the context of <u>The College of Dietitians of Ontario Competency Assessment</u> **Z**.

Admission Application

An admission application is required for this program. A two-step pre-approval process will be conducted by the program coordinator including submission of an application package and an in-person assessment for qualifying applicants.

For more information, see How to Apply or contact ied@ryerson.ca.

How to Apply	+
Awards and Financial Aid	+
Frequently Asked Questions	+
Contact Us	+



Search Q Login -

Courses and Programs ➤

Enrolment ✓

Students >

Services and Support ➤

Contact Us ∨

Canadian Social Work Practice

A Certificate

This innovative, award-winning program is designed to assist internationally educated social work professionals to gain employment in the social service/human service sector in Ontario at levels that match their knowledge and experience. Since the program began in 2005, 89 percent of certificate program graduates have been hired into positions in the social work field within one year of graduation.



Get Connected 2

Industry and Careers

This program can lead to career paths in various areas in social work (for those eligible for registration with the Ontario College Of Social workers and Social Service Workers - OCSWSSW) such as:

- Brief and supportive counselling
- · Case management
- Child protection
- Children, youth and family support
- Crisis and housing, mental health and addiction
- Violence against women services

Who Should Take This Certificate?

The certificate program is offered to two groups of applicants:

 Experienced social workers whose academic credentials have been recognized as equivalent to a BSW or an MSW by the Canadian Association of Social Workers (CASW), and/or who are registered members of the Ontario College of Social Workers and Social Service Workers (OCSWSSW)

OR

• Those with a degree in the social sciences or humanities who also have significant social service experience

Everyone admitted to the program will be assessed for English proficiency to ensure capacity for success in university-level courses instructed in English. Both streams include placement and job search support.

What Will You Learn?

Offered part-time over a 13-month period (beginning in the Summer term), the program includes courses, mentorship, and work experience. The Internationally Educated Social Work Professionals (IESW) Program provides advanced entry for its nine-month

Register now **3**

Required Courses

CSWP 36A is a multi-term course. If you enrol in CSWP 36A for the selected term, you will automatically be enrolled in CSWP 36B for the subsequent term. The automatic enrolment usually occurs near the completion of "A" term, and therefore the "B" term will not appear on your schedule of classes until that time.

CSWP 301 Decolonizing and Anti-Oppression Practice

CSWP 402 Social Policy and Social Inclusion

Next Offered:Fall 2022

CSWP 917 Special Topics I

CSWP 918 Special Topics II

CSWP 36A Field Practicum-A

CVSW 900 Foundations of Social
Work

certificate program to underemployed IESWs with proof of advanced academic English language proficiency. The certificate is open only to internationally educated professionals with social service experience approved through the IESW Program admissions process.

Information For IESW Professionals Residing in Ontario	+
Canadian Social Work Practice	+
Tuition and Awards and Financial Aid	+
How to Apply	+
Curriculum and Schedule	+
Frequently Asked Questions	+
Information For IESW Professionals Planning to Immigrate to Ontario	+
Information for Employers	+
Recognition	+
Meet the Team	+
Client Service Charter	+
Contact Us	+



Search



Q Login *

Courses and Programs ∨

Enrolment ✓

Students >

Not ready to enrol but

Fill out this form and a representative

from The Chang School will contact

want to learn more?

you.

Services and Support ➤

Contact Us ∨

Caribbean Studies

A Certificate



Enrich your knowledge of the Caribbean through this fascinating interdisciplinary program.

Learn about the Caribbean's history, politics, and economy. Examine the region's rich cultural, racial, and ethnic diversity. Explore the importance of the Caribbean community in Canada.

A diverse selection of courses will allow

you to engage with contemporary issues in the Caribbean region and its diaspora, including:

- Tourism Impacts and Resistance
- Environmental Sustainability
- Globalization
- Migration
- Multiculturalism
- Transnationalism
- Creolization
- Diaspora
- Racism
- Sexualities
- Equity
- Inclusion

If you want to learn more about contemporary issues in the Caribbean and the region's influence on the world, this program is for you.

What Will You Learn? Who Should Take This Certificate? Who Teaches the Courses?

Register now **()**

Required Course

CCRB 100 Introduction to the Caribbean

Next Offered:Fall 2022

Electives (select 5)

CCRB 500 Families in the Caribbean

CCRB 501 Racism and Caribbean Peoples in Canada

Next Offered:Fall 2022

CCRB 502 Cultural Traditions in the Caribbean

Next Offered:Spring/Summer 2023

CCRB 600 Postcolonial Caribbean Society

CCRB 603 Special Topics in Caribbean Studies

CCRB 605 Caribbean Tourism: Impacts and Resistance

CCRB 614 Caribbean Critical Thought

CENG 620 Literatures of the Caribbean

CFRS 602 French Caribbean

Literature and Culture

Next Offered: Fall 2022

CGEO 705 Environment and Society in the Caribbean

CHST 222 The History of The Caribbean

Next Offered: Fall 2022

CSPN 804 Latin American Culture Ш

CSPS 502 Spanish Caribbean **Literature and Culture**

Next Offered: Fall 2022

Industry and Careers Testimonials

Certificate Requirements

_

- 1 required course
- 5 electives
- Cumulative grade point average (GPA) of 1.67+

To graduate, you must successfully complete, within your official time span, the requirements from the year you registered in the program. For more information, refer to Time Span in our <u>Glossary of Terms</u>. If certificate requirements change and courses are no longer available, you may request <u>Course Substitutions/Directives</u>. You must apply to graduate on <u>my.ryerson</u> (RAMSS) within the appropriate application deadlines (refer to <u>Important Dates</u>). Visit <u>Graduation</u> for details.

Admission Criteria



Recommended:

- Ontario Secondary School Diploma (OSSD) or equivalent
 - With 6 Grade 12 U or M credits

OR

• Mature student status

If you are an undergraduate student, you should be aware of possible certificate restrictions. Check <u>Curriculum Advising</u> of for complete details.





Q Login *

Courses and Programs ∨

Enrolment ✓

Students >

Meet Ron: Chang School L...

Services and Support ➤

Contact Us ∨

Search

Community Engagement, Leadership, and Development

A Certificate

Register now **()**

FULLY ONLINE

Seeking meaningful, transformative work rooted in the community and its well-being? Find it through our Certificate in Community Engagement, Leadership, and Development. From policy and processes to mobilization, you will have the chance to immerse yourself in a practical and comprehensive certificate and apply your learnings in the community.

Engage with topics such as food security, family support, Indigenous communities' world views, social work, fundraising, and conflict

resolution. This program is geared toward practitioners from a variety of areas, including social services, education, labour, health, housing, transportation, and more.

Get Connected 2

Industry and Careers

Specially designed in consultation with community practitioners who work in the field, this certificate helps students to develop or enhance their career in a wide variety of areas within the community engagement and services sector.

This certificate can lead to career paths in various roles. Here are some examples:

- Community educator
- Community outreach coordinator
- Housing support worker
- Labour organizer, leader, or union steward
- Manager of a hospital or other health institution
- Occupational therapist
- Physiotherapist
- Program manager for a non-governmental organization (NGO)
- · Relief harm reduction worker
- School board community relations consultant
- Social housing manager
- Social worker

Who Should Take This Certificate?

· Undergraduate, and recently graduated students in fields including: social work, child and youth care, early childhood studies, nursing, midwifery, public health, urban and regional planning, political science, education, and healthcare



Electives (select 2)

CFNY 407 Community

Development and Food Security

Next Offered: Spring/Summer 2023

CINP 913 Leadership in

Nonprofits

Next Offered: Fall 2022

CINT 900 Program Planning and Evaluation Strategies

Next Offered: Fall 2022

CINT 902 Disability Issues

Next Offered: Fall 2022

CINT 904 Health Promotion and

Community Development

Next Offered: Fall 2022

CINT 905 Conflict Resolution in

Community Services

Next Offered:Spring/Summer 2022

CINT 907 Team Work for

Community Services

Next Offered:Fall 2022

CINT 908 Homelessness in

Canadian Society

Next Offered: Fall 2022

CINT 910 Aboriginal Peoples, Pol.

and Reconciliation

Next Offered: Fall 2022

CINT 911 International

Community Development

- Individuals who wish to pursue a career serving and interacting with community services related to development, health, housing, municipal government, and charitable and non-governmental programs
- Experienced community workers seeking to further enhance their education, skill set, and career opportunities

What Will You Learn?

This certificate is comprehensive in its teachings of community engagement and the related challenges, providing learners with a well-rounded understanding of both theory in the classroom and practice in the community. After completing this certificate, you will be able to do the following:

- Enact and support active citizen participation in community and civic affairs
- Engage excluded groups to improve the well-being of neighbourhoods and organizations
- Assess and understand the demographics of an area
- Guide community outreach and engagement initiatives
- Develop and support the implementation of an engagement plan with diverse communities
- Advocate, conduct research, and evaluate community programs

Certificate Requirements

- 4 required course
- 2 electives
- Cumulative grade point average (GPA) of 1.67+

To graduate, you must successfully complete, within your official time span, the requirements from the year you registered in the program. For more information, refer to Time Span in our <u>Glossary of Terms</u>. If certificate requirements change and courses are no longer available, you may request <u>Course Substitutions/Directives</u>. You must apply to graduate on <u>my.ryerson</u> (RAMSS) within the appropriate application deadlines (refer to <u>Important Dates</u>). Visit <u>Graduation</u> for details.

Admission Criteria

Recommended:

- Ontario Secondary School Diploma (OSSD) or equivalent
 - With 6 Grade 12 U or M credits

OR

• Mature student status with relevant work experience

Awards and Financial Aid

+

Frequently Asked Questions

+

Contact Us

+

Next Offered: Winter 2023

CINT 914 Settlement Experiences

Next Offered:Fall 2022

CINT 916 Introduction to

Fundraising

Next Offered:Fall 2022

CINT 920 Community

Collaborations

Next Offered:Fall 2022

CINT 922 Intro to Aboriginal

Worldviews

Next Offered: Fall 2022

CINT 960 Leadership Framework

for Community

Next Offered:Fall 2022

CINT 965 Sex, Drugs and

Incarceration

Next Offered:Fall 2022

CPLE 795 Local Economic

Development Fundamentals

Next Offered:Fall 2022

CSWP 505 Critical Equity and

Movements of Resistance

CSWP 900 Race and Ethnicity

CSWP 933 Indigenous Health and

Well Being

Next Offered:Fall 2022

CTEC 210 Fundamentals of

Project Management

Next Offered:Fall 2022

CVFS 401 Contemporary Family

<u>Issues</u>

Next Offered:Spring/Summer 2023

CVFS 403 Family Supports

Theory and Practice

Next Offered: Winter 2023



Search



Q Login *

Courses and Programs ∨

Enrolment ✓

Students >

Services and Support ➤

Contact Us ∨

Register now **()**

Computer Coding (Formerly Computer Programming Applications)

A Certificate

FULLY ONLINE

The tech sector is an ever-expanding field of opportunity for coders, software developers, including web developers, Whether you're looking to advance your existing tech career and boost your coding skills, or you're interested in pursuing a new career in this dynamic sector, our Certificate in Computer Coding provides the handson coding capacities, technical knowledge and skills you need. Learn to code in the most current, indemand coding languages with employers, and master client/server architecture, dynamic databases, and enterprise network infrastructures.



Get Connected 2

Industry and Careers

Computer coders with highly developed skills are in demand for digital products and services deployment and production, and this certificate can help graduates find work in a range of companies, firms, and industries:

- Consulting firms
- Energy corporations
- Financial and insurance institutions
- Healthcare industries
- Manufacturers
- Professional and scientific institutions
- Software companies
- Technology companies
- Telecommunications companies

This certificate can lead to career paths in various roles. Here are some examples:

- Coder
- Computer programmer
- Database manager
- Network systems manager
- Software developer
- Software engineer
- Specialist in artificial intelligence (AI)

Who Should Take This Certificate?

• Individuals from a non-STEM background who wish to work as coders and gain

Required Courses

CCPS 109 Computer Science I

Next Offered: Spring/Summer 2022

CCPS 209 Computer Science II

Next Offered: Spring/Summer 2022 **CCPS 305 Data Structures**

Next Offered: Spring/Summer 2022

CCPS 393 Introduction to UNIX,

C and C++

Next Offered: Spring/Summer 2022

Electives (select 2)

CCPS 270 Data Access and

Management

CCPS 311 Object Oriented

Programming and Design

CCPS 420 Discrete Structures

Next Offered: Fall 2022

CCPS 506 Comparative

Programming Languages

Next Offered: Spring/Summer 2022

CCPS 510 Database Systems I Next Offered:Spring/Summer 2022

CCPS 590 Operating Systems I

Next Offered:Spring/Summer 2022

CCPS 610 Database Systems II

Next Offered: Fall 2022

CCPS 613 Human-Computer

CCPS 706 Computer Networks I

CCPS 721 Artificial Intelligence I

Next Offered:Spring/Summer 2022

CIND 123 Data Analytics: Basic

Methods

Next Offered:Spring/Summer 2022

CSCI 130 Mobile Robotic Devices

Embedded Systems

Next Offered:Fall 2022

CTEC 210 Fundamentals of

Project Management

Next Offered:Fall 2022

experience in hands-on coding, software engineering, database technology, web and mobile development, and related user-support positions

• IT professionals who are interested in upskilling in the most in-demand technical coding skills for career advancement

What Will You Learn?

This certificate will equip you with well-rounded technical skills. After completing this certificate, you will be able to do the following:

- · Code for and develop digital products and services
- Perform statistical and data analysis on relational databases
- Execute solutions to problems in enterprise network infrastructures, operating systems, and data communications
- Explore file management techniques involving the fundamentals of database organization, design, and management
- Use computer applications to design outdoor spaces
- · Analyze networks, operating systems, and data communications
- Implement AI Frameworks and human-computer interaction systems
- Utilize object-oriented programming languages
- · Plan and manage computer programming projects using project management tools

You'll learn how to code in these tools:

- C
- C++
- UNIX
- Python
- JavaScript
- R
- MATLAB
- SPSS
- GIS Software
- Object-oriented programming (OOP)
- Artificial intelligence frameworks
- MS Project
- 3D Studio Max
- REVIT

Certificate Requirements

- 4 required courses
- 2 electives
- Cumulative grade point average (GPA) of 1.67+

To graduate, you must successfully complete, within your official time span, the requirements from the year you registered in the program. For more information, refer to Time Span in our <u>Glossary of Terms</u>. If certificate requirements change and courses are no longer available, you may request <u>Course Substitutions/Directives</u>. You must apply to graduate on <u>my.ryerson</u> (RAMSS) within the appropriate application deadlines (refer to <u>Important Dates</u>). Visit <u>Graduation</u> for details.

Admission Criteria

Recommended:

- Ontario Secondary School Diploma (OSSD) or equivalent
 - With six Grade 12 U or M credits

OR

Mature student status with permission of the academic coordinator

If you are an undergraduate student, you should be aware of possible certificate restrictions. Check <u>Curriculum Advising</u> of for complete details.

Awards and Financial Aid	+
Frequently Asked Questions	+
Contact Us	+



Q Login * Search

Courses and Programs ∨

Enrolment ✓

Students >

Services and Support ➤

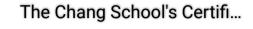
Contact Us ∨

Crime Analytics

○ Certificate

FULLY ONLINE

Be a part of the growing field of crime analytics, highly in demand by financial institutions, intelligence agencies, and private security. Crime analytics are a part of the new wave of intelligenceled policing being adopted by policing agencies across Canada. Our Certificate in Crime Analytics will equip you with not only a theoretical foundation, but also extensive practical experience with new developments in technology, and it can be completed within a year. In this certificate, you'll gain experience in using crime analysis





tools for tactical, strategic, and administrative decision-making in law enforcement.

Get Connected 2

Industry and Careers

This certificate can lead you to crime analyst positions in national security and law enforcement agencies across local, provincial, and federal lines. The program's extensive practical experience can also help students transition beyond standard policing agencies, as crime analysts are also contracted by private consulting firms and financial institutions. In law enforcement or security agencies, crime analytics are usually carried out by the civilian workforce rather than uniformed or sworn law enforcement personnel.

Who Should Take This Certificate?

- Individuals who have an interest or previous background in criminology, urban planning, geography, sociology, or psychology
- Young professionals who are looking for a more data-driven job but who to strengthen their skills in computer science

What Will You Learn?

After completing this certificate, you will be able to do the following:

- Apply your extensive practical experience in GIS mapping, data analysis, and decision support
- · Understand criminal justice, policing, and criminal behaviour
- Understand the role of crime analysts in evidence-based policing, and the uses and misuses of data analysis

Register now **()**

Required Courses

CCRM 100 Introduction to Canadian Criminal Justice

Next Offered:Fall 2022

CODG 101 Spatial Databases and Digital Cartography

Next Offered:Fall 2022

CODG 102 Digital Geography and Spatial Analysis

Next Offered: Fall 2022

CODC 910 Spatial Methods in Crime Analysis

Next Offered:Fall 2022

CODC 911 Crime Analytics Project

Next Offered: Winter 2023

Electives (select 1)

CCRM 102 Introduction to Criminology

Next Offered: Spring/Summer 2022

CCRM 300 Policing in Canada

Next Offered:Fall 2022

CODG 127 Digital Geography Applications in Community and Social Services

CODG 210 Spatial Database Management Systems

Next Offered: Fall 2022

CODG 212 Spatial Statistical Methods

Next Offered: Winter 2023

CPSY 300 Psychology and Law

Next Offered:Spring/Summer 2022

CPSY 622 The Psychology of Criminal Behaviour

Certificate Requirements

- 5 required courses

• Cumulative grade point average (GPA) 1.6/+

To graduate, you must successfully complete, within your official time span, the requirements from the year you registered in the program. For more information, refer to Time Span in our <u>Glossary of Terms</u>. If certificate requirements change and courses are no longer available, you may request <u>Course Substitutions/Directives</u>. You must apply to graduate on <u>my.ryerson</u> (RAMSS) within the appropriate application deadlines (refer to <u>Important Dates</u>). Visit <u>Graduation</u> for details.

Recommended: Ontario Secondary School Diploma (OSSD) or equivalent With 6 Grade 12 U or M credits OR Mature student status Awards and Financial Aid Contact Us +



Search Q Login -

Courses and Programs ➤

Enrolment ✓

Students >

Services and Support ∨

Contact Us ∨

Criminal Justice and Criminology

A Certificate



Join an important and dynamic field. Learn about how the criminal justice system operates and explore the key players and institutions. Examine how people are affected by the justice system and other institutions of regulation.

Prepare for work in criminal justice—related fields or to transition into a related undergraduate program.

Not ready to enrol but want to learn more?

Fill out this form and a representative from The Chang School will contact you.

Express interest Z

This program will help you understand the balancing of the interests of victims, offenders, the public, and politicians, along with concerns about human rights and social justice.

You may be interested if you already work in the public or private sector and are seeking to enter, change, or advance your career in fields related to criminal justice.

What Will You Learn? + Who Should Take This Certificate? + Who Teaches the Courses? + Industry and Careers + Certificate Requirements 2 required courses 3 electives from Group A

- 1 elective from Group B
- Cumulative grade point average (GPA) 1.67+

To graduate, you must successfully complete, within your official time span, the requirements from the year you registered in the program. For more information,

requirements from the year you registered in the program. For more information,

Register now **1**

Required Courses

CCRM 100 Introduction to
Canadian Criminal Justice

Next Offered: Fall 2022

CCRM 102 Introduction to Criminology

Next Offered:Spring/Summer 2022

Electives - Group A (select 3)

CCRM 200 Criminal Law

Next Offered:Fall 2022

CCRM 202 Victims and the Criminal Process

CCRM 300 Policing in Canada

Next Offered:Fall 2022

CCRM 304 Youth Justice in Canada

CCRM 306 Corrections in Canada

CCRM 308 Criminal Courts in Canada

CCRM 402 Criminal Justice and Social Inequality

Next Offered: Winter 2023

Electives - Group B (select 1)

CGEO 581 GIS, Geographic Data and Mapping

CPHL 449 Philosophy of

<u>Punishment</u>

CPHL 612 Philosophy of Law
Next Offered Fell 2022

Next Offered:Fall 2022

CPSY 300 Psychology and Law

Next Offered:Spring/Summer 2022

CPSY 602 Developmental

Psychopathology

Next Offered:Fall 2022

CSOC 500 Youth and Society

CSOC 502 Violence and the Family

Next Offered:Fall 2022

refer to time Span in our Giossary of Terms. If certificate requirements change and

courses are no longer available, you may request <u>Course Substitutions/Directives</u>. You must apply to graduate on <u>my.ryerson</u> (RAMSS) within the appropriate application deadlines (refer to <u>Important Dates</u>). Visit <u>Graduation</u> for details.

Admission Criteria



Recommended:

- Ontario Secondary School Diploma (OSSD) or equivalent
 - With 6 Grade 12 U or M credits

OR

 Mature student status with relevant work experience including policing, corrections, courts, social service agencies, security management services, or regulatory enforcement agencies

If you are an undergraduate student, you should be aware of possible certificate restrictions. Check <u>Curriculum Advising</u> of for complete details.

Awards and Financial Aid



Contact Us





Search Q Login -

Courses and Programs ➤

Enrolment ✓

Students >

Services and Support ➤

Contact Us ∨

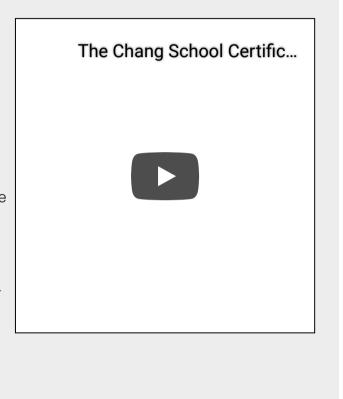
Cybersecurity, Data Protection and Digital Forensics

A Certificate

Register now **3**

FULLY ONLINE

Equip yourself with a diverse set of technical cyber security skills and be hired into the cybersecurity field through our Certificate in Cybersecurity, Data Protection, and Digital Forensics. Gain first-hand experience with key industry tools and technical skills necessary to work in the field through virtual labs and real-work projects. The practical experience you can gain through this certificate will include collecting digital evidence after a cybersecurity break, legal hacking, and detecting and closing any security gaps.



Get Connected 2

This certificate will qualify you to take the Certified Information Systems Security Professional (CISSP) exam and other similar examinations. Graduate with the right tools and a recognized certification are able to attain cybersecurity positions across the private and public sectors right away.

Industry and Careers

Analysts with highly developed skills provide protection and security while upholding international laws in cybersecurity. Completion of this certificate can lead to roles within the following industries:

- Consulting firms
- Financial institutions such as banks
- Government entities
- IT companies
- Law enforcement
- Major corporations

Who Should Take This Certificate?

- Individuals who seek to enrich their existing knowledge and learn the essential technical and real-work capabilities intrinsic to computer security assurance and cybersecurity forensics
- Employees in public and private corporations and government entities who wish to improve or develop skills sets in cybersecurity
- Individuals who aspire to join a field with long-term career prospects

What Will You Learn?

You may only select 1 of CKDF 145, CSCI 243, or CZLW 120. CKDF 110 Computer Network Security Next Offered: Fall 2022 CKDF 120 Computer Cryptography and Digital

Cryptography and Digital
Steganography

Next Offered:Fall 2022

Required Courses

CKDF 130 Digital Forensics
Systems

Next Offered:Fall 2022

CKDF 140 Security Architecture and Design

Next Offered:Fall 2022

CKDF 145 Certified Information
Systems Security Professional
(CISSP)

Next Offered:Fall 2022

CKDF 150 Digital Forensics Investigation

Next Offered:Fall 2022

CSCI 243 Continuity and Risk

Management

Next Offered:Fall 2022

CZLW 120 Law for Forensics
Professionals

Next Offered:Spring/Summer 2023

This program teaches a set of technical cybersecurity skills that can be applied to systems security, protection, and privacy as a cybersecurity specialist at your workplace. After completing this certificate, you will be able to do the following:

- Extract evidence using investigative protocols and report on a variety of complex issues that may arise in enterprise information systems. Here are some examples:
 - Network and computer hacking
 - Cyber extortion
 - Organized cyber crime
 - Cyber espionage detection
- Understand privacy and security protocols in compliance with complex legal and regulatory parameters
- Apply best-in-kind cybersecurity technical practices to real world problems. Here are some examples:
 - White/black box penetration testing
 - System and network vulnerability identification
 - Security weakness remediation
- Manage and evaluate information security and data protection functions integrated within the greater organizational governance structure

Tools in use include the following:

- Penetration testing
 - Kali Linux, Metasploit
- Network assessment and protection
 - Wireshark, Nmap, Ncrack, Nessus, hping3
- WebGoat
- Online virus scanners
- Intrusion detection
 - iptables
 - Snort
- Encryption and decryption methods
 - Certificate authority/digital signatures and digital watermarking
 - Hash functions
 - CrypTool, S-Tools
- Forensics analysis
 - Autopsy
 - Honeypots
 - FTK Imager
 - Mobile: iPhone Analyzer

Certificate Requirements

- 6 required courses
- Cumulative grade point average (GPA) of 1.67+

To graduate, you must successfully complete, within your official time span, the requirements from the year you registered in the program. For more information, refer to Time Span in our <u>Glossary of Terms</u>. If certificate requirements change and courses are no longer available, you may request <u>Course Substitutions/Directives</u>. You must apply to graduate on <u>my.ryerson</u> (RAMSS) within the appropriate application deadlines (refer to <u>Important Dates</u>). Visit <u>Graduation</u> for details.

Admission Criteria

Recommended:

- Ontario Secondary School Diploma (OSSD) or equivalent
 - With 6 Grade 12 U or M credits (including English)
 - With a minimum average of 70 percent

• Mature student status Note: Knowledge of TCP/IP is recommended. Awards and Financial Aid Frequently Asked Questions + Contact Us +



Courses and Programs ✓

Enrolment ✓

Students >

Services and Support ➤

Contact Us ✓

Register now

Search

Q Login ▼

Data Analytics, Big Data, and Predictive Analytics

Certificate

FULLY ONLINE

Data literacy is critical for a number of industries, and data science is another emerging field in high demand in the job market. From product research and development to infrastructure and finance, the need for a foundation in analytics is growing. Rise to meet the challenges posed by data science, and set yourself up for career advancement with our Certificate in Data Analytics, Big Data, and Predictive Analytics.

Meet Lanzo: Chang Schoo...

Get Connected 2

With hands-on learning, this certificate will provide you with a strong foundation in analytics, tools, and statistics. It will guide you in using data analytics, big data, and predictive analytics to optimize performance in fields like data warehousing, data management, IT, and more. Upon completing the certificate, you will be prepared to take the INFORMS Certified Analytics Professional (CAP®) exam to become a certified professional in this new and growing field.

Industry and Careers

The skills taught in this certificate are applicable across nearly all sectors. Whether you wish to enrich your skill set in the following roles, or you are interested in pursuing a new career, this certificate offers opportunities for a variety of career paths:

- Applied statistician
- Business analyst
- Data analyst
- Data scientist
- Financial analyst

Who Should Take This Certificate?

- Individuals who wish to enhance their existing knowledge of data and analytics and learn the fundamental components of the world of big data
- Employees in both public and private corporations and government entities, who are looking to advance in a job with long-term career prospects

What Will You Learn?

You will gain relevant, timely, and effective education in data analytics foundations, basic and advanced analytics methods, and big data analytics tools. After completing this certificate, you will be able to do the following:

 Demonstrate fundamental concepts and techniques of big data and its industrial applications

Required Courses

You may only select 1 of CIND 110 or CCPS 270.

CCPS 270 Data Access and Management

CIND 110 Data Organization for Data Analysts

Next Offered:Spring/Summer 2022

CIND 119 Introduction to Big Data

Next Offered:Spring/Summer 2022

CIND 123 Data Analytics: Basic Methods

Next Offered:Spring/Summer 2022

CIND 820 Big Data Analytics
Project

CIND 830 Python Programming for Data Science

Next Offered:Spring/Summer 2022

CMTH 642 Data Analytics:
Advanced Methods

Next Offered:Spring/Summer 2022

- Develop analytical and numerical expressions using real problems
- Apply engineering mathematics and computations to solve mathematical models
- Know where to take your career next and how to further enrich your knowledge and experience

Tools in use include the following:

- R
- SAS
- Python
- Tableau
- XPath and XQuery
- Structured Query Language (SQL)
- Hadoop (MapReduce)

Data Collection and Storage Tools

- MySQL
- MongoDB

Analytics Tools

- Python Libraries for Data Analysis
- R Packages for Data Analysis

Integrated Development Environment (IDE)

- MySQL Workbench
- RStudio
- MS-VSCode
- Robo3T

Certificate Requirements

- 6 required courses
- Cumulative grade point average (GPA) of 1.67+

To graduate, you must successfully complete, within your official time span, the requirements from the year you registered in the program. For more information, refer to Time Span in our <u>Glossary of Terms</u>. If certificate requirements change and courses are no longer available, you may request <u>Course Substitutions/Directives</u>. You must apply to graduate on <u>my.ryerson</u> (RAMSS) within the appropriate application deadlines (refer to <u>Important Dates</u>). Visit <u>Graduation</u> for details.

Admission Criteria

Recommended:

- Ontario Secondary School Diploma (OSSD) or equivalent
 - With 6 Grade 12 U credits (including English, Mathematics (Advanced Functions and one of either Calculus and Vectors or Data Management), and Science (Biology or Chemistry or Physics)) OR M credits with a minimum average of 70 percent or equivalent academic status

OR

- Mature student status with 4 years of relevant professional experience
 - And permission of the academic coordinator

Frequently Asked Questions

Awards and Financial Aid	+
Contact Us	+



Courses and Programs ➤ Enrolment >

Students >

Want to find out more about the

connect with this program and

receive updates.

Certificate in Design for Arts and

Entertainment? Express interest to

Services and Support ➤

Contact Us ∨

Search

Q Login ▼

Design for Arts and Entertainment

A Certificate



Prepare for a career in scenography and learn to design for motion pictures, live entertainment, and cultural events.

This certificate program will help you develop the skills needed to make set, prop, and costume design proposals.

Upon successful completion, we will direct you to paid apprenticeships in Toronto's

vibrant entertainment sector through a

policy of ongoing mentorship, including any additional professional development you may need.

This program offers the following benefits:

- Enrol right away open admissions with no application required
- Take Ryerson degree-credit courses
- Prepare for recognition by leading professional associations (additional training required)
- Apply for merit-based awards



Register now **()**

Required Courses

CDID 150 Design Theory

Next Offered:Fall 2022

CDID 170 Drafting for

Entertainment

CDMP 130 History of Arts and

Scenography

Next Offered: Winter 2023

CFPN 501 Scenography I: Art

Direction

Next Offered:Fall 2022

CFPN 601 Scenography II -

Production Design

Next Offered: Winter 2023

Electives (select 2)

CCMN 314 Professional

Presentations

Next Offered: Fall 2022

CDFA 104 Fashion Drawing I

CDFC 106 Fashion, Culture, and **Society**

CDFP 391 History of Photography

Next Offered: Fall 2022

CDID 552 Entertainment Lighting Design

CDMP 120 Film History

CENG 101 Laughter and Tears:

Comedy and Tragedy

Next Offered: Fall 2022

CFPN 323 Sound Design for

Digital Media I

Next Offered: Winter 2023

CFPN 531 Cinematography and

Lighting Design I

CMPC 203 Art in the Modern

World

Next Offered: Winter 2023

CRTA 180 Music and Film

Next Offered:Spring/Summer 2022

• Cumulative grade point average (GPA) of 1.67+

To graduate, you must successfully complete, within your official time span, the requirements from the year you registered in the program. For more information, refer to Time Span in our <u>Glossary of Terms</u>. If certificate requirements change and courses are no longer available, you may request <u>Course Substitutions/Directives</u>. You must apply to graduate on <u>my.ryerson</u> (RAMSS) within the appropriate application deadlines (refer to <u>Important Dates</u>). Visit <u>Graduation</u> for details.

Recommended Course Sequence Why Register for the Certificate? Admission Criteria Recommended: Ontario Secondary School Diploma (OSSD) or equivalent With 6 Grade 12 U or M credits (including English) With a minimum average of 60 percent

OR

• Mature student status with relevant professional experience

Note: If you have no previous drawing experience, you must successfully complete <u>CDID 803 - Drawing Fundamentals</u>.

Awards and Financial Aid	+
Frequently Asked Questions	+
Testimonials	+
Course Delivery Schedule	+
Contact Us	+



Search Q Login -

Courses and Programs ➤

Enrolment ∨

Students >

Want to find out more about the

program and receive updates.

Certificate in Design Management?

Express interest to connect with this

Services and Support ➤

Contact Us ∨

Design Management

A Certificate



Important note: The Certificate in Design Management will be discontinued in Fall 2022. Your final opportunity to register for this certificate program will be the Spring/Summer 2022 term; classes begin the week of May 2.

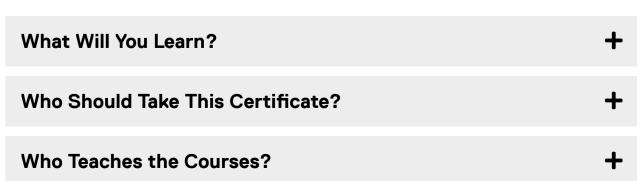
Interested in this certificate? Contact our Client Services Advisors at <u>ce@ryerson.ca</u> for more information.

In today's dynamic economy, the skills of designers are particularly valuable. Design management has become recognized all over the world as a core competency for companies in a variety of industry sectors.

This multi-disciplinary certificate program explores how to manage design effectively to achieve economic, social, and environmental advantage in the modern business environment. It will also teach you to manage the creative skills of designers to achieve specific strategic goals. Management in design firms is also addressed.

This program offers the following benefits:

- Enrol right away open admissions with no application required
- Take a mix of online and in-class courses
- Take Ryerson degree-credit courses
- Get real industry experience through internship, practicum, or project-based opportunities
- Finish your certificate faster through our intensive schedule option
- · Apply for merit-based awards



Register now **②**

Required Courses

CDDM 101 Introduction to Design Management

Next Offered:Fall 2022

CDDM 102 Design Management II

Next Offered: Winter 2023

CDDM 103 Design Management

Project

Next Offered:Spring/Summer 2023

Electives (select 5)

CCMN 314 Professional

Presentations
Next Offered: Fall 2022

CDDM 104 Design Awareness I

CDDM 106 Design Research

CDID 150 Design Theory

Next Offered:Fall 2022

CENT 500 New Venture Startup

Next Offered:Fall 2022

CGCM 110 Introduction to

Graphic Communications

Next Offered:Spring/Summer 2023

CITM 100 Foundations of

<u>Information Systems</u>

Next Offered:Fall 2022

CMHR 405 Organizational

<u>Behaviour</u>

CMKT 100 Principles of

Marketing

Next Offered:Fall 2022

CTEC 210 Fundamentals of

Project Management

Next Offered:Fall 2022

Industry and Careers



Certificate Requirements

- 3 required courses
- 5 electives
- Cumulative grade point average (GPA) of 1.67+

To graduate, you must successfully complete, within your official time span, the requirements from the year you registered in the program. For more information, refer to Time Span in our <u>Glossary of Terms</u>. If certificate requirements change and courses are no longer available, you may request <u>Course Substitutions/Directives</u>. You must apply to graduate on <u>my.ryerson</u> (RAMSS) within the appropriate application deadlines (refer to <u>Important Dates</u>). Visit <u>Graduation</u> for details.

Recommended Course Sequence



Admission Criteria



Recommended:

- Ontario Secondary School Diploma (OSSD) or equivalent
 - With 6 Grade 12 U or M credits

OR

• Mature student status

Note: Work experience and/or post-secondary education related to design or business is desirable.

Awards and Financial Aid



Contact Us





Search Q Login -

Courses and Programs ➤

Enrolment ✓

Students >

Services and Support ➤

Contact Us ∨

Digital Art Production

A Certificate

FULLY ONLINE

Develop your creative and technical skills in digital content production.

Learn design, visual communication, interaction design, and storytelling skills. Enrich your understanding of art, media, and culture.

This six-course, fully-online program is offered in cooperation with Ryerson University's School of Image Arts. It is the only part-time program in Canada that offers a combination of applied creative and digital courses at the university degree-credit level.





Industry and Careers

This certificate could lead career paths in:

- Animation
- Computer-generated effects
- Digital art
- Digital games
- Graphic design
- · Interaction and interface design
- Mobile app development
- Web design

Who Should Take This Certificate?

- Individuals looking to gain a solid foundation for further study at the undergraduate or graduate level
- Working professionals looking to make a career change to a rapidly growing creative field
- Visual artists looking to enhance their work in film, photography, fine art, graphic design, or journalism to expand their audience

This certificate program offers students the opportunity to apply some or all of the credit earned through the certificate as transfer credits to a BFA in Image Arts at Ryerson or at other universities (subject to admission and the requirements of the degree to which you are applying).

What Will You Learn?

After completing this certificate, you will be able to:

Create original content and integrate it into the digital world

Gain theoretical, historical, and contemporary knowledge of art, design, and global communication

Register now **2**

Required Courses

CMPC 101 Visual Studies I

Next Offered:Fall 2022

CMPC 103 Art and the Classical Tradition

Next Offered:Fall 2022

Electives (select 4)

CDMP 125 Fiction Screenwriting

Next Offered: Fall 2022

CEID 100 Digital Skills: Int'l

Innovation

Next Offered: Spring/Summer 2023

CFPN 534 Graphic Design

Next Offered:Fall 2022

CFPN 535 User Experience

<u>Design</u>

Next Offered:Fall 2022

CFPN 537 Immersive Imaging

CFPN 539 The Human Figure

CFPN 541 Digital Animation

Concepts

Next Offered:Fall 2022

CFPN 542 Design for Mobile

Devices

CFPN 547 Co-Operative

<u>Internship</u>

CMPC 203 Art in the Modern

World

Next Offered: Winter 2023

CNPF 566 History of Animation

Next Offered: Winter 2023

You can also customize your learning through your choice of electives that focus on skills including fiction screenwriting, digital skills and innovation, graphic design, interaction design, design for mobile devices, and more.

You can also choose to take a <u>Co-Operative Internship course</u> to gain professional experience in production situations and settings.

Certificate Requirements



- 2 required courses
- 4 electives
- Cumulative grade point average (GPA) of 1.67+

To graduate, you must successfully complete, within your official time span, the requirements from the year you registered in the program. For more information, refer to Time Span in our <u>Glossary of Terms</u>. If certificate requirements change and courses are no longer available, you may request <u>Course Substitutions/Directives</u>. You must apply to graduate on <u>my.ryerson</u> (RAMSS) within the appropriate application deadlines (refer to <u>Important Dates</u>). Visit <u>Graduation</u> for details.

Admission Criteria



Recommended:

- Ontario Secondary School Diploma (OSSD) or equivalent
 - With 6 Grade 12 U or M credits
 - With a minimum average of 60 percent

OR

• Mature student status

If you are an undergraduate student, you should be aware of possible certificate restrictions. Check <u>Curriculum Advising</u> of for complete details.

Awards and Financial Aid + Frequently Asked Questions + Contact Us +

Courses and Programs ➤

Enrolment >

Students >

Services and Support ➤

Contact Us >

Register now

Q Login -

Search

Economics and Finance

Certificate

FULLY ONLINE

Designed for students who aspire to careers in banking and finance, this certificate can help you join an exciting industry or accelerate your current work in these fields. Our Certificate in Economics and Finance will help prepare you to qualify as a Chartered Financial Analyst (CFA) or Certified Financial Planner (CFP), or to pursue graduate studies in economics, finance, or business administration.

Get Connected 2



Industry and Careers

Careers in economics and finance require many of the same skills, including the ability to analyze information, compile statistics, and make informed decisions. Professionals with these skills are particularly valuable to banks and other financial institutions.

This certificate can help you meet the educational criteria for several in-demand professional designations, including Chartered Financial Analyst (CFA) and Certified Financial Planner (CFP). It can also help you prepare to take the Canadian Securities Examination or pursue graduate studies in economics, finance, or business administration.

Who Should Take This Certificate?

- Individuals aspiring to a career in banking and finance, or if you're already working in these fields and want to accelerate your career
- Career professionals who want to prepare to qualify as a Chartered Financial Analyst (CFA) or Certified Financial Planner (CFP)
- Students who want to pursue graduate studies in economics, finance, or business administration

What Will You Learn?

Develop strong analytical skills through a wide range of introductory economics courses and specialized finance courses. Build a foundation in microeconomics, macroeconomics, and monetary economics.

Learn the major concepts in finance and investments, including the time value of money, discounted cash flows, and risk and return.

This certificate will also provide you with a thorough introduction to the mathematics of asset valuation and an overview of security analysis and portfolio management, including:

- equilibrium pricing relationships
- efficient market hynothesis

Required Courses

CECN 104 Introductory

Microeconomics

Next Offered:Fall 2022

CECN 204 Introductory

Macroeconomics Next Offered:Fall 2022

CFIN 300 Managerial Finance I

Next Offered:Fall 2022

CFIN 401 Managerial Finance II

Next Offered:Fall 2022

Electives (select 2)

You may only select 1 of CECN 721 or CFIN 621.

CECN 129 Statistics for

Economics I

CECN 301 Intermediate

Macroeconomics I

Next Offered:Fall 2022

CECN 504 Intermediate

Microeconomics I

Next Offered:Fall 2022

CECN 506 Money and Banking

Next Offered:Fall 2022

CECN 606 International Monetary

Economics

Next Offered:Fall 2022

CECN 703 Public Sector

Economics

CECN 721 International Financial

<u>Markets</u>

CFIN 501 Investment Analysis

Next Offered:Fall 2022

CFIN 502 Personal Financial

<u>Planning</u>

Next Offered:Fall 2022

CFIN 510 Small Business Finance

CFIN 512 Risk Management and Insurance

Next Offered:Winter 2023

CFIN 601 Derivatives

CFIN 612 Retirement and Estate

· OTHOROTE HIGHER HYPOCHOOLO
evaluation of portfolio performance
modern portfolio theory
treasury bills and bonds
valuation of common stock
risk and return
Certificate Requirements -
4 required courses
• 2 electives
Cumulative grade point average (GPA) of 1.67+
To graduate, you must successfully complete, within your official time span, the requirements from the year you registered in the program. For more information, refer to Time Span in our Glossary of Terms. If certificate requirements change and courses are no longer available, you may request Course Substitutions/Directives. You must apply to graduate on my.ryerson (RAMSS) within the appropriate application deadlines (refer to Important Dates). Visit Graduation for details.
Admission Criteria -
Recommended:
 Ontario Secondary School Diploma (OSSD) or equivalent With 6 Grade 12 U credits (including English, Mathematics (one of which must be Advanced Functions, Calculus and Vectors, or Data Management) Or with M credits with a minimum average of 70 percent or equivalent academic status
OR
Mature student status
AND
CACC 110 or equivalent
If you are an undergraduate student, you should be aware of possible certificate restrictions. Check <u>Curriculum Advising</u> restrictions.

Professional Designations and Accreditation

Awards and Financial Aid

Contact Us

<u>Planning</u>

Next Offered:Spring/Summer 2023

CFIN 621 International Finance
Next Offered:Spring/Summer 2023

Courses and Programs ➤

Enrolment ∨

Students >

Services and Support ∨

Contact Us ∨

Register now

Q Login -

Search

Economics: Fundamentals

Certificate

FULLY ONLINE

Build a solid foundation in the principles of Economics and general Economic Theory. This certificate is designed for students with no previous training in Economics and will introduce you to key concepts and theories.

Knowledge of Economics can be useful for careers in a wide variety of fields or can serve as the first step towards more advanced academic studies.

Not ready to enrol but want to learn more?

Fill out this form and a representative from The Chang School will contact you.

By completing this certificate, you will be able to demonstrate knowledge of basic microeconomic and macroeconomic theory, and their application to various subfields of Economics, including Environmental Economics, Monetary Economics, and International Economics.

Once you complete this certificate, you may also be interested in taking our more advanced Certificate in Economics: Theory and Applications.

This certificate can be completed entirely online.

What Will You Learn?	
Who Should Take This Certificate?	
Who Teaches the Courses?	
Industry and Careers	

Certificate Requirements

- 2 required courses
- 2 electives*

Testimonials

• Cumulative grade point average (GPA) of 1.67+

*If you plan to pursue the <u>Certificate in Economics: Theory and Applications</u>, you should select CECN 189, as it is a prerequisite for the program.

To graduate, you must successfully complete, within your official time span, the requirements from the year you registered in the program. For more information, refer to Time Span in our <u>Glossary of Terms</u>. If certificate requirements change and courses are no longer available, you may request <u>Course Substitutions/Directives</u>. You must apply to graduate on <u>my.ryerson</u> (RAMSS) within the appropriate application deadlines (refer to <u>Important Dates</u>). Visit <u>Graduation</u> for details.

Required Courses

CECN 104 Introductory

Microeconomics

Next Offered:Fall 2022

CECN 204 Introductory

<u>Macroeconomics</u>

Next Offered:Fall 2022

Electives (select 2)

If you plan to pursue the Certificate in Economics: Theory and Applications, you should select CECN 189, as it is a prerequisite for the program.

CECN 189 Mathematics for

Economics I

Next Offered:Fall 2022

CECN 220 Evolution of the Global

Economy

CECN 301 Intermediate

Macroeconomics I

Next Offered:Fall 2022

CECN 321 Introduction to Law

and Economics

Next Offered:Fall 2022

CECN 340 The Economics of

Human Behaviour

Next Offered:Spring/Summer 2023

CECN 502 Economics of Energy

and Natural Resources

CECN 504 Intermediate

Microeconomics I

Next Offered:Fall 2022

CECN 506 Money and Banking

Next Offered:Fall 2022

CECN 511 Economy and

Environment

Next Offered:Spring/Summer 2023

CECN 512 The Economics of Sex

CECN 603 Economic Issues in

Globalization

Next Offered:Spring/Summer 2023

CECN 640 Economics of Immigration

Admission Criteria

CECN 722 Economic Issues in Professional Sports

Next Offered:Winter 2023

Recommended:

- Ontario Secondary School Diploma (OSSD) or equivalent
 - With 6 Grade 12 U credits (including English or Mathematics)
 - Or With M credits

OR

• Mature student status

Awards and Financial Aid Contact Us



Courses and Programs ➤

Enrolment >

Students >

Services and Support ∨

Contact Us ∨

Register now

Q Login -

Search

Economics: Theory and Applications

Certificate

Learn how to apply mathematical and statistical tools to the analysis of a wide variety of economic and business problems. Build on your existing knowledge to gain an advanced understanding of Economics.

If you've already completed the <u>Certificate</u> in <u>Economics: Fundamentals</u>, this certificate can help you develop a deeper understanding of economic theory and quantitative methods.

Not ready to enrol but want to learn more?

Fill out this form and a representative from The Chang School will contact you.

Express interest 7

With economic forces at play everywhere in both the private and public sectors, this certificate can help you gain a competitive edge in a wide range of career paths. It may also serve as a stepping stone if you have a degree in another field but wish to pursue graduate studies in Economics or a related field.

What Will You Learn? Who Should Take This Certificate? Who Teaches the Courses? Industry and Careers

1 required course

Certificate Requirements

- 3 electives*
- Cumulative grade point average (GPA) of 1.67+

To graduate, you must successfully complete, within your official time span, the requirements from the year you registered in the program. For more information, refer to Time Span in our <u>Glossary of Terms</u>. If certificate requirements change and courses are no longer available, you may request <u>Course Substitutions/Directives</u>. You must apply to graduate on <u>my.ryerson</u> (RAMSS) within the appropriate application deadlines (refer to <u>Important Dates</u>). Visit <u>Graduation</u> for details.

Suggested Elective Groupings

Students may choose electives from a variety of areas in economics, or they may choose to focus on a specific area to achieve their individual goals. The electives may be grouped as follows:

Required Courses (select 1)

CECN 301 Intermediate

Macroeconomics I

Next Offered:Fall 2022

CECN 504 Intermediate

Microeconomics I

Next Offered:Fall 2022

Electives (select 3 not previously taken in Required Courses)

CECN 230 Mathematics for

Economics II

Next Offered:Spring/Summer 2023

CECN 301 Intermediate

Macroeconomics I

Next Offered:Fall 2022

CECN 501 Industrial Organization

CECN 504 Intermediate

Microeconomics I

Next Offered:Fall 2022

CECN 510 Environmental

Economics

CECN 600 Intermediate

Macroeconomics II

Next Offered:Fall 2022

CECN 601 Economics of

<u>Information</u>

CECN 605 Labour Economics

CECN 606 International Monetary

Economics

Next Offered:Fall 2022

CECN 614 An Introduction to

Game Theory

CECN 627 Econometrics I

Next Offered:Spring/Summer 2023

CECN 700 Intermediate

Microeconomics II

Next Offered:Fall 2022

CECN 702 Econometrics II

CECN 703 Public Sector

Economics

CECN 707 Economics of

International Trade I

^{*}You must take 3 selections from the Electives (that you haven't already taken as Required Courses).

Core Economics: CECN 301, CECN 504, CECN 600, CECN 700

International Economics: CECN 301, CECN 504, CECN 606, CECN 700, CECN

707

Macroeconomics: <u>CECN 301</u>, <u>CECN 600</u>, <u>CECN 606</u>, <u>CECN 808</u>, <u>CECN 815</u> **Microeconomics:** <u>CECN 501</u>, <u>CECN 504</u>, <u>CECN 601</u>, <u>CECN 614</u>, <u>CECN 700</u>, <u>CECN 808</u>

<u>715</u>

Applied Economics: CECN 301, CECN 605, CECN 627, CECN 702

Economic Policy: CECN 301, CECN 510, CECN 703, CECN 803

Admission Criteria

Recommended:

- Ontario Secondary School Diploma (OSSD) or equivalent
 - With 6 Grade 12 U credits (including English or Mathematics)
 - Or With M credits

OR

• Mature student status

AND

- The following course or equivalent:
 - CECN 189 Mathematics for Economics I

Awards and Financial Aid

+

Contact Us

•

<u>miternational made i</u>

Next Offered:Spring/Summer 2023

CECN 715 Advanced Microeconomics

CECN 803 Canadian Tax Policy

CECN 808 Economic Growth and

Technological Change
CECN 815 Advanced

Macroeconomics



Search



Q Login *

Courses and Programs ∨

Enrolment ✓

Students >

Services and Support ➤

Contact Us ✓

Emergency Management, Threat and Response Planning

A Certificate

Register now **()**

FULLY ONLINE

Emergency response planning is now part of our "new normal" - every organization needs to prepare for and respond to a range of scenarios that can affect their operations in difficult times. Our fully online four-course certificate will give you a practical and timely foundation in key emergency management, threat planning, risk and continuity management, and response planning concepts that can minimize the impact of emergencies. Be part of the new generation of professionals equipped with the flexible, in-demand skills needed for Canadian and global emergency management.



Required Courses

CSCI 230 Emergency Management Practice

Next Offered:Fall 2022

CSCI 232 Incident and Operations

Management

Next Offered:Fall 2022

CSCI 234 Analysis of Critical

Incidents

Next Offered:Fall 2022

CSCI 243 Continuity and Risk

Management

Next Offered: Fall 2022

Get Connected 2

Industry and Careers

Analysts with highly developed skills in disaster and emergency management are required in the following areas:

- Businesses and other for-profit enterprises
- Community development organizations
- Disaster mitigation and recovery operations
- Emergency services
- Humanitarian agencies
- NGOs
- Public sector

This certificate can lead to a career in roles such as the following

- Disaster response architect
- Disaster recovery program manager
- Emergency preparedness and services advisor
- Emergency response planner
- Emergency response technical solution architect
- Risk and continuity management specialist
- Urban and municipal planner
- Urban resilience planner

Who Should Take This Certificate?

- Recent university graduates from business management programs who would like to enhance their data analysis skill set to be more competitive in the job market
- · Technically trained individuals who are looking to gain knowledge and skills to pivot

into a career in disaster and emergency management

What Will You Learn?

After completing this certificate, you will be able to do the following:

- Lead, interact, and work within the context of emergency management settings and within the law during disasters and emergencies
- Assess threats and realities and in response, author and implement plans for incident management mitigation, recovery and business continuity for first and second responders, emergency managers, and their organizations
- Engage in practical emergency management scenarios, including incident management command centres and operations
- Operationalize emergency management organizational mechanisms in every stage of emergency responsiveness
- Use international methodologies for measuring, describing, and assessing emergency management activities, concepts, policies, missions, operations, and goals

Check out what these graduates are doing after completing their certificate.

Effective Fall 2021, the Certificate in Emergency Management and Response Planning has been revised. Students who were formally registered in the certificate prior to July 2, 2021, must complete the curriculum requirements that were in effect at the time of their registration. For curriculum details, refer to the

archived calendar for your year of registration. Please contact our Client Services

team at <u>ce@ryerson.ca</u> if you have any questions.

Certificate Requirements

- 4 required courses
- Cumulative grade point average (GPA) of 1.67+

To graduate, you must successfully complete, within your official time span, the requirements from the year you registered in the program. For more information, refer to Time Span in our <u>Glossary of Terms</u>. If certificate requirements change and courses are no longer available, you may request <u>Course Substitutions/Directives</u>. You must apply to graduate on <u>my.ryerson</u> (RAMSS) within the appropriate application deadlines (refer to <u>Important Dates</u>). Visit <u>Graduation</u> for details.

Admission Criteria

Recommended:

- Ontario Secondary School Diploma (OSSD) or equivalent
 - With 6 Grade 12 U or M credits

OR

• Mature student status

Awards and Financial Aid



Frequently Asked Questions



Contact Us



 Students >

Services and Support ➤

Contact Us ∨

Register now **()**

Search

Q Login -

Energy Management and Conservation

Certificate

Important Note: The Certificate in Energy Management and Conservation will not be accepting any new registrants. This certificate has been discontinued effective Winter 2022. Students formally registered in the certificate prior to November 2, 2021 must complete the program requirements in effect at the time they registered.

For curriculum details, please refer to the archived calendar for your year of registration. For more information, please contact ce@ryerson.ca.

Required Courses

CTEC 241 Energy Innovation

CTEC 264 Trends in Smart Grid

CTEC 269 Trends in Energy

<u>Conservation</u>

CTEC 282 Public Policy in Energy



Search



Q Login *

Courses and Programs ∨

Enrolment ✓

Students >

Services and Support ➤

Contact Us ∨

English Literature and Popular Culture

A Certificate



Build a foundation in diverse literary forms, from Shakespeare to popular culture. Hone critical analysis skills and the ability to write organized, sustained, and wellreasoned arguments. Develop your own creative writing style.

This certificate allows you to tailor your studies to your own literary interests and aspirations.

Not ready to enrol but want to learn more?

Fill out this form and a representative from The Chang School will contact you.

Express interest Z

Note: Effective Fall 2020, the Certificate in English Literature and Popular Culture has been revised. Students who were formally registered in the certificate prior to July 2, 2020, must complete the curriculum requirements that were in effect at the time of their registration. For curriculum details, please refer to the archived calendar for your year of registration.

What Will You Learn? Who Should Take This Certificate? Who Teaches the Courses? **Industry and Careers Certificate Requirements** • 1 required course • 5 electives

Register now **()**

Required Courses

CENG 110 Literatures Across Borders

Next Offered:Fall 2022

Electives (select 5)

CENG 112 Zap, Pow, Bang: Pop Lit

Next Offered: Fall 2022

CENG 200 Writing as a Cultural <u>Act</u>

CENG 208 Introduction to Non-Fiction

CENG 222 Fairy Tales and Fantasies

Next Offered: Fall 2022

CENG 230 Creativity, Writing, and Everyday Life

Next Offered:Spring/Summer 2022

CENG 503 Science Fiction

Next Offered: Fall 2022

CENG 505 Creative Writing

Next Offered:Spring/Summer 2022

CENG 510 Gothic Horror

Next Offered:Spring/Summer 2022

CENG 511 The Art of Writing Life

Next Offered:Fall 2022

CENG 610 The Language of Love, Sex and Gender

CENG 706 Shakespeare and

Performance

Next Offered: Spring/Summer 2023

• Cumulative grade point average (GPA) of 1.67+

To graduate, you must successfully complete, within your official time span, the requirements from the year you registered in the program. For more information, refer to Time Span in our <u>Glossary of Terms</u>. If certificate requirements change and courses are no longer available, you may request <u>Course Substitutions/Directives</u>. You must apply to graduate on <u>my.ryerson</u> (RAMSS) within the appropriate application deadlines (refer to <u>Important Dates</u>). Visit <u>Graduation</u> for details.

Recommended Course Sequence



Admission Criteria



Recommended:

- Ontario Secondary School Diploma (OSSD) or equivalent
 - With 6 Grade 12 U or M credits (including English)
 - With a minimum average of 70 percent

OR

• Mature student status

If you are an undergraduate student, you should be aware of possible certificate restrictions. Check <u>Curriculum Advising</u> of for complete details.

Awards and Financial Aid



Contact Us





Search

Q Login ▼

Courses and Programs ∨

Enrolment ✓

Students >

Services and Support ➤

Contact Us ∨

Register now

Entering Foreign Markets

Certificate

FULLY ONLINE

Venturing into foreign markets is an attractive option for businesses to reach new consumers, generate additional streams of revenue, lower production costs, and diversify business risk. Yet, it can be a complicated journey. Political, economic, and cultural factors can add unexpected complexity and unpredictability that negatively impacts expansion efforts. Companies need people with the knowledge and skills to assess international markets, understand the complexities, navigate the unpredictability, and determine appropriate strategies for entry. Our Certificate in Entering Foreign



Markets can help you gain the knowledge and skills to effectively communicate marketing ideas and business concepts in a cross-cultural environment.

Get Connected 2

Industry and Careers

This certificate can lead to career paths in roles such as:

- global markets research and analysis
- international marketing and communications
- international business development

Who Should Take This Certificate?

- · Graduates of non-business related fields who want to gain some foundational knowledge in international business
- Professionals who want specialized skills in evaluating foreign markets for entry
- Advertising and communications professionals who need skills in effective marketing across borders
- New graduates who want to complement their degree with a certificate related to international business

What Will You Learn?

After completing this certificate, you will able to:

- effectively communicate marketing ideas and business concepts in a cross-cultural environment
- define and understand the basic functions of management
- demonstrate an understanding of the theory and application of the "four ps of marketing" model
- leverage primary and secondary research of marketing metrics to inform decision-

Required Courses

CGMS 200 Introduction to Global Management

Next Offered:Fall 2022

CGMS 522 International Marketing

Next Offered: Fall 2022

CMKT 100 Principles of Marketing

Next Offered: Fall 2022

Electives (select 1)

CGMS 690 The North American Business Environment

Next Offered:Fall 2022

CGMS 691 The Asian Business Environment

Next Offered: Winter 2023

CGMS 692 The European Business Environment

Next Offered:Spring/Summer 2023

CGMS 695 The Middle Eastern Business Environment

maning

- formulate and implement effective cross-border marketing strategies that resonate with diverse audiences
- identify and analyze diverse types of risks for business, including political risk
- demonstrate specialized knowledge of the business environment in a specific global region of interest to you

Certificate Requirements

- 3 required courses
- 1 elective
- Cumulative grade point average (GPA) of 1.67+

To graduate, you must successfully complete, within your official time span, the requirements from the year you registered in the program. For more information, refer to Time Span in our <u>Glossary of Terms</u>. If certificate requirements change and courses are no longer available, you may request <u>Course Substitutions/Directives</u>. You must apply to graduate on <u>my.ryerson</u> (RAMSS) within the appropriate application deadlines (refer to <u>Important Dates</u>). Visit <u>Graduation</u> for details.

Admission Criteria

Recommended:

- Ontario Secondary School Diploma (OSSD) or equivalent
 - With six Grade 12 U or M credits

OR

• Mature student status

If you are an undergraduate student, you should be aware of possible certificate restrictions. Check <u>Curriculum Advising</u> of for complete details.

Awards and Financial Aid Contact Us +



Search

Q Login 🕶

Courses and Programs ∨

Enrolment ✓

Students >

Services and Support ➤

Contact Us ∨

Register now

Entrepreneurship and Small Business

Certificate

Do you have a business idea that you want to get off the ground? Do you already own a small business and need help taking it to the next level? This certificate gives you the entrepreneurial skills to succeed in an increasingly competitive marketplace. The more you know about identifying opportunities, developing a business plan, and scaling your idea, the more successful your business can become - and the Certificate in Entrepreneurship and Small Business can help you get there.



Required Courses

CENT 500 New Venture Startup

Next Offered:Fall 2022

CENT 505 Small-Business Management

Next Offered: Winter 2023

CENT 526 Entrepreneurial Behaviour and Strategy

Next Offered:Fall 2022

CENT 601 Identifying Opportunities

Next Offered: Fall 2022

Get Connected 12

Industry and Careers

Entrepreneurial opportunities are available in every sector of the economy to people with any type of educational and professional background. From athletes to architects, graphic designers to engineers, healthcare to IT professionals – our certificate helps you transform a business concept into a thoughtful plan of action.

Who Should Take This Certificate?

- Individuals aiming to launch, or have recently launched, a small business and need skills such as developing business and marketing plans and identifying market opportunities
- Business owners that you want to scale or improve in terms of profitability or processes
- Managers, in a public, private, or nonprofit organization, wanting to effectively promote innovative product development and marketing as a workplace intrapreneur

What Will You Learn?

After completing this certificate, you will able to:

- assess your own entrepreneurial potential and managerial skills
- identify opportunities and analyze best-fit markets for entry
- develop your business idea into an actionable business plan
- · organize, promote, and finance a business, including bootstrap financing and government funding programs
- · assess risk and opportunity in buying an existing business or franchise
- learn management strategies to deal with common business issues such as cash flow, high growth rates, outsourcing, and corporate governance

Electives (select 2)

You must consult with the academic coordinator. With the submission of an approved Continuing Education Certificate Exemption (Substitution/Directive) Form signed by the academic coordinator, you will complete 2 courses relevant to your entrepreneurial and small business interests (as indicated in your business plan developed in CENT 500).

Certificate Requirements

- 4 required courses
- 2 electives*
- Cumulative grade point average (GPA) of 1.67+

*You must consult with the academic coordinator. With the submission of an approved Continuing Education Certificate Exemption (Substitution/Directive) Form signed by the academic coordinator, you will complete 2 courses relevant to your entrepreneurial and small business interests (as indicated in your business plan developed in CENT 500).

To graduate, you must successfully complete, within your official time span, the requirements from the year you registered in the program. For more information, refer to Time Span in our <u>Glossary of Terms</u>. If certificate requirements change and courses are no longer available, you may request <u>Course Substitutions/Directives</u>. You must apply to graduate on <u>my.ryerson</u> (RAMSS) within the appropriate application deadlines (refer to <u>Important Dates</u>). Visit <u>Graduation</u> for details.

Recommended:

- Ontario Secondary School Diploma (OSSD) or equivalent
 - With 6 Grade 12 U or M credits

OR

• Mature student status

If you are an undergraduate student, you should be aware of possible certificate restrictions. Check <u>Curriculum Advising</u> of for complete details.

Frequently Asked Questions	+
Awards and Financial Aid	+
Contact Us	+



of Continuing

Search



Q Login ▼

Courses and Programs ∨

Enrolment ✓

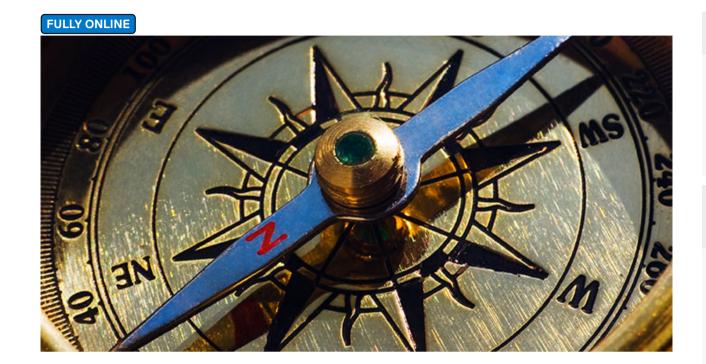
Students >

Services and Support ➤

Contact Us ∨

Ethics

A Certificate



Help to defend and monitor ethical decision-making in your organization. Develop a knowledge and practice in applied ethics to develop personal and organizational codes of ethics. Learn to recognize, counsel, and train in analyzing and resolving ethical dilemmas.

The Certificate in Ethics is designed to provide you with relevant, university-level education if your career requires the ability you.

Not ready to enrol but

want to learn more?

Fill out this form and a representative

from The Chang School will contact

to apply the principles of ethics in private and public sector organizations.

You may also be interested if you simply want to deepen your philosophical and ethical understanding.

Many of the courses in this certificate program are available in a fully online format.

Note to students registered in this certificate program: Effective Fall 2020, the Certificate in Ethics has been revised. Students who were formally registered in the certificate prior to July 2, 2020, must complete the curriculum requirements that were in effect at the time of their registration. For curriculum details, please refer to the archived calendar for your year of registration.

CENG 520 has been removed as an elective

What Will You Learn? + Who Should Take This Certificate? Who Teaches the Courses? **Industry and Careers**

Register now **()**

Required Course

COPH 200 Ethics Capstone Course

Next Offered:Fall 2022

Electives - Group A (select 2)

CPHL 302 Ethics and Health Care

Next Offered: Fall 2022

CPHL 307 Business Ethics

Next Offered: Fall 2022

CPHL 400 Human Rights and

Justice

CPHL 444 Ethics in Health

Services Management

CPHL 449 Philosophy of

Punishment

CPHL 500 Philosophy of the

Natural Environment

Next Offered:Spring/Summer 2022

CPHL 503 Ancient and Modern Ethics

CPHL 509 Bioethics

Next Offered: Fall 2022

CPHL 525 Environmental Ethics

CPHL 530 Media Ethics

CPHL 603 Fundamentals of Ethics

Next Offered: Spring/Summer 2023

Next Offered:Fall 2022

CPHL 614 Philosophy of Human **Rights**

Electives - Group B (select 3 not previously taken in Electives - Group A)

CCRM 200 Criminal Law

Next Offered:Fall 2022

CCRM 322 Ethics in Criminal Justice

CECN 701 Introduction to Law

Course Delivery Schedule



Certificate Requirements



- 1 required course
- 5 electives*
- Cumulative grade point average (GPA) of 1.67+

*You must take 2 selections from Electives – Group A and 3 selections from Electives – Group B (that you haven't already taken in Electives – Group A).

To graduate, you must successfully complete, within your official time span, the requirements from the year you registered in the program. For more information, refer to Time Span in our Glossary of Terms. If certificate requirements change and courses are no longer available, you may request Course Substitutions/Directives. You must apply to graduate on my.ryerson (RAMSS) within the appropriate application deadlines (refer to Important Dates). Visit Graduation for details.

Recommended Course Sequence



Admission Criteria



Recommended:

- Ontario Secondary School Diploma (OSSD) or equivalent
 - With six Grade 12 U or M credits

OR

Mature student status

Awards and Financial Aid



Contact Us

CECIN 321 IIILIOUUCLIOII LO LAW

and Economics

Next Offered:Fall 2022

CECN 502 Economics of Energy and Natural Resources

CECN 510 Environmental

Economics

CENG 621 Women's Texts, Global

Contexts

CGMS 802 Ethics and Regulation of Int'l Bus

Next Offered: Winter 2023

CHST 602 Propaganda!

Next Offered: Spring/Summer 2022

CINT 905 Conflict Resolution in Community Services

Next Offered:Spring/Summer 2022

CLAW 122 Business Law

Next Offered:Fall 2022

CLAW 525 The Law of the

Marketplace

Next Offered:Spring/Summer 2023

CLAW 529 Employment and

Labour Law

Next Offered: Fall 2022

CLAW 603 Advanced Business

Next Offered:Spring/Summer 2022

CMHR 600 Diversity and

Inclusion in the Workplace

CMHR 640 Leadership

CODG 130 Legal and Ethical Issues in GIS and Digital Data

CPHL 302 Ethics and Health Care

Next Offered: Fall 2022

CPHL 307 Business Ethics

Next Offered: Fall 2022

CPHL 400 Human Rights and

Justice

CPHL 401 Philosophy and Mass

Culture

CPHL 444 Ethics in Health

Services Management

CPHL 500 Philosophy of the

Natural Environment

Next Offered:Spring/Summer 2022

CPHL 503 Ancient and Modern

Ethics

CPHL 507 Ethics and Disability

CPHL 509 Bioethics

Next Offered: Fall 2022

CPHL 525 Environmental Ethics

CPHL 530 Media Ethics

CPHL 602 Health Policy: Ethics and Justice

CPHL 603 Fundamentals of

Ethics

Next Offered:Spring/Summer 2023

CPHL 612 Philosophy of Law

Next Offered: Fall 2022

CPHL 614 Philosophy of Human

Rights

CPHL 621 Non-Western

Philosophy

CPHL 921 Intellectual Property

and Technology

CPOG 424 Human Rights and

Global Politics

CPPA 301 Administrative Law

Next Offered:Fall 2022

CPSY 124 Social Psychology

CPSY 300 Psychology and Law

Next Offered:Spring/Summer 2022

CPSY 518 Environmental

<u>Psychology</u>

CPSY 706 Personal Growth and

Positive Psychology

Next Offered:Fall 2022

CPSY 802 Death, Dying and

Bereavement

Next Offered: Winter 2023

CPSY 808 Community

<u>Psychology</u>

Next Offered:Spring/Summer 2023

CSOC 609 Women and Human

<u>Rights</u>

CSOC 705 Law and Justice



Search



Q Login *

Courses and Programs ∨

Enrolment ✓

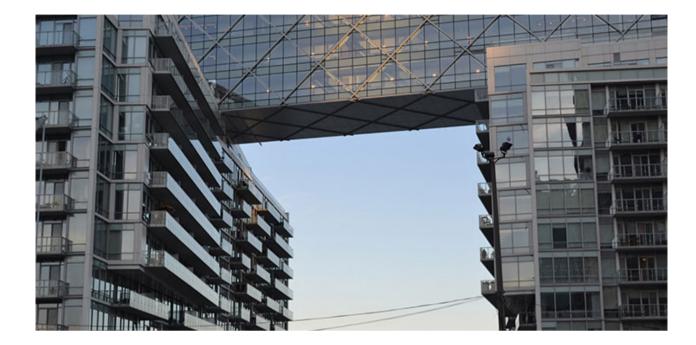
Students >

Services and Support ➤

Contact Us ∨

Facility and Property Management

A Certificate



Equip yourself with the most important skills necessary for the facility and property management profession.

Almost every organization occupies buildings. These buildings serve as offices, warehouses, manufacturing centres, data centres, or other facilities to support business needs. Every building needs someone to manage it, whether it is a commercial office building, shopping mall, warehouse or data centre.

Not ready to enrol but want to learn more?

Fill out this form and a representative from The Chang School will contact you.

Express Interest 2

Facility managers and property managers are involved in issues including:

- technical
- environmental
- human resources
- space and leasing
- real estate strategy

They provide productive, safe, comfortable work environments for their organization's employees.

This certificate program can help you achieve your professional goals in an interesting and rewarding career. It combines direct facility and property management skills with the broader business and management knowledge needed to thrive in the profession.

This program offers the following benefits:

- · Enrol right away open admissions with no application required
- Take courses in any order no prerequisites needed
- · Take Ryerson degree-credit courses
- · Apply for merit-based awards

What Will You Learn?



Register now **()**

Required Courses: 39-Hour Courses (select 6)

2 19.5-hour courses may be completed as the equivalent of 1 39-hour course.

CDFM 102 Facility Management Fundamentals

Next Offered:Fall 2022

CDFM 103 Project Planning, **Design, and Management**

Next Offered:Fall 2022

CDFM 104 Building Operations and Maintenance

Next Offered: Winter 2023

CDFM 105 Space Planning and Management

Next Offered:Spring/Summer 2023

CDFM 106 Leadership, Strategy, **Business**

Next Offered: Fall 2022

CDFM 107 Recruiting and Managing Employees and Procuring Contractors

Next Offered: Fall 2022

19.5-Hour Courses

2 19.5-hour courses may be completed as the equivalent of 1 39-hour course.

CDFM 110 Leasing and Lease

Next Offered: Spring/Summer 2022

CDFM 111 Capital and Asset Management

Next Offered: Winter 2023

CDFM 112 Risk, OHS,

Regulations, and the Law

Next Offered:Spring/Summer 2023

CDFM 113 Sustainability in Facilities

Next Offered:Spring/Summer 2023

CDFM 114 Real Estate Planning and Development

Next Offered: Winter 2023

Who Should Take This Certificate? + Who Teaches the Courses? + Industry and Careers + Certificate Requirements -

• Six required courses

OR

- Two 19.5-hour courses are considered equivalent to one 39-hour course
- Cumulative grade point average (GPA) of 1.67+

To graduate, you must successfully complete, within your official time span, the requirements from the year you registered in the program. For more information, refer to Time Span in our <u>Glossary of Terms</u>. If certificate requirements change and courses are no longer available, you may request <u>Course Substitutions/Directives</u>. You must apply to graduate on <u>my.ryerson</u> (RAMSS) within the appropriate application deadlines (refer to <u>Important Dates</u>). Visit <u>Graduation</u> for details.

Admission Criteria — Recommended: • Successful completion of a minimum two-year post-secondary program

• Mature student status with related professional experience and education

Recommended Course Sequence	+
Awards and Financial Aid	+
Frequently Asked Questions	+
Contact Us	+



Search Q Login -

Courses and Programs ➤

Enrolment ✓

Students >

Services and Support ➤

Contact Us ✓

Fashion Coordination and Styling

A Certificate

The Certificate in Fashion Coordination and Styling will not be accepting any new registrants. This certificate has been discontinued effective Fall 2021. Students formally registered in the certificate prior to July 2, 2021 must complete the program requirements in effect at the time they registered.

For more information, please contact <u>ce@ryerson.ca</u>.

If this certificate interests you, you may want to check out our new <u>Certificate in Fashion Innovation</u>.

Register now **3**

Required Courses

CDFC 101 Fashion Coordination

CDFC 102 Fashion Styling

CDFC 103 Design Fundamentals in Fashion

CDFC 104 Creating the Image

Electives (select 4)

CCMN 373 Fashion

Communication: Professional

<u>Approaches</u>

CDFA 104 Fashion Drawing I

CDFA 110 Fashion Drawing II

CDFC 105 Fashion Shows and

Special Events

CDFC 106 Fashion, Culture, and

Society

CDFC 107 Fashion Buying

CDFC 200 Fashion Photography

CENT 500 New Venture Startup

Next Offered:Fall 2022

CFSN 703 Visual Merchandising

and Display

CMKT 100 Principles of

<u>Marketing</u>

Next Offered:Fall 2022



Search Q Login -

Courses and Programs ➤

Enrolment ✓

Students >

Services and Support ∨

Contact Us ∨

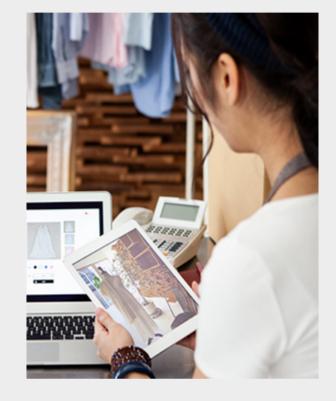
Register now **()**

Fashion Innovation

A Certificate

FULLY ONLINE

Fashion is in a state of disruption. For a successful career in this industry, it's crucial to not only keep pace but be three steps ahead. Fashion brands are looking to hire innovative talent who can connect with consumers in unique and unexpected ways and help their company make critical business decisions in response to the impacts of technology, social media, and progressive consumer values. With our Certificate in Fashion Innovation, prime yourself with the in-demand knowledge and competencies that fashion hiring managers will be looking for.



CDFI 100 Events and Digital
Experiences
Next Offered: Winter 2023
CDFI 200 Visually Speaking
Next Offered: Winter 2023
CDFI 300 Fashion Research

CDFI 300 Fashion Research and Analytics: An Introduction

Next Offered: Winter 2023

CDFI 400 Fashion Innovation Project

Next Offered:Fall 2022

CFSN 105 Fashion Systems I

Next Offered:Fall 2022

CFSN 223 Fashion Theory

Next Offered:Fall 2022

Get Connected 2

Industry and Careers

This certificate can help you build the skills needed to become employed in the following areas:

- Trend forecasting
- Merchandising
- · Fashion buying
- Events management
- Fashion journalism/Magazine contributor
- Styling
- Brand coordination/management

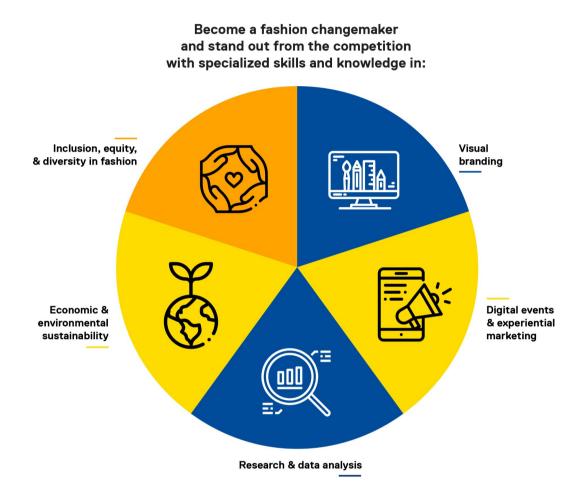
Who Should Take This Certificate?

- Those working in retail looking for career advancement in the fashion industry.
- People who have a passion for fashion and want to complement their existing education or professional experience in the following areas:
 - Marketing/event planning
 - Business management/entrepreneurship
 - Design management
 - Research and analytics
 - Public relations
 - Journalism/professional communication
 - User experience (UX) or user interface (UI)
 - Those interested in Ryerson University's School of Fashion undergraduate program, but unsure if they want to apply for the full program

What Will You Learn?

After completing this certificate, you will be able to do the following:

- Understand the fashion landscape and business of fashion as it aligns with core consumer/corporate values, including sustainability, equality, diversity, gender fluidity, radical inclusion, and community.
- Design and implement meaningful digital fashion experiences and in-person events that drive customer engagement and enhance brand loyalty.
- Know how to market your personal brand to win and hold focus in an oversaturated marketplace.
- Analyze data sets to help inform marketing and sales strategies as they apply to supply chain, consumer analytics, and trend forecasting.
- Develop a portfolio that showcases an understanding of fashion styling, including product sourcing, location shooting, organizing styling resources and more.



Infographic Transcript

Still shopping around? Here's a list of comparative fashion programs for your one-stop shop:

School	Program	Duration	Price	Format	Affiliation
Name	Name				

The Chang School	Certificate in Fashion Innovation - the only fashion program in Canada focused on decolonization and sustainability	6 courses in total (3 terms), but you have the flexibility to take it at your own pace and in your preferred sequence. You have up to four years to complete the certificate so you can work while you learn. There is also a summerintensive option available.	\$650.65 per course (~\$3900 total). No commitment to pay all at once-just pay for the courses you enrol in.	Online. Great if you prefer flexibility, the ability/freedom to work at your own pace, and receiving feedback on your own time.	Ryerson's School of Fashion, one of the top fashion schools in the world
Seneca College	Fashion Studies (Certificate)	8 months (2 terms)	~\$4,500 for full program	Hybrid (in- class and online)	 Apparel Affinity Group Fashion Group International Fashion Takes Action Textile Museum of Canada Toronto Fashion Incubator
Humber College	Fashion Management (Graduate Certificate)	3 terms	~\$5,500 for full program	Online	Association of Fashion Business Students
George Brown College	Fashion TECH (Certificate)	3 terms	Tuition funded based on eligibility	In-class (when available)	n/a
Kwantlen Polytechnic University	Fashion Design & Technology (Diploma)	4 terms	Tuition ~\$9,938 for 60 credits to earn a diploma	In-class (closed for Fall 2021)	n/a

Certificate Requirements

- 6 required courses
- Cumulative grade point average (GPA) of 1.67+

To graduate, you must successfully complete, within your official time span, the requirements from the year you registered in the program. For more information, refer to Time Span in our <u>Glossary of Terms</u>. If certificate requirements change and courses are no longer available, you may request <u>Course Substitutions/Directives</u>. You must apply to graduate on <u>my.ryerson</u> (RAMSS) within the appropriate application deadlines (refer to <u>Important Dates</u>). Visit <u>Graduation</u> for details.

Admission Criteria

_

Recommended:

- Ontario Secondary School Diploma (OSSD) or equivalent
 - With 6 Grade 12 U or M credits (including English)

OR

• Continuous learners with relevant professional experience

Awards and Bursaries + Partners + Contact Us +



Search



Q Login ▼

Courses and Programs ∨

Enrolment ✓

Students >

Services and Support ➤

Contact Us ∨

Film Studies

A Certificate

Build a solid foundation in the principles and techniques of filmmaking and developing screenbased content. You may take one or more courses or workshops or choose to pursue the full certificate program. Our Certificate in Film Studies is an excellent starting point if you want to pursue a career in film, television, and digital screen content development.





Industry and Careers

This certificate program is designed to provide a strong practical foundation in technical and business skills as they relate to film production.

It will provide you with an excellent opportunity to build your professional portfolio. Completing the certificate may help you attain entry-level positions within Canada's \$2 billion film and television industry.

Who Should Take This Certificate?

You may be interested if you:

- work in the film industry and want to improve your qualifications
- are new to the industry and want to better understand all aspects of production
- · work in other fields and want to make a career change to enter the film industry or develop content
- work in allied fields and want to develop film production and screen media
- have a related education in theory, history, and criticism of film and want to make films or develop screen media production.

What Will You Learn?

This program is a great starting point if you want to pursue a career in the film industry or satisfy your curiosity about film and film production.

Courses range from an introduction to basic filmmaking to specialized courses such as:

- cinematography and lighting design
- directing screen performance
- film and digital production methods and techniques
- fundamentals of directing, editing, shooting and producing
- production design
- screenwriting
- sound design, location and post audio production techniques

Register now **2**

Required Courses

CDMP 129 Motion Picture Production I

CDMP 229 Motion Picture Production II

CMPF 107 Film Technology I

CMPF 207 Film Technology II

CMPF 423 Film Technology III

CMPF 301 Business of Film

Next Offered: Spring/Summer 2022

Electives (select 2)

CDMP 120 Film History

CDMP 121 Film Theory

CDMP 125 Fiction Screenwriting

Next Offered:Fall 2022

CDMP 126 Non-Fiction

Screenwriting

CDMP 231 Short Filmmaking: On

Location

CDMP 700 Advanced

Screenwriting

Next Offered: Winter 2023

CFPN 323 Sound Design for

<u>Digital Media I</u>

Next Offered: Winter 2023

CFPN 501 Scenography I: Art

Direction

Next Offered: Fall 2022

CFPN 502 Directing Screen

Performance - Basic Principles

CFPN 531 Cinematography and

Lighting Design I

CFPN 533 Sound Design for

Visual Media II

CFPN 601 Scenography II -

Production Design

Next Offered: Winter 2023

CMPC 101 Visual Studies I

Next Offered:Fall 2022

CMPF 300 Film Technology IV

CMDE 700 Dusiness of Eilm II

• the business of developing, producing, and marketing films

Certificate Requirements

- 6 required courses
- 2 39-hour electives (or courses totalling 117 hours)
- Cumulative grade point average (GPA) of 1.67+

To graduate, you must successfully complete, within your official time span, the requirements from the year you registered in the program. For more information, refer to Time Span in our <u>Glossary of Terms</u>. If certificate requirements change and courses are no longer available, you may request <u>Course Substitutions/Directives</u>. You must apply to graduate on <u>my.ryerson</u> (RAMSS) within the appropriate application deadlines (refer to <u>Important Dates</u>). Visit <u>Graduation</u> for details.

Admission Criteria



Recommended:

- Ontario Secondary School Diploma (OSSD) or equivalent
 - With 6 Grade 12 U or M credits (including English)
 - With a minimum average of 60 percent

OR

• Mature student status with relevant professional experience

If you are an undergraduate student, you should be aware of possible certificate restrictions. Check <u>Curriculum Advising</u> of for complete details.

Awards and Financial Aid + Intensive Option + Contact Us +



Courses and Programs ➤

Enrolment ✓

Students >

Services and Support ∨

Contact Us >

Register now

Search

Q Login 🕶

Financial Mathematics Modeling and Predictive Analytics

Certificate



Required Courses

CMTH 500 Introduction to Stochastic Processes

Next Offered:Fall 2022

CMTH 600 Computational Methods In Mathematics

CMTH 700 Financial Mathematics

Ţ

CMTH 800 Financial Mathematics

This certificate is intended to provide professionals with the technical skills to perform predictive analytics. You will learn how to determine the value of financial derivatives and complex investments, and how to assess and analyze, through modeling frameworks, the associated benefits and risks of these instruments. You will attain a mastery of data analytics applied competencies and of financial mathematics, especially in the areas of

Not ready to enrol but want to learn more?

Fill out this form and a representative from The Chang School will contact you.

Express interest 2

stochastic processes and probability, in statistics, and in computation, together with an understanding of the highly complex operations of financial markets.

Learn how to determine the value of financial derivatives and complex investments. Gain skills in assessing and analyzing the associated benefits and risks of these instruments through modeling frameworks and predictive analytics.

Attain financial mathematics proficiency in the areas of stochastic processes and probability, statistics, and computation. Gain an understanding of the highly complex operations of financial markets.

If you have a background in economics, mathematics, science, engineering, or finance, this program can help you advance or change your career.

What Will You Learn?	+
Who Should Take This Certificate?	+
Who Teaches the Courses?	+
Industry and Careers	+

Recommended Course Sequence



Certificate Requirements

- 4 required courses
- Cumulative grade point average (GPA) of 1.67+

To graduate, you must successfully complete, within your official time span, the requirements from the year you registered in the program. For more information, refer to Time Span in our <u>Glossary of Terms</u>. If certificate requirements change and courses are no longer available, you may request <u>Course Substitutions/Directives</u>. You must apply to graduate on <u>my.ryerson</u> (RAMSS) within the appropriate application deadlines (refer to <u>Important Dates</u>). Visit <u>Graduation</u> for details.

Admission Criteria



Recommended:

 Mature student status and evidence of university-level coursework in mathematics, economics, and/or finance, or equivalent (to be determined by the academic coordinator)

OR

 Mature student status and other relevant qualifications or relevant industry experience (to be determined by the academic coordinator)

Admission Interview/Placement Assessment

An interview/placement assessment is required for this program. Please contact the Academic Coordinator, Sebastian Ferrando, at ferrando@ryerson.ca and Anne-Marie Brinsmead, Program Director, Engineering, Architecture, and Science, at a2brinsm@ryerson.ca.

If you are an undergraduate student, you should be aware of possible certificate restrictions. Check <u>Curriculum Advising</u> of for complete details.

Awards and Financial Aid	+
Contact Us	+



Search



Q Login •

Courses and Programs ✓

Enrolment ✓

Students >

Services and Support ∨

Contact Us ∨

Register now

Financial Planning

Certificate

The Certificate in Financial Planning will not be accepting any new registrants. This certificate has been discontinued effective Fall 2021. Students formally registered in the certificate prior to July 2, 2021 must complete the program requirements in effect at the time they registered.

For more information, please contact <u>ce@ryerson.ca</u>.

If this certificate interests you, you may want to check out these related certificates:

<u>Accounting – Finance</u> Advanced Accounting **Business Management Economics and Finance**

Required Courses

CACC 522 Taxation for Managers and Financial Planners

CFIN 501 Investment Analysis

Next Offered:Fall 2022

CFIN 502 Personal Financial Planning

Next Offered:Fall 2022

CFIN 512 Risk Management and <u>Insurance</u>

Next Offered: Winter 2023

CFIN 612 Retirement and Estate Planning

Next Offered:Spring/Summer 2023

CFIN 812 Advanced Personal Financial Planning



Search



Q Login ▼

Courses and Programs ∨

Enrolment ✓

Students >

Services and Support ➤

Contact Us ∨

Food Security

A Certificate

FULLY ONLINE

Food insecurity is a serious problem in Canada and on a global scale – that requires passionate, qualified individuals to develop plans for community food security, urban food security, and sustainable food systems. Our fully online Certificate in Food Security can help you fulfil the rapidly growing demand for professionals with a knowledge and skill set in food security.

This certificate is a post-degree program and includes degree-credit and graduate degree-credit courses, so it can be used as a stepping stone from undergraduate studies to entry



into master's and PhD programs in food security or related studies.

Get Connected 2

Industry and Careers

This certificate can lead to career paths in various roles. Here are some examples:

- City social worker dealing with poverty and food insecurity issues
- Community development officer
- Director of a nonprofit organization
- Program leader for a food program/food bank
- Program leader for a regional health authority
- Research associate for food insecurity
- Urban farm manager

Who Should Take This Certificate?

- · Working professionals with experience related to food security (public health, social work, agriculture, etc.) who wish to broaden their knowledge and skill set to expand their career opportunities
- Degree graduates looking for a stepping stone from undergraduate studies to a master's or PhD program in food security or related studies
- Individuals who are passionate about the subject who would like to transition to careers in this field

What Will You Learn?

After completing this certificate, you will be able to do the following:

- Apply appropriate research and evaluation methods for assessing food security
- Plan and undertake assessments of household and community food security
- Determine the prevalence of hunger and food insecurity in a population

Register now **()**

Required Courses

You may only select one of CFNP 250 or CFNY 404.

CFNP 250 Markets, Food **Systems/Food Policy**

CFNY 403 Food Security Concepts and Principles

Next Offered: Fall 2022

CFNY 404 Food Policy and Programs for Food Security

Next Offered: Spring/Summer 2023

CFNY 405 Applied Research Methods and Evaluation

Next Offered:Fall 2022

Electives (select 3)

You may only select one of CFND 401 or CSOC 808.

You may only select one of CFNF 100 or CVFS 401.

You may only select one of CFNN 100 or CFNN 111.

CFND 401 Social and Cultural Dimensions of Food

CFNF 100 Families and Health

CFNN 100 Nutrition and Health

CFNN 111 Introduction to Nutrition

CFNY 400 Selected Topics in Food Security

Next Offered: Fall 2022

CFNY 407 Community Development and Food Security

Next Offered: Spring/Summer 2023

CFNY 408 Urban Food Security

Next Offered: Winter 2023

CFNY 409 Gender and Food Security

Next Offered:Fall 2022

CFNY 510 Indigenous Food

Systems in Canada

Next Offered: Winter 2023

CINT 912 Community

- · Design collaborative processes for building household and community food security
- · Apply current economic thinking to strengthening food security
- Initiate the development of food policy and programs for a right to food
- Develop urban food production initiatives to bolster urban food systems
- Identify the requirements for creating sustainable food systems based on social justice

Certificate Requirements

- 3 required courses
- 3 electives
- Cumulative grade point average (GPA) of 1.67+

To graduate, you must successfully complete, within your official time span, the requirements from the year you registered in the program. For more information, refer to Time Span in our <u>Glossary of Terms</u>. If certificate requirements change and courses are no longer available, you may request <u>Course Substitutions/Directives</u>. You must apply to graduate on <u>my.ryerson</u> (RAMSS) within the appropriate application deadlines (refer to <u>Important Dates</u>). Visit <u>Graduation</u> for details.

Admission Criteria

Required:

• An undergraduate degree

OR

• 5 years of professional experience in a field relevant to food security work

OR

• A 3-year Baccalaureate study with a clear academic standing (at least a C average or GPA of 1.67)

Admission Interview/Placement Assessment

If you wish to apply to register for the Certificate in Food Security, contact the Academic Coordinator, <u>Reg Noble</u>, who will assess whether you are eligible and answer any questions you might have about the program. If you're interested in taking individual courses, Ryerson University's general eligibility rules apply.

Awards and Financial Aid



Frequently Asked Questions



Contact Us



Development: International Field

Experience

CSOC 808 Sociology of Food and Eating

Next Offered:Fall 2022

CVFN 410 Understanding Urban Agriculture

Next Offered:Fall 2022

CVFN 411 Dimensions of Urban Agriculture

Next Offered: Spring/Summer 2023

CVFN 412 Practicing Urban Agriculture

CVFN 413 Urban Agriculture

Policy-Making

Next Offered: Winter 2023

CVFS 401 Contemporary Family Issues

Next Offered: Spring/Summer 2023



Search



Q Login ▼

Courses and Programs ∨

Enrolment ✓

Students >

Services and Support ➤

Contact Us ∨

Foundations of International Management

A Certificate



As globalization impacts traditional business models, it is not uncommon for managers to engage with stakeholders working in different countries, currencies, time zones, languages, and cultures. In this context, employers across sectors are in a global war for talent, competing for professionals who have the managerial skills and cultural understanding to work effectively in today's global business environment.

Not ready to enrol but want to learn more?

Fill out this form and a representative from The Chang School will contact you.

Express interest Z

In this certificate program, you will learn the basic business functions, operations, and processes of management in an international context. You will apply theory in real world case studies, simulations, and projects to demonstrate your understanding of how business

This program:

- offers both online and in-class learning
- · is eligible for OSAP
- is comprised of degree credit courses
- includes all prerequisites for the Certificate in Advanced International Trade Management

is conducted in key geographic regions, taking into account the major cultural, political, and economic factors that shape approaches to business management internationally.

 offers students the opportunity to apply all, or most, of the credit earned through the certificate as transfer credits to a Bachelor of Commerce program at Ryerson or at other universities (subject to admission and the requirements of the degree to which you are applying)

Note to students registered in this certificate program: Effective Fall 2020, the Certificate in Foundation of International Management has been revised. Students who were formally registered in the certificate prior to July 2, 2020, must complete the curriculum

Register now **()**

Required Courses

CGMS 200 Introduction to Global

Next Offered:Fall 2022

<u>Management</u>

CGMS 400 The Global Business Environment

CGMS 401 Operations

Management

Next Offered: Fall 2022

CQMS 110 Applied Mathematics for Business

Next Offered: Fall 2022

requirements that were in effect at the time of their registration. For curriculum details, please refer to the <u>archived calendar</u> for your year of registration.



- 4 required courses
- Cumulative grade point average (GPA) of 1.67+

To graduate, you must successfully complete, within your official time span, the requirements from the year you registered in the program. For more information, refer to Time Span in our Glossary of Terms. If certificate requirements change and courses are no longer available, you may request Course Substitutions/Directives. You must apply to graduate on my.ryerson (RAMSS) within the appropriate application deadlines (refer to Important Dates). Visit Graduation for details.

Admission Criteria Recommended:

- Ontario Secondary School Diploma (OSSD) or equivalent
 - With six Grade 12 U or M credits

OR

• Mature student status

If you are an undergraduate student, you should be aware of possible certificate restrictions. Check <u>Curriculum Advising</u> refor complete details.

Awards and Financial Aid	+
Contact Us	+



Search Q Login -

Courses and Programs ➤

Enrolment

Students >

Services and Support ➤

Contact Us ∨

Fundamentals of Interior Design

A Certificate

Hone your design thinking skills to better communicate design intent within the interior design industry and the field of spatial design. The program will also introduce you to the traditional and contemporary skill sets used in the development of interior decor and space planning.

Courses increase in scope as you move through the certificate, building upon what you learn. Many courses are taught in a setting encouraging student interaction and discussion, with instructors offering a supportive environment for you to test out your design ideas and strategies.



Get Connected **☑**

Industry and Careers

Many of our learners have gone on to find work in the interior industry, including in:

- Film and set design
- Furniture design
- · Product design manufacturing
- Real estate
- Sales
- Staging

Many also choose to continue in their existing careers with an enhanced communications skill set that is useful when discussing spatial and design-related work.

Note: Certified interior designers must pass the NCIDQ exam, which is administered by the Council for Interior Design Qualification (CIDQ). Completing this certificate will not enable you to write the NCIDQ exam or represent yourself as a certified interior designer. This certificate is separate from Ryerson University's <u>Bachelor of Interior Design (BID)</u> program.

Who Should Take This Certificate?

You may be interested in taking this certificate if you:

- Professionals who want to enhance your communication skills to work with designers and those in the allied construction fields
- Professionals who work in real estate, renovations, and new build projects who want to hone their design thinking skills to move up in their careers
- Individuals who are looking to kickstart their careers in:
 - Decor
 - Set design

Register now **()**

Required Courses

CDID 150 Design Theory
Next Offered: Fall 2022

CDID 151 Interior Design I: Drafting

Next Offered: Spring/Summer 2023

CDID 152 Interior Design I: Space Planning

CIRC 112 Introduction to Digital
Communication

Next Offered:Fall 2022

Electives (select 3)

CDID 153 Interior Materials and

<u>Finishes</u>

Next Offered: Winter 2023

CDID 155 Design Dynamics I:
Portfolio 1

CDID 157 Kitchen and Bathroom

Design

Next Offered:Fall 2022

CIRC 113 Introduction to Visual
Communication

CIRH 101 History of Interior

Design 1850 - Present

- The interior industry (including furniture, building materials, lighting, floor and wall covering suppliers, and the related sales and manufacturing of the products used and selected by designers)
- Facilities planning
- Space planning

What Will You Learn?

You will be introduced to contemporary ideas of design. Through a combination of lectures and hands-on demonstrations, you will build a foundation in space planning and the design process.

The seven courses reinforce many sought-after skills, including:

- Effective presentations
- Working with colleagues in a studio setting
- Developing a proposal for a design problem
- Your instructors will help you improve your abilities in research and communication, including:
- Rapid sketching ability
- Integrating analog and digital processes
- Concept development
- Design skills that are transferable across many disciplines

Certificate Requirements

- 4 required courses
- 3 electives
- Cumulative grade point average (GPA) of 1.67+

To graduate, you must successfully complete, within your official time span, the requirements from the year you registered in the program. For more information, refer to Time Span in our <u>Glossary of Terms</u>. If certificate requirements change and courses are no longer available, you may request <u>Course Substitutions/Directives</u>. You must apply to graduate on <u>my.ryerson</u> (RAMSS) within the appropriate application deadlines (refer to <u>Important Dates</u>). Visit <u>Graduation</u> for details.

Admission Criteria

Recommended:

- Ontario Secondary School Diploma (OSSD) or equivalent
 - With 6 Grade 12 U or M credits (including English and Mathematics)
 - With a minimum average of 60 percent

OR

• Mature student status

If you are an undergraduate student, you should be aware of possible certificate restrictions. Check <u>Curriculum Advising</u> of for complete details.

Awards and Financial Aid



Contact Us





Search Q Login -

Courses and Programs ➤

Enrolment ✓

Students >

Services and Support ∨

Contact Us ∨

Register now **()**

Fundraising Management

A Certificate

FULLY ONLINE

With over 170,000 charities across Canada, fundraising has become one of the most important growth areas for nonprofit organizations.

Fundraising careers have grown over the last decade and will continue to grow for the foreseeable future. Welltrained and informed fundraisers are key to building bridges between charities and donors.



This certificate program is designed to help you understand fundraising tools and techniques, while developing your leadership and management skills. Through this six-course program, you will gain expertise in innovative fundraising methods, nonprofit marketing and solicitations, and donor recognition. You will also learn about how to thank donors so that they continue to give generously. Become a highly skilled fundraiser, so you can help organizations surpass their financial goals and create a community of loyal supporters.

Industry and Careers

Our graduates are in high demand, and many work in local, national, and international nonprofits. Here are just a few of the positions our alumni hold today:

- Advancement officer
- Development officer
- Director of philanthropy/development
- Manager of giving
- President and CEO
- · Senior development officer
- Vice president of development

Who Should Take This Certificate?

- Individuals who are emerging fundraising professionals looking to take the next career step
- Individuals looking to make the leap into fundraising from an entirely different industry
- Individuals that are passionate about raising funds for healthcare, health and wellness, or arts and culture, or increasing resources for education, sustainability, poverty reduction, or social justice, and want to turn that into a career

https://continuing.ryerson.ca/public/category/courseCategory/CertificateProfile.do?method=load&certificateId=194813

What Will You Learn?

Required Courses

CINP 912 Marketing for Nonprofits

Next Offered: Winter 2023

CINT 916 Introduction to

Fundraising

Next Offered: Fall 2022

CVFM 201 Operations of

Fundraising

Next Offered: Fall 2022

CVFM 202 Donor Centered

Fundraising

Next Offered:Fall 2022

Electives (select 2)

CVFM 203 Fundraising

Campaigns

Next Offered:Spring/Summer 2023

CVFM 205 Data Analytics for

Fundraising

Next Offered:Spring/Summer 2023

CVFM 302 Entrepreneurial

Fundraising

Next Offered: Winter 2023

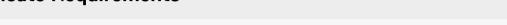
CVFM 303 Annual Giving

Programs

Next Offered:Winter 2023

- Develop and implement strategies to successfully and ethically operate a fundraising program
- Identify and inform solutions to ethical issues in the charitable sector
- Analyze data and information to guide your fund development process and raise more money
- Develop annual giving, donor communication, and fundraising marketing materials
- Examine and adjust practices to emerging issues and donor-centered fundraising trends influencing today's charities
- · Apply sound financial management practices to real-life situations
- Evaluate strategic fundraising plans and identify the critical elements of a wellconfigured database

Certificate Requirements



- 4 required courses
- 2 electives
- Cumulative grade point average (GPA) of 1.67+

To graduate, you must successfully complete, within your official time span, the requirements from the year you registered in the program. For more information, refer to Time Span in our <u>Glossary of Terms</u>. If certificate requirements change and courses are no longer available, you may request <u>Course Substitutions/Directives</u>. You must apply to graduate on <u>my.ryerson</u> (RAMSS) within the appropriate application deadlines (refer to <u>Important Dates</u>). Visit <u>Graduation</u> for details.

Admission Criteria

_

Recommended:

- Ontario Secondary School Diploma (OSSD) or equivalent
 - With six Grade 12 U or M credits

OR

• Mature student status

Professional Designations and Accreditation + Awards and Financial Aid + Frequently Asked Questions + Contact Us



Search Q Login -

Courses and Programs ➤

Enrolment ✓

Students >

Services and Support ∨

Contact Us ∨

Graphic Communications

A Certificate

Our world is highly visual. Every day we come into contact with hundreds of printed and digital graphics — from printed billboards, to interactive websites, to unique packaging holding your coffee. In our Certificate in Graphic Communications, you will learn a variety of sought-after transferable skills for many fields, turning your bright ideas into creative concepts that inform, engage, and inspire. Exercise your creative right brain and technical left brain to bring your important work to life. Work through the certificate at your own pace – in as quickly as two semesters - and get real industry experience



through practicum or project-based opportunities. We will teach you the skills to help you cut through the noise, stand out, and get noticed.

Get Connected 2

Industry and Careers

The opportunities in the graphic communications industry are diverse, in both region and role, and appeal to a wide range of interests. There are design and creative opportunities, technical machinery and computer skills-oriented jobs, as well as business and managerial roles.

This certificate can lead to career paths in various roles. Here are some examples:

- Accessibility specialist
- Graphics specialist
- Page layout artist
- Print project coordinator
- Sustainability analyst

Who Should Take This Certificate?

- Individuals considering a career change into the graphic communications industry
- Individuals who are applying for Ryerson's <u>Bachelor of Technology in Graphic</u>
 <u>Communications Management</u> degree
- Individuals who are looking to deepen their graphic communications knowledge to move up in their field

What Will You Learn?

After completing this certificate, you will be able to do the following:

 Prepare layouts, files, and proofs for printed and digital output, as well as print product and post-press

Register now **2**

Required Courses

CGCM 110 Introduction to Graphic Communications

Next Offered:Spring/Summer 2023

CGCM 120 Graphic
Communications Processes 1

Next Offered:Fall 2022

CGCM 130 Design and Layout

Next Offered:Spring/Summer 2022

Electives (select 3)

CGCM 111 Graphic
Communication Technologies

CGCM 121 Graphic

Communications Processes 2

CGCM 210 Consumer Packaging

Next Offered:Fall 2022

CGCM 230 Typography

Next Offered:Winter 2023

CGCM 250 Binding and Finishing

CGCM 260 Digital Premedia Workflows

CGCM 360 Colour Management for Graphic Communications

CGCM 720 Magazine Production and Publishing

Next Offered: Spring/Summer 2023

CGCM 738 Photoshopped! The Art of Image Retouching

Next Offered: Spring/Summer 2022

CGCM 740 Accessibility for Graphic Communications

Next Offered:Fall 2022

- Use industry-standard hardware and software to integrate printed communication with online mediums
- Demonstrate an understanding of the impact of branding, display graphics, direct marketing materials, books, magazines, and consumer packaging
- Develop creative ideation strategies, working from creative briefs, design, and layout, using industry standard software (Adobe Creative Cloud)
- Through electives, gain tools and skills in typography, sustainability, accessibility, magazine publishing, or Adobe Photoshop

Certificate Requirements



- 3 required courses
- 3 electives
- Cumulative grade point average (GPA) 1.67+

To graduate, you must successfully complete, within your official time span, the requirements from the year you registered in the program. For more information, refer to Time Span in our <u>Glossary of Terms</u>. If certificate requirements change and courses are no longer available, you may request <u>Course Substitutions/Directives</u>. You must apply to graduate on <u>my.ryerson</u> (RAMSS) within the appropriate application deadlines (refer to <u>Important Dates</u>). Visit <u>Graduation</u> for details.

Admission Criteria



Recommended:

- Ontario Secondary School Diploma (OSSD) or equivalent
 - With 6 Grade 12 U or M credits
 - With a minimum grade of 60 percent

OR

• Mature student status with relevant professional experience

If you are an undergraduate student, you should be aware of possible certificate restrictions. Check <u>Curriculum Advising</u> refor complete details.

Awards and Financial Aid + Frequently Asked Questions + Contact Us +



Students >

Enrolment ✓

Services and Support ➤

Q Login -

Health Informatics

Courses and Programs ∨

A Certificate

FULLY ONLINE

Health informatics is a specialized industry experiencing rapid change and demand; rise to meet these challenges through our Certificate in Health Informatics. The field needs professionals who have balanced exposure to IT, healthcare, and management fundamentals - a combination offered by our unique and award-winning program. Through individual course specialization, you can expand your knowledge of healthcare-specific information technology to further your career in health informatics or to break into this field.



Get Connected 2

Industry and Careers

This certificate offers flexible elective course options for specialized pathways in data analytics, programming, securities, privacy, and information technology management.

This certificate can lead to career paths in various roles. Here are some examples:

- · Clinical applications coordinator
- Clinical data manager
- Clinical project manager
- Health informatician
- Health information manager
- Health systems specialist
- Information privacy coordinator
- · Quality improvement coordinator
- · Records and information manager

Who Should Take This Certificate?

- Healthcare professionals who wish to formalize and expand their knowledge of industry-specific uses of information technology in order to progress in their career
- Healthcare professionals that are seeking the academic training to meet the eligibility requirements to sit for the CPHIMS-CA Certification.
- IT professionals who are interested in applying their technical skills within the health sector
- Internationally educated professionals with a background in IT or the health sector who seek a better understanding of healthcare and health information management in the Canadian context

What Will You Learn?

Register now **2**

Contact Us ∨

Search

Required Courses

CHIM 305 Introduction to Health Informatics

Next Offered:Fall 2022

CHIM 306 Healthcare Interoperability

Next Offered: Fall 2022

CHSM 301 The Healthcare Systems

Next Offered:Fall 2022

CHSM 305 The Management Cycle

Next Offered:Fall 2022

Electives (select 3)

If you do not have a background in health information, you should complete CHIM 303.
You should select CMHR 405 if you wish to pursue CMHR 650, as CHSM 437 does not provide a prerequisite for CMHR 650.

CHIM 301 Healthcare Information Analysis

Next Offered:Fall 2022

CHIM 303 Intro to Health Coding Classification

Next Offered:Spring/Summer 2023

CHIM 307 Human-Computer Interfaces in Healthcare

Next Offered:Winter 2023

CHIM 404 Introduction to Health Economics

Next Offered:Fall 2022

CHIM 405 Issues in Health Information Management

CHIM 408 Statistics for Health

Services Managers

Next Offered:Winter 2023

CHSM 437 Human Resources Management in Healthcare

Next Offered:Fall 2022

CIND 119 Introduction to Big Data

Next Offered:Spring/Summer 2022

After completing this certificate, you will be able to do the following:

- Understand how information technology is applied in healthcare services, including electronic health records (EHR), eHealth, healthcare software applications, and healthcare data
- Apply fundamentals of human interaction with computers including mental models, multimedia user interface, network-based interactions, and visual design principles
- Demonstrate familiarity with healthcare coding terminologies, interoperability between diverse and distributed systems, and electronic data interchange standards
- Compare and contrast the various health systems operating within Canada and models for healthcare funding and planning
- Understand ethical issues as related to health information management
- Evaluate aspects of care provision, including provider-client relationships and integrated client-centred care

Certificate Requirements

- 4 required courses
- 3 electives*
- Cumulative grade point average (GPA) of 1.67+

*If you do not have a background in health information, you should complete CHIM 303.

You should select CMHR 405 if you wish to pursue CMHR 650, as CHSM 437 does not provide a prerequisite for CMHR 650.

To graduate, you must successfully complete, within your official time span, the requirements from the year you registered in the program. For more information, refer to Time Span in our <u>Glossary of Terms</u>. If certificate requirements change and courses are no longer available, you may request <u>Course Substitutions/Directives</u>. You must apply to graduate on <u>my.ryerson</u> (RAMSS) within the appropriate application deadlines (refer to <u>Important Dates</u>). Visit <u>Graduation</u> for details.

Admission Criteria

Required:

- Ontario Secondary School Diploma (OSSD) or equivalent
 - With 6 Grade 12 U or M credits

OR

- Mature student status with relevant work experience
 - With minimum of 1 year's related professional experience in the health or information technology sectors

Admission Application

You must complete an application for pre-approval and be approved before registering for your first course. To obtain an application, visit <u>Forms and Documents</u>. The completed application, together with transcripts, may be submitted to Melissa Johnson, Program Coordinator, at <u>m1johnso@ryerson.ca</u>.

If you are an undergraduate student, you should be aware of possible certificate restrictions. Check <u>Curriculum Advising</u> of for complete details.

Professional Designations and Accreditation

https://continuing.ryerson.ca/public/category/course Category Certificate Profile.do? method=load & certificate Id=197223



Awards and Financial Aid



Frequently Asked Questions



CIND 123 Data Analytics: Basic Methods

Next Offered:Spring/Summer 2022

CITM 207 Computer-Enabled Problem Solving

Next Offered:Fall 2022

CITM 301 IT Infrastructure

Next Offered:Fall 2022

CITM 820 Information Systems Security and Privacy

Next Offered:Fall 2022

CLAW 401 Information Access and Privacy Protection

Next Offered: Fall 2022

CLAW 402 Health Information

Access and Privacy

Next Offered: Winter 2023

CMHR 405 Organizational

Behaviour

CMHR 523 Human Resources

Management

CMHR 640 Leadership

CMHR 650 Management of

Change

CQMS 210 Applied Statistics for

Business

Next Offered:Spring/Summer 2022

CTEC 210 Fundamentals of

Project Management

Next Offered:Fall 2022

Contact Us





Search

Q Login ▼

Courses and Programs ∨

Enrolment ✓

Students >

Services and Support ➤

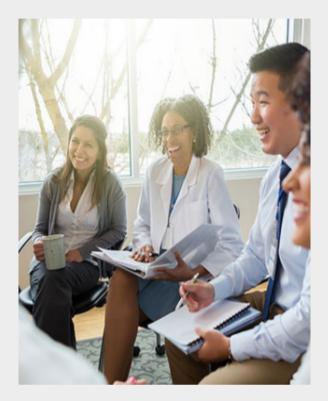
Contact Us ∨

Health Services Management

A Certificate

FULLY ONLINE

Healthcare administration is one of the fastest growing occupations in today's job market. The Health Services Management Certificate will assist you with determining the most suitable healthcare management environment for you, including hospitals, long term care, community care, health clinics, dental, or medical offices. This certificate will help give you an indication of what area of management you would be suited for in a medical environment such as hospitals, clinics, dental, and medical offices.



Get Connected 2

Industry and Careers

This certificate can lead to career paths in roles such as:

- Assisted living administrator
- Clinical manager
- Healthcare compliance manager
- Healthcare consultant
- Healthcare financial manager
- Health information manager
- Healthcare management researcher
- Hospital administrator

Who Should Take This Certificate?

- · Current and potential health care managers who are looking to increase their knowledge and skills in significant aspects of health service provision to help them move up in their careers
- Individuals looking to study in the part-time degree completion program in Health Services Management. (Many of the courses in the Health Services Management certificate program are degree credit courses and qualify for exemption.)

What Will You Learn?

The introductory Healthcare Systems course will provide you with an understanding of:

- Key foundational knowledge about how healthcare is delivered
- The responsibilities of provinces and the federal government in the allocation of healthcare services, funds and coverage
- How health information is collected and used toward decision making in healthcare.

The introductory course the Management Cycle will provide you with an understanding of:

Register now **()**

Required Courses

CHSM 301 The Healthcare Systems

Next Offered: Fall 2022

CHSM 305 The Management <u>Cycle</u>

Next Offered:Fall 2022

CHSM 407 Healthcare Financial

Management

Next Offered: Fall 2022

CHSM 437 Human Resources

Management in Healthcare

Next Offered: Fall 2022

CLAW 326 Law for Health

<u>Managers</u>

Next Offered:Fall 2022

Electives (select 2)

CACC 100 Introductory Financial

<u>Accounting</u>

Next Offered: Fall 2022

CCMN 279 Introduction to

Professional Communication

Next Offered:Fall 2022

CHIM 301 Healthcare Information Analysis

Next Offered: Fall 2022

CHIM 303 Intro to Health Coding Classification

Next Offered: Spring/Summer 2023

CHIM 305 Introduction to Health Informatics

Next Offered: Fall 2022

CHIM 404 Introduction to Health Economics

Next Offered:Fall 2022

CHIM 408 Statistics for Health

Services Managers

Next Offered: Winter 2023

CHSM 307 Principles of Long

Term Care Service Del.

Next Offered: Winter 2023

CHSM 308 Project Management -

Long Term Care

 Key management principles, perspectives and functions of planning, organizing, leading, controlling and budgeting within healthcare. Additional core courses will provide students with an understanding of: Essential management information focused on human resources, financial management and law within healthcare.

Students can select from a variety of streams to further their learning in project management, health information management, long term care, and research.

Certificate Requirements

- 5 required courses
- 2 electives
- Cumulative grade point average (GPA) of 1.67+

To graduate, you must successfully complete, within your official time span, the requirements from the year you registered in the program. For more information, refer to Time Span in our <u>Glossary of Terms</u>. If certificate requirements change and courses are no longer available, you may request <u>Course Substitutions/Directives</u>. You must apply to graduate on <u>my.ryerson</u> (RAMSS) within the appropriate application deadlines (refer to <u>Important Dates</u>). Visit <u>Graduation</u> for details.

Admission Criteria

Required:

- Ontario Secondary School Diploma (OSSD) or equivalent
 - With 6 Grade 12 U or M credits

OR

A community college diploma in a related health services field

OR

Mature student status

Admission Application

You must complete an application for pre-approval and be approved before registering for your first course. To obtain an application, visit Forms and Documents. The completed application, together with transcripts, may be submitted to Melissa Johnson, Program Coordinator, at m1johnso@ryerson.ca.

If you are an undergraduate student, you should be aware of possible certificate restrictions. Check <u>Curriculum Advising</u> of for complete details.

Awards and Financial Aid



Contact Us

+

CHSM 309 Trends in Long Term
Care Service Delivery

CHSM 310 Institutional Structure

CHSM 330 Managerial

<u>Epidemiology for Healthcare</u>

Next Offered: Winter 2023

CHSM 408 Program Planning and Evaluation

Next Offered: Winter 2023

CHSM 417 Research Methodology

Next Offered: Fall 2022



C

Q Login •

Courses and Programs ➤

Enrolment ✓

Students >

Services and Support ➤

Contact Us ∨

Search

Health Studies

A Certificate

FULLY ONLINE

The Certificate in Health Studies comprises specifically selected courses from other health-related Chang School certificate programs, such as Health Informatics, Health Services Management, Ethics, Psychology, and Aging and Gerontology. It provides a diverse set of courses that can fill gaps in your knowledge and skill set. If you are looking for depth in a particular area of study, you may instead choose to take the appropriate other healthrelated certificate. The Health Studies certificate will provide flexibility to choose courses that meet your professional development needs while allowing the opportunity to earn a certificate.



Get Connected 2

Through five elective courses in specialized streams of Health Informatics, Health Services Management, Health Ethics, Gerontology, and Psychology, learners are free to choose their own selection to equip them with specific knowledge pertinent to their personal goals or professional interests.

Industry and Careers

The Certificate in Health Studies can be used for individuals looking to transition into a health related sector with no prior experience in the field. This Certificate can be used to fill gaps in students' knowledge and skill sets around health specific content required for future educational endeavors. Students taking this Certificate will be able to garner specialized knowledge from a variety of health related disciplines. The Health Studies Certificate will provide students with the flexibility to advance their knowledge in related health fields that can advance their professional development needs and provide the opportunity to earn a Certificate.

Who Should Take This Certificate?

Those interested in learning more about health and the intersectional relationship between health and healthcare management, health information management, health ethics, gerontology, psychology, interdisciplinary studies and communications. Students can select from a variety of health related streams to specialize their learning.

What Will You Learn?

Completion of the Health Studies certificate will provide students with an understanding of the health impacts on special populations, specific sectors and services designed to support healthy living.

Register now **3**

Required Course

CHSM 301 The Healthcare

Next Offered:Fall 2022

Systems

Electives (select 5)

You may only select one of CCMN 279 or CCMN 314.

You may only select one of CPHL 302 or CPHL 509.

You may only select one of CPSY 102 or CPSY 105.

CCMN 279 Introduction to Professional Communication

Next Offered:Fall 2022

CCMN 314 Professional Presentations

Next Offered:Fall 2022

CHIM 301 Healthcare Information Analysis

Next Offered:Fall 2022

CHIM 303 Intro to Health Coding Classification

Next Offered:Spring/Summer 2023

CHIM 305 Introduction to Health Informatics

Next Offered:Fall 2022

CHIM 306 Healthcare Interoperability

Next Offered:Fall 2022

CHIM 307 Human-Computer

Interfaces in Healthcare
Next Offered: Winter 2023

Next Offered: Winter 2023

CHIM 408 Statistics for Health Services Managers

Next Offered: Winter 2023

CHSM 305 The Management Cycle

Next Offered:Fall 2022

CHSM 330 Managerial

Epidemiology for Healthcare

Next Offered:Winter 2023

CHSM 437 Human Resources Management in Healthcare

Next Offered:Fall 2022

Certificate Requirements

- 1 required course
- 5 electives
- Cumulative grade point average (GPA) of 1.67+

To graduate, you must successfully complete, within your official time span, the requirements from the year you registered in the program. For more information, refer to Time Span in our <u>Glossary of Terms</u>. If certificate requirements change and courses are no longer available, you may request <u>Course Substitutions/Directives</u>. You must apply to graduate on <u>my.ryerson</u> (RAMSS) within the appropriate application deadlines (refer to <u>Important Dates</u>). Visit <u>Graduation</u> for details.

Admission Criteria

Required:

- Ontario Secondary School Diploma (OSSD) or equivalent
 - With 6 Grade 12 U or M credits

OR

• A related professional development award

OR

• Mature student status

If you are an undergraduate student, you should be aware of possible certificate restrictions. Check <u>Curriculum Advising</u> of for complete details.

Awards and Financial Aid



Contact Us



CINT 904 Health Promotion and Community Development

Next Offered:Fall 2022

CINT 930 Aging: From Cells to Society

Next Offered: Fall 2022

CINT 935 Ethical/Legal

Frameworks in Aging

Next Offered: Winter 2023

CINT 945 Technology and Aging Populations

Next Offered:Fall 2022

CLAW 402 Health Information

Access and Privacy

Next Offered: Winter 2023

CPHL 302 Ethics and Health Care

Next Offered:Fall 2022

CPHL 444 Ethics in Health

Services Management

CPHL 509 Bioethics

Next Offered: Fall 2022

CPHL 602 Health Policy: Ethics

and Justice

CPSY 102 Introduction to

<u>Psychology I</u>

Next Offered:Spring/Summer 2022

CPSY 105 Perspectives in

Psychology

Next Offered:Fall 2022

CPSY 325 Psychological

Disorders

Next Offered:Fall 2022

CPSY 605 Psychology of Health

and Health Care

Next Offered: Winter 2023

CPSY 607 Drugs and Human

Behaviour

Next Offered:Fall 2022

CPSY 802 Death, Dying and

Bereavement

Next Offered:Winter 2023

CPSY 805 Adjustment, Stress

and Coping

Next Offered:Fall 2022

CPSY 808 Community

<u>Psychology</u>

Next Offered:Spring/Summer 2023

CTEC 210 Fundamentals of

Project Management

Next Offered:Fall 2022



Q Login * Search

Courses and Programs ∨

Enrolment ✓

Students >

Services and Support ➤

Contact Us ✓

Human Resources Management

A Certificate

Pivot your career to a meaningful field full of opportunities: human resources. HR professionals and their role in recruitment, training, and motivation are a critical part of any functioning organization. Whether you're working in business and need further education in HR to transition your career, or you're looking to take your existing HR skill set to new heights, our Certificate in Human Resources Management will set you up for success.



Get Connected 2

If you're looking for further HR accreditation, you can also take courses that qualify for exemptions in the Certified Human Resources Professional (CHRP) designation offered by the <u>Human Resources Professionals Association</u>. Our graduates complete their certificates confident that they can assume a variety of HR functions in need in every industry sector.

Industry and Careers

The transferability of skills among employers and industries is a major benefit of working as an HR professional.

This certificate can lead to career paths in various fields. Here are some examples:

- Change management
- Compensation and benefits
- Diversity and inclusion
- Health and safety
- HR consulting
- Labour relations
- Learning and development
- Organization development
- Talent management

Who Should Take This Certificate?

- HR professionals who wish to upgrade their skills for a promotion or to obtain the CHRP designation
- · Individuals not working in HR but who aim to join the field
- Individuals working in a business role who require further education to pivot to a specialty in HR

What Will You Learn?

After completing this certificate, you will be able to do the following:

Manage a diverse workforce

Register now **()**

Required Courses

CMHR 405 Organizational Behaviour

CMHR 523 Human Resources Management

Electives (select 4)

CLAW 529 Employment and

Labour Law Next Offered:Fall 2022

Relations

CMHR 522 Union Management

CMHR 600 Diversity and Inclusion in the Workplace

CMHR 623 Recruitment and Selection

Next Offered:Spring/Summer 2022

CMHR 671 Human Resources Information Systems

CMHR 711 Occupational Health and Safety

Next Offered:Spring/Summer 2022

CMHR 733 Training and Development

Next Offered:Spring/Summer 2022

CMHR 749 Compensation <u>Management</u>

Next Offered:Spring/Summer 2022

CMHR 849 Human Resources <u>Planning</u>

- Strategically recruit, retain, and promote employees
- Train and develop employees
- Foster an inclusive and ethical work environment
- Create a workplace that is compliant with current health and safety standards

Certificate Requirements



- 4 electives
- Cumulative grade point average (GPA) of 1.67+

To graduate, you must successfully complete, within your official time span, the requirements from the year you registered in the program. For more information, refer to Time Span in our <u>Glossary of Terms</u>. If certificate requirements change and courses are no longer available, you may request <u>Course Substitutions/Directives</u>. You must apply to graduate on <u>my.ryerson</u> (RAMSS) within the appropriate application deadlines (refer to <u>Important Dates</u>). Visit <u>Graduation</u> for details.

Admission Criteria



Recommended:

- Ontario Secondary School Diploma (OSSD) or equivalent
 - With 6 Grade 12 U or M credits

OR

• Mature student status with relevant professional experience in business

If you are an undergraduate student, you should be aware of possible certificate restrictions. Check <u>Curriculum Advising</u> of for complete details.

Professional Designations and Accreditation + Awards and Financial Aid + Contact Us +



Search



Q Login *

Courses and Programs ∨

Enrolment ✓

Students >

Services and Support ➤

Contact Us ∨

Image Arts (with specializations in Film Studies or Photography Studies)

A Certificate

Important Note: The Certificate in Image Arts will not be accepting any new registrants. This certificate has been discontinued effective Winter 2022. Students formally registered in the certificate prior to November 2, 2021 must complete the program requirements in effect at the time they registered. For curriculum details, please refer to the archived <u>calendar</u> for your year of registration. For more information, please contact ce@ryerson.ca.

If this certificate interests you, you may want to check out our Certificates in Digital Art Production, Photography Studies and Film Studies.

Register now **()**

Required Courses

CMPC 101 Visual Studies I

Next Offered:Fall 2022

CMPC 103 Art and the Classical Tradition

Next Offered: Fall 2022

CMPC 201 Visual Art: Concepts and Theories

Next Offered: Winter 2023

CMPC 203 Art in the Modern

World

Next Offered: Winter 2023

Specialization in Film **Studies**

This certificate offers specializations in either Film Studies or Photography Studies. Complete the following courses to achieve the Specialization in Film Studies.

CDMP 129 Motion Picture Production I

CMPF 107 Film Technology I

Specialization in **Photography Studies**

This certificate offers specializations in either Film Studies or Photography Studies. Complete the following courses to achieve the Specialization in Photography Studies.

CDFP 328 Photography

Production I

Next Offered: Fall 2022

CDFP 329 Photography

Production II

Next Offered:Spring/Summer 2022

CDFP 333 Photography and

Digital Imaging

Next Offered: Winter 2023

CDFP 358 Photography and the Screen



Search



Q Login ▼

Courses and Programs ∨

Enrolment ✓

Students >

Services and Support ➤

Contact Us ✓

Indigenous Child and Youth Engagement

A Certificate

FULLY ONLINE

Indigenous community workers can have a significant impact on the lives of the Indigenous children and youth they support and also have a positive effect on their entire community. Indigenous community workers interested in post-secondary education and upskilling may not have access to these learning opportunities, especially while they're working to create meaningful change in their communities.

The Certificate in Indigenous Child and Youth Engagement provides a bridging of both those worlds connecting education to direct

employment in your own home community. When you enrol in the certificate courses, you'll be able to participate in post-secondary education and still continue your current work and activities in the community allowing you to stay connected to your community, family, and culture. Plus, you can take what you've learned and apply it in real time to your practice.

Enrolment for this certificate is currently limited to students who are part of the Right to Play organization (see the Partners tab below for more details).

Industry and Careers

This certificate can help you build the skills you need to pursue opportunities in the following areas and jobs:

- Community-based youth and family work
- Community outreach
- Family support worker
- Youth justice worker School-based child and youth work
- Child and youth counsellors

This certificate can also help an Indigenous CYC worker on the pathway to a degree program within the School of Child and Youth Care at Ryerson University.

Who Should Take This Certificate?

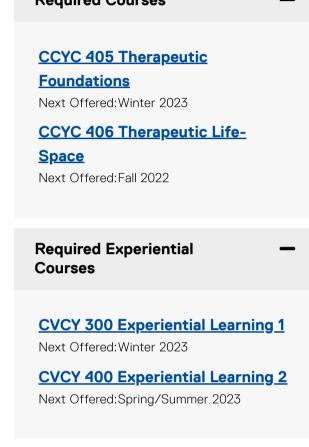
• Indigenous child and youth workers who are currently employed or volunteering in youth work with an Indigenous-led organization.

What Will You Learn?

Explore life-space youth work practice and gain perspectives on healing and

Register now **()**

Required Courses



therapeutic experiences for young people.

- Understand the design, implementation, and evaluation of youth-centered community-based programs.
- Use a range of culturally appropriate strategies to engage young people in Indigenous contexts
- Translate ideas and approaches from your learnings and apply them directly to your practice within your own community.

This entire certificate is taught through an Indigenous lens and designed to be relevant to Indigenous communities.

Certificate Requirements



- 4 required courses
- Cumulative grade point average (GPA) of 1.67+

To graduate, you must successfully complete, within your official time span, the requirements from the year you registered in the program. For more information, refer to Time Span in our <u>Glossary of Terms</u>. If certificate requirements change and courses are no longer available, you may request <u>Course Substitutions/Directives</u>. You must apply to graduate on <u>my.ryerson</u> (RAMSS) within the appropriate application deadlines (refer to <u>Important Dates</u>). Visit <u>Graduation</u> for details.

Admission Criteria



Recommended:

• Indigenous continuous learners with relevant professional experience

OR

- Indigenous learners with an Ontario Secondary School Diploma (OSSD) or equivalent
 - With six Grade 12 U or M credits (including English)
 - With a minimum average of 60 percent

If you're interested in this certificate but unsure about eligibility, please email Kiaras Gharabaghi, Academic Coordinator, at k.gharabaghi@ryerson.ca.

Partners



Contact Us





Search Q Login -

Courses and Programs ➤

Enrolment >

Students >

Services and Support ∨

Contact Us ∨

Indigenous Knowledges and Experiences

A Certificate

FULLY ONLINE

The impact of Canadian laws, policies, and practices on Indigenous Peoples and communities in Canada is a critically important part of our history and current culture. The lives of Indigenous Peoples continue to be affected by challenges in areas such as healthcare, social services, employment, and education. How do we bring about meaningful change? Build real-world experience through this unique, award-winning program that will help you be part of the way forward..



Get Connected 2

Career Pathways

This certificate can help you pursue job opportunities or advance your career in the following areas:

- Community workplaces and professional disciplines that engage with Indigenous communities, agencies, and people
- Public or private sector roles in fields including social work, health sciences, education, policy, law, geography, human resources, community leadership, and more

Who Should Take This Certificate?

If you want to gain knowledge about key issues such as Indigenous health and well-being, governance, literature, community relations, and land use in Canada, as well as the skills to work in or advance your career in these areas, this certificate is designed for you. It is intended for both Indigenous and non-Indigenous learners.

It is also ideal if you:

- Work in or want to advance your career in fields and professional disciplines that
 engage with Indigenous communities and agencies, including social work, health
 sciences, education, policy, law, geography, human resources, or community
 leadership
- Want to work in occupations that address, or should address, Indigenous concerns in public, private, and not-for-profit sector organizations

Don't have post-secondary education? You can pursue this university-level certificate with a secondary school diploma. View the Admission Criteria tab for more details.

What Will You Learn?

Gain new knowledge and insights by exploring Indigenous lived experiences and perspectives. Learn how to:

• Build and apply your critical awareness of yourself in relation to Indigenous Peoples,

Register now **3**

Required Courses

CINT 922 Intro to Aboriginal

<u>Worldviews</u>

Next Offered:Fall 2022

CINT 923 Canada's Story: An Aboriginal Perspective

Next Offered: Fall 2022

Electives (select 2)

CCLD 450 Indigenous Early

<u>Learning</u>

CCYC 905 An Indigenous

Perspective on CYC

Next Offered:Winter 2023

CENG 203 The Literature of

<u>Indigenous Peoples</u>

Next Offered:Fall 2022

CENG 511 The Art of Writing Life

Next Offered:Fall 2022

CFNY 510 Indigenous Food

Systems in Canada

Next Offered:Winter 2023

CINT 910 Aboriginal Peoples, Pol.

and Reconciliation

Next Offered:Fall 2022

CMWF 108 Aboriginal

Childbearing

Next Offered:Winter 2023

CNPF 574 Aboriginal Visual

Culture in Canada

CPPA 124 Indigenous Politics and

Governance

Next Offered:Fall 2022

CSWP 925 Strong Helpers'

Teachings

Next Offered:Winter 2023

CSWP 933 Indigenous Health and

Well Being

Next Offered:Fall 2022

CVSW 932 Indigenous

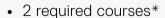
Knowledges in Practice

Next Offered:Fall 2022

experiences, and worldviews

- Assess and understand the relationship between Indigenous Peoples and the Canadian government
- Synthesize and communicate how Indigenous Peoples have been impacted by laws, policies, and practices in the health, social services, human resources, and other sectors
- Execute projects within community agencies and organizations

Certificate Requirements



- 2 electives
- Cumulative grade point average (GPA) 1.67+

*If you are an undergraduate student who has completed SWP 435, you may apply for a course substitution towards CINT 922. However, if you complete INT 922/CINT 922, you may not apply for a course substitution towards SWP 435.

To graduate, you must successfully complete, within your official time span, the requirements from the year you registered in the program. For more information, refer to Time Span in our <u>Glossary of Terms</u>. If certificate requirements change and courses are no longer available, you may request <u>Course Substitutions/Directives</u>. You must apply to graduate on <u>my.ryerson</u> (RAMSS) within the appropriate application deadlines (refer to <u>Important Dates</u>). Visit <u>Graduation</u> for details.

Admission Criteria

Recommended:

- Ontario Secondary School Diploma (OSSD) or equivalent
 - With 6 Grade 12 U or M credits (including English)
 - With a minimum average of 70 percent

OR

• Mature student status

Note: If you do not meet the above stated admission criteria, you may seek advice and assistance from <u>Spanning the Gaps – Access to Post-Secondary Education</u> or from <u>Ryerson Aboriginal Student Services</u>.

Frequently Asked Questions + Awards and Financial Aid + Contact Us +



Search Q Login -

Courses and Programs ➤

Enrolment ✓

Students >

Services and Support ➤

Contact Us ∨

Information Systems Management

A Certificate

FULLY ONLINE

Virtually every type of business today relies on information technology. Whether banking online, ordering a pizza, monitoring patients in a hospital, or publishing a newspaper, organizations must develop systems that serve their customers and help them succeed.

Computers, the Internet, wireless communications, databases – all are forms of information technology that are used to collect, analyze, and share information. Information systems management examines how this technology can be used effectively in an ever-changing business context.



Get Connected 2

This certificate stands alone as an introduction to the IT management field, but it also provides a smooth transition either to another more specialized certificate or to the Business Technology Management degree program.

Industry and Careers

This certificate can lead to career paths in roles such as:

- App developer
- Database administrator
- Data scientist
- Information security analyst
- · IT manager
- Librarian
- Search engine optimization specialist
- Search marketing strategist

Who Should Take This Certificate?

- Individuals looking to get into the IT management field
- Individuals looking to transition to a more specialized certificate or to the Business Technology Management degree program. (The number of eligible courses that can be used towards the degree will depend on the curriculum in effect at the time of admission to the degree program.)

What Will You Learn?

This certificate introduces business information systems, data representation and processing, and data management systems, as well as the key concepts, techniques, and methodologies relevant to developing information systems (IS), and the IT infrastructure.

Register now **3**

Required Courses

You may only select one of CITM 100 or CITM 102.

CITM 100 Foundations of Information Systems

Next Offered:Fall 2022

<u>CITM 102 Business Information</u> <u>Systems I</u>

Next Offered:Fall 2022

CITM 207 Computer-Enabled Problem Solving

Next Offered:Fall 2022

CITM 301 IT Infrastructure

Next Offered:Fall 2022

CITM 305 Systems Analysis and Design

Next Offered:Fall 2022

CITM 500 Data and Information

<u>Management</u>

Next Offered:Fall 2022

Electives (select one)

CITM 200 Fundamentals of Programming

Next Offered:Fall 2022

CITM 315 Server Administration

Next Offered:Fall 2022

CITM 350 Concepts of e-

Business

Next Offered:Fall 2022

CITM 550 Advanced e-Business

Students will learn the fundamentals of today's IT management, from data presentation and data processing to data communication and network security.

Certificate Requirements

- 5 required courses
- 1 elective
- Cumulative grade point average (GPA) of 1.67+

To graduate, you must successfully complete, within your official time span, the requirements from the year you registered in the program. For more information, refer to Time Span in our <u>Glossary of Terms</u>. If certificate requirements change and courses are no longer available, you may request <u>Course Substitutions/Directives</u>. You must apply to graduate on <u>my.ryerson</u> (RAMSS) within the appropriate application deadlines (refer to <u>Important Dates</u>). Visit <u>Graduation</u> for details.

Admission Criteria

Recommended:

- Ontario Secondary School Diploma (OSSD) or equivalent
 - With 6 Grade 12 U or M credits

OR

• Mature student status

If you are an undergraduate student, you should be aware of possible certificate restrictions. Check <u>Curriculum Advising</u> of for complete details.

Awards and Financial Aid



Contact Us





Courses and Programs ➤ Enrolment ➤

Students >

Services and Support ∨

Contact Us ∨

Search

Q Login *

Introduction to Community Services

(Certificate

NEW FOR FALL 2020

FULLY ONLINE

Have you ever wanted to make a difference in your community but aren't sure where to start? In today's changing society, the role of community services has never been more important. Our Certificate in Introduction to Community Services will provide you with the general knowledge and skills required for the field. This full-online certificate can be done at your own pace and is flexible with your schedule so you don't have to worry about choosing between work and school.



Get Connected 2

Industry and Careers

This certificate can lead to career paths in roles such as:

- · Adult community resource facilitator
- Behaviour support worker
- Crisis intervention worker
- Case or intake worker
- Community service or support worker
- Developmental support worker
- Drop in or shelter worker
- Family service worker
- · Health support worker
- Home or residential support worker
- Probation office/community youth worker

Who Should Take This Certificate?

This certificate will be beneficial for you if you:

- Recent graduates in the faculties of arts and community services who are looking to work in the community services sector (e.g. psychology, sociology, and child and youth worker).
- Individuals with experience in the community services sector locally or internationally, but seek additional training.
- Individuals looking to change careers and develop new skill sets in the community services sector.

What Will You Learn?

After completing this certificate, you will be able to:

• Work in the front line, policy, advocacy, and as an educator to support the health and social needs of individuals, groups, and communities

Register now **2**

Required Course

CINT 920 Community
Collaborations

Next Offered:Fall 2022

Food Security Stream (select 3)

CFNY 403 Food Security
Concepts and Principles

Next Offered: Fall 2022

CFNY 408 Urban Food Security

Next Offered: Winter 2023

CFNY 510 Indigenous Food
Systems in Canada

Next Offered:Winter 2023

Aging and Gerontology Stream (select 3)

CINT 901 Gerontology: Critical

Issues and Future Trends

Next Offered:Fall 2022

CINT 930 Aging: From Cells to Society

Next Offered:Fall 2022

CINT 945 Technology and Aging Populations

Next Offered:Fall 2022

Community Engagement Stream (select 2)

Select 2 electives from this stream and 1 elective from another stream or a general elective.

CSWP 934 Community

Engagement Foundations

Next Offered:Fall 2022

CSWP 936 Community

Engagement Practices

Next Offered:Fall 2022

General Elective

- Build strong communities using a holistic approach across a range of interdisciplinary fields within the community services sector, including food security, aging and gerontology, and community engagement.
- Collaborate to meet community needs by seeking novel and life-changing solutions to social problems faced in diverse community-based settings.

Certificate Requirements

- One required course
- Three electives
- Cumulative grade point average (GPA) of 1.67+

Admission Criteria

Recommended:

OSSD with six Grade 12 U or M credits (including English), with a minimum average of 60 percent, or equivalent

OR

mature student status with relevant work experience

Undergraduate students wishing to pursue a continuing education certificate program should be aware of possible restrictions; please refer to Curriculum Advising for complete details.

Awards and Financial Aid



Contact Us

+

Select any 3 electives across any stream or general electives.

CINT 902 Disability Issues

Next Offered:Fall 2022

CINT 904 Health Promotion and Community Development

Next Offered:Fall 2022

CINT 905 Conflict Resolution in

Community Services

Next Offered: Spring/Summer 2022

CINT 907 Team Work for

Community Services

Next Offered:Fall 2022

CVFS 401 Contemporary Family Issues

Next Offered:Spring/Summer 2023

CPLE 795 Local Economic Development Fundamentals

Next Offered:Fall 2022



Search Q Login -

Courses and Programs ➤

Enrolment ✓

Students >

High Park Tour with Sam ...

Services and Support ➤

Contact Us ∨

Landscape Design for Climate Resilience

A Certificate

FULLY ONLINE

Are you interested in creating sustainable landscape design projects that help preserve built and natural landscapes? Our Certificate in Landscape Design and Climate Resilience provides the educational requirements for the Certified Landscape Designer (CLD) accreditation program offered by the Canadian Nursery and Landscape Association through provincial landscape industry organizations.

The certificate, which automatically

gives you membership with Landscape Ontario, can also be your first step to setting up your own business. As a student member of Landscape Ontario, you can attend member-only events, including monthly meetings of Landscape Ontario as well as receive discounts on some Landscape Ontario events.

Get Connected 🗹

Grow your expertise in this in-demand field. Learn to handle landscape design challenges with real-life solutions that are resilient, ecologically based, and socially inclusive.

Industry and Careers

Completion of this certificate can lead to roles within the following sectors:

- Nonprofit nature conservancy agencies
- Private sector: international and national construction and condominium companies, and landscaping businesses of all sizes
- Public sector: government departments at the federal, provincial, state, municipal and local levels

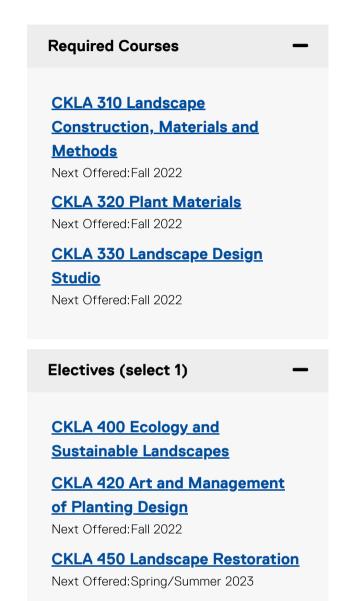
This certificate can lead to a career in various roles. Here are some examples:

- Industrial commercial landscape architectural technologist
- Landscape designer
- Landscape sustainability manager
- Landscape technician
- Landscaper
- Landscaping supervisor
- · Nursery and grounds coordinator

Who Should Take This Certificate?

- Individuals who want to gain the core educational requirements needed to become a Certified Landscape Designer (CLD) through provincial landscape industry organizations
- Individuals with a non-landscape undergraduate degree who want to use this

Register now **①**



program as a stepping stone to a master's program in landscape architecture

• Architects, interior designers, or other environmental design professionals who are interested in expanding the scope of their professional work

What Will You Learn?

After completing this certificate, you will be able to do the following:

- Assess and use digital design software (such as SketchUp Suite/LayOut,
 DynaScape, Vectorworks, Adobe Photoshop, Adobe Illustrator, and Autodesk Civil
 3D) to produce different types of landscape drawings, including functional diagrams,
 concept drawings, master plans, detailed design development, and working drawings
- Incorporate plant ecology knowledge into the development of planting design for climate resilience
- Develop grading and drainage designs to address runoff on urban sites related to climate change
- Generate landscape implementation and management strategies to enhance landscape resilience and sustainability
- Produce societally inclusive and resilient landscapes by integrating cultural and ecological landscape restoration techniques
- Enhance landscape inclusivity by integrating Indigenous teachings and perspectives into landscape design

Check out what these graduates are doing after completing their certificate.

Effective Fall 2021, the Certificate in Landscape Design has been revised.

Students who were formally registered in the certificate prior to July 2, 2021, must complete the curriculum requirements that were in effect at the time of their registration. For curriculum details, refer to the <u>archived calendar</u> for your year of registration. Please contact our Client Services team at <u>ce@ryerson.ca</u> if you have any questions.

Interested in transferring to the new four-course curriculum? Contact ce@ryerson.ca to find out how.

Certificate Requirements

- 3 required courses
- 1 electives
- Cumulative grade point average (GPA) of 1.67+

To graduate, you must successfully complete, within your official time span, the requirements from the year you registered in the program. For more information, refer to Time Span in our <u>Glossary of Terms</u>. If certificate requirements change and courses are no longer available, you may request <u>Course Substitutions/Directives</u>. You must apply to graduate on <u>my.ryerson</u> (RAMSS) within the appropriate application deadlines (refer to <u>Important Dates</u>). Visit <u>Graduation</u> for details.

Admission Criteria

Recommended:

 A post-secondary undergraduate education (university or college) in a relevant field of study (including programs related to architecture and/or environmental sciences)

OR

• Mature student status with relevant work experience

Frequently Asked Questions



Professional Designations and Accreditation	+
Awards and Financial Aid	+
Contact Us	+



Search Q Login -

Courses and Programs ➤

Enrolment ∨

Students >

Services and Support ➤

Contact Us ∨

Leadership in Organizations



Important Note: The Certificate in Leadership in Organizations will not be accepting any new registrants. This certificate has been discontinued effective Winter 2022. Students formally registered in the certificate prior to Fall 2021 must complete the program requirements in effect at the time they registered. For curriculum details, please refer to the archived calendar for your year of registration. For more information, please contact ce@ryerson.ca.

If this certificate interests you, you may want to check out our Certificate in <u>Human</u> Resources Management.

Certificate Requirements

- 2 required courses
- 4 electives
- Cumulative grade point average (GPA) of 1.67+

To graduate, you must successfully complete, within your official time span, the requirements from the year you registered in the program. For more information, refer to Time Span in our <u>Glossary of Terms</u>. If certificate requirements change and courses are no longer available, you may request <u>Course Substitutions/Directives</u>. You must apply to graduate on <u>my.ryerson</u> (RAMSS) within the appropriate application deadlines (refer to <u>Important Dates</u>). Visit <u>Graduation</u> for details.

Admission Criteria

Recommended:

- Ontario Secondary School Diploma (OSSD) or equivalent
 - With 6 Grade 12 U or M credits

OR

Mature student status with relevant professional experience

If you are an undergraduate student, you should be aware of possible certificate restrictions. Check <u>Curriculum Advising</u> of for complete details.

Register now **3**

Required Courses

CMHR 405 Organizational Behaviour

CMHR 640 Leadership

Electives (select 4)

CMHR 600 Diversity and Inclusion in the Workplace

CMHR 650 Management of Change

CMHR 700 Cross-Cultural

Dimensions of Organizational

Behaviour

CMHR 721 Negotiation and Conflict Resolution

CMHR 741 Managing
Interpersonal Dynamics and
Teams

CMHR 841 Organization Theory and Design

CMHR 850 Coaching, Facilitation and Internal Consulting



Search Q Login -

Courses and Programs ➤

Enrolment >

Students >

Services and Support ➤

Contact Us **∨**

Register now **()**

Level 1 Public Administration and Governance

A Certificate



<u>View a recording of the online information session for Public Administration</u> <u>and Governance.</u> ☑ ☐

Enter access passcode: HA*?zh2e to view the video.

Learn about public sector organizations, structures, decision processes, and operations. Develop an awareness of the political forces that shape public administration and policy, and learn about the levels of government in Canada.

Gain the specialized knowledge and skills you need to advance your career in the public sector.

This program is designed for:

- those preparing for jobs or career advancement in:
 - federal, provincial, or municipal government
 - social service agencies
 - public or non-profit organizations
- managers
- administrative officers
- front-line service providers
- policy analysts

By completing this program, you will fulfil Level 1 of Ryerson's BA (Honours) in Public Administration and Governance .



Required Courses

CPPA 101 Cdn Public

Administration I: Institutions

Next Offered:Fall 2022

CPPA 102 Cdn Public
Administration II: Processes

Next Offered:Spring/Summer 2022

<u>CPPA 125 Rights, Equity and the</u> State

Next Offered:Fall 2022

Required Group 1 (select 2)

CPPA 120 Canadian Politics and Government

Next Offered:Fall 2022

CPPA 121 Ontario Politics and Government

CPPA 122 Local Politics and Government

Next Offered:Fall 2022

CPPA 124 Indigenous Politics and Governance

Next Offered:Fall 2022

Liberal Studies Elective Table A (select 11-term lower-level course)

Liberal Studies courses are indicated by "LL" for Lower Level and "UL" for Upper Level. Consult the <u>Undergraduate Calendar</u> for the complete list of Liberal Studies courses. Once you have chosen your course, return to <u>The Chang School website</u> to search for its availability.

CGEN LLS One one-term Lower
Level Liberal Studies Elective
from Table A

Professionally-Related

Industry and Careers + Testimonials + Certificate Requirements -

- 3 required courses
- 2 courses from Required Group 1
- 1 lower-level Liberal Studies Elective from Table A
- 2 Professionally-Related Electives from Table I
- Cumulative grade point average (GPA) of 1.67+

Note: If you wish to obtain your Level 1 Certificate in Public Administration and Governance, you must apply through the Office of Undergraduate Admissions for admission to the Public Administration and Governance BA (Honours) program. Do not use the standard continuing education certificate application. Upon completing this certificate and the Level 2 Certificate in Public Administration and Governance, you may continue your studies to earn a <u>BA (Honours) in Public Administration and Governance</u> of from Ryerson University.

Admission Criteria

Recommended:

- Ontario Secondary School Diploma (OSSD) or equivalent
 - With 6 Grade 12 U or M credits (ENG4U/EAE4U is the preferred English)
 - With a minimum grade of 60 percent (Subject to competition, candidates may be required to present averages/grades above the minimum.)

OR

• Mature student status

Awards and Financial Aid + Contact Us +

Elective Table I (select 2 1term courses from Table I)

Consult the <u>Undergraduate</u>
Calendar, Professionally-Related
Electives Table I for a complete list
of appropriate courses. Once you
have chosen your course, return to
The Chang School website to
search for its availability.

CGEN PRE Two One-Term
Professionally-Related Electives
from Table I



Search Q Login -

Courses and Programs ➤

Enrolment ∨

Students >

Services and Support ➤

Contact Us ∨

Register now

Level 2 Public Administration and Governance

A Certificate

If you have already completed the <u>Level 1 Certificate in Public Administration and Governance</u>, this **Level 2 certificate** will provide you with:

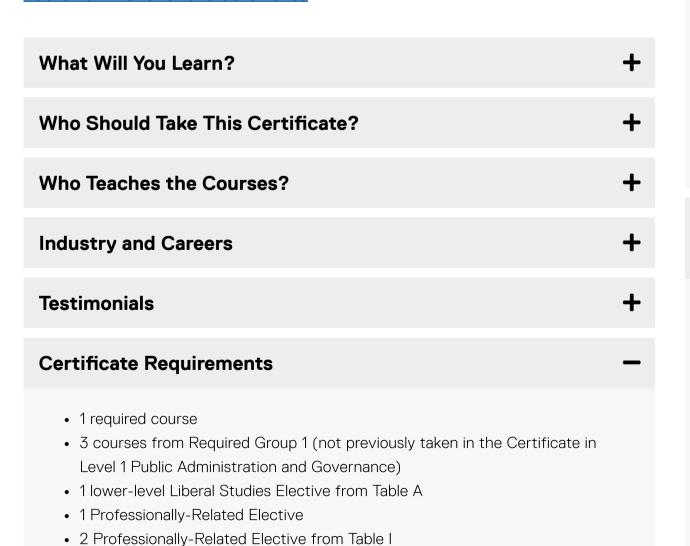
- An introduction to public policy.
- A sharpened understanding of the organization and operation of the public sector.
- Skills for career advancement within the public sector or organizations that deal with it.
- An expanded awareness of the political forces that shape public administration and policy.

Gain the specialized knowledge and skills you need to advance your career in the public sector.

This program is designed for:

- those preparing for jobs or career advancement in:
- federal, provincial, or municipal government
- social service agencies
- public or non-profit organizations
- managers
- administrative officers
- front-line service providers
- policy analysts

By completing this program, you will fulfil Level 2 of <u>Ryerson's BA (Honours) in</u> <u>Public Administration and Governance</u>.



Required Course

CPPA 211 Public Policy

Next Offered:Fall 2022

Required Group 1 (select 3)

Choose 3 courses not previously taken in the Certificate in Level 1 Public Administration and Governance.

CPPA 120 Canadian Politics and

Government

Next Offered:Fall 2022

CPPA 121 Ontario Politics and

<u>Government</u>

CPPA 122 Local Politics and

Government

Next Offered:Fall 2022

CPPA 124 Indigenous Politics and

Governance
Next Offered:Fall 2022

CPPA 235 Theories of the State

CPPA 303 Financial Management

Next Offered: Winter 2023

CPPA 319 Politics of Work and Labour

Liberal Studies Elective Table A (select 1 1-term lower-level course)

Liberal Studies courses are indicated by "LL" for Lower Level and "UL" for Upper Level. Consult the <u>Undergraduate Calendar</u> for the complete list of Liberal Studies courses. Once you have chosen your course, return to <u>The Chang School website</u> to search for its availability.

CGEN LLS One one-term Lower
Level Liberal Studies Elective
from Table A

• Cumulative grade point average (GPA) of 1.67+

Note: If you wish to obtain your Level 1 Certificate in Public Administration and Governance or the Level 2 Certificate in Public Administration and Governance, you must apply through the Office of Undergraduate Admissions for admission to the Public Administration and Governance BA (Honours) program. Do not use the standard continuing education certificate application. Upon completing this certificate and the Level 1 Certificate in Public Administration and Governance, you may continue your studies to earn a <u>BA (Honours) in Public Administration and Governance</u> from Ryerson University.

Admission Criteria

_

Required:

• Level 1 Certificate in Public Administration and Governance

Awards and Financial Aid



Contact Us

+

Professionally-Related Elective (select 1)



CECN 101 Principles of Microeconomics

CECN 104 Introductory

Microeconomics

Next Offered:Spring/Summer 2022

CECN 110 The Economy and Society

CECN 201 Principles of

Macroeconomics CECN 204 Introductory

Macroeconomics

Next Offered: Spring/Summer 2022

CECN 210 Understanding

Economics

CECN 320 Introduction to Financial Economics

Professionally-Related Elective Table I (select 2 1term courses from Table I)

Consult the <u>Undergraduate</u>

<u>Calendar</u>, Professionally-Related

Electives Table I for a complete list of appropriate courses. Once you have chosen your course, return to <u>The Chang School website</u> to search for its availability.

CGEN PRE Two One-Term
Professionally-Related Electives
from Table I



Q Login ▼ Search

Courses and Programs ∨

Enrolment ✓

Students >

Services and Support ➤

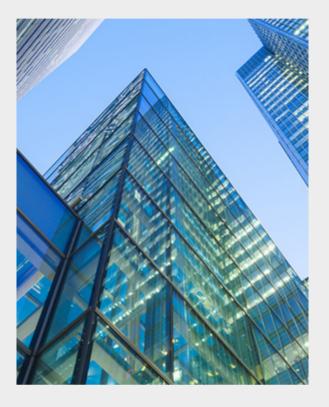
Contact Us ∨

Lighting Design

A Certificate

FULLY ONLINE

The right lighting design can elevate your mood, create a dramatic atmosphere, or provide a safe and healthy workspace. The lighting industry is undergoing dynamic changes due to legislative acts that limit energy budgets for new construction and retrofitting. There is an increasing need for buildings that are both environmentally responsible and ergonomically sound. Our Certificate in Lighting Design includes the opportunity to get real industry experience through a project-based course guided by an expert lighting designer.



Get Connected 🗹

Industry and Careers

- Lighting agent/representative
- Lighting designer
- Manufacturer agent

Who Should Take This Certificate?

If you want to enhance your knowledge and skills in the art and science of lighting design, this certificate is designed for you. Our students come from a wide range of backgrounds, including:

- Architecture or landscape architecture
- Business
- Engineering
- Fashion
- Interior design
- Theatre design and production
- Radio and television arts

What Will You Learn?

Through your courses - including studio classes - you will investigate and develop your understanding of these key topics:

- · Light sources and how they relate to the lighting design process
- Photometric calculations to analyze design applications
- Energy efficiency and management techniques
- · Architectural daylight approaches
- Social and environmental aspects of lighting

Register now **()**

CDID 500 Fundamentals in Lighting Next Offered:Spring/Summer 2023 **CDID 505 Lighting Photometric Software** Next Offered:Fall 2022 **CDID 520 Lighting Controls &**

Required Courses

Energy Management

Next Offered: Winter 2023

CDID 540 Daylighting Design & **Techniques** CDID 560 Intermediate Lighting

<u>Design</u>

Electives (select 1)

CDID 552 Entertainment Lighting Design

CDID 553 Lighting Design Practicum

Next Offered: Winter 2023

Certificate Requirements

- 5 required courses
- 1 elective
- Cumulative grade point average (GPA) of 1.67+

To graduate, you must successfully complete, within your official time span, the requirements from the year you registered in the program. For more information, refer to Time Span in our <u>Glossary of Terms</u>. If certificate requirements change and courses are no longer available, you may request <u>Course Substitutions/Directives</u>. You must apply to graduate on <u>my.ryerson</u> (RAMSS) within the appropriate application deadlines (refer to <u>Important Dates</u>). Visit <u>Graduation</u> for details.

Admission Criteria

_

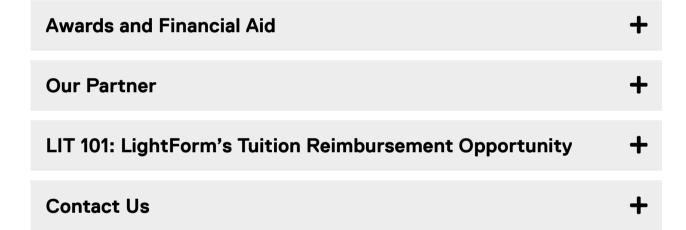
Recommended:

• An undergraduate degree

OR

• Mature student status with related professional experience and education

If you are an undergraduate student, you should be aware of possible certificate restrictions. Check <u>Curriculum Advising</u> of for complete details.





Search Q Login -

Courses and Programs ➤

Enrolment ✓

Students >

Services and Support ∨

Contact Us ∨

Local Economic Development

A Certificate

FULLY ONLINE

Are you interested in working to improve a community's economic health? A career in local economic development (LED) combines business administration and development as well as public administration skills with technical skills like planning, engineering, project management, airport development, real estate, marketing, and more.

Get Connected **☑**



Register now **3**

Required Courses

CPLE 795 Local Economic

Development Fundamentals

CPLE 995 Ecn Development and Business Improvement

Next Offered:Fall 2022

Next Offered:Fall 2022

CVUP 155 LED Applied Research
Project

Next Offered:Spring/Summer 2022

CVUP 160 Capstone Project in LED

Next Offered:Fall 2022

This four-course, fully online certificate is designed for entry-level, experienced, and advanced economic development professionals. It will prepare you to successfully address the current and emerging area of LED in the Canadian context. You may also apply courses towards the educational requirements for your <u>Certified Economic Developer (EcD)</u> certification.

Industry and Careers

The knowledge you gain in this program will assist you in pursuing additional studies or in applying your expertise to roles such as:

- BIA professional
- Business development director
- Community development and innovation director
- Economic development analyst
- Economic development and planning manager
- Economic development and tourism director
- · Policy advisor for federal, provincial, or municipal government
- Program administrator
- Social enterprise consultant
- Tourism manager

Who Should Take This Certificate?

This certificate is for entry-level, experienced, and advanced LED professionals, including:

- Current undergraduate and recent graduate students in urban and regional planning
- Individuals who want to pursue a career in LED
- Practitioners working in government, community agencies, and municipalities who would like to improve their education, skills, and career opportunities
- Municipal politicians, those working in non-governmental organizations (NGO), and residential/industrial commercial realtors

What Will You Learn?

This certificate provides skill development opportunities in creativity and innovation, critical thinking and problem solving, and collaboration and flexibility, allowing you to be able to respond to current LED challenges.

After completing this certificate, you will be able to do the following:

- Apply in-depth knowledge of the economic development process
- Navigate governance as it relates to the LED structure
- Execute operations inclusive of mentoring, create partnerships, and create alliances through networking
- Conduct tactical and strategic municipal planning and build strategies
- Utilize solid communication skills to deliver presentations, media relations, and communications planning
- Create and present marketing/sales plans
- Interpret financial statements and budgets, analyze risks, and create business plans

Certificate Requirements



- 4 required courses
- Cumulative grade point average (GPA) 1.67+

To graduate, you must successfully complete, within your official time span, the requirements from the year you registered in the program. For more information, refer to Time Span in our <u>Glossary of Terms</u>. If certificate requirements change and courses are no longer available, you may request <u>Course Substitutions/Directives</u>. You must apply to graduate on <u>my.ryerson</u> (RAMSS) within the appropriate application deadlines (refer to <u>Important Dates</u>). Visit <u>Graduation</u> for details.

Admission Criteria



Recommended:

- Ontario Secondary School Diploma (OSSD) or equivalent
 - With 6 Grade 12 U or M credits (including English)
 - With a minimum average of 60 percent

OR

• An undergraduate degree

OR

A college diploma

OR

Mature student status with combination of relevant work and life experience

If you are an undergraduate student, you should be aware of possible certificate restrictions. Check <u>Curriculum Advising</u> of for complete details.

Professional Designations and Accreditation + Awards and Financial Aid + Frequently Asked Questions + Contact Us



Search Q Login ▼

Courses and Programs ➤

Enrolment ∨

Students >

Services and Support ➤

Contact Us ✓

Media Writing Fundamentals



The Certificate in Media Writing Fundamentals will not be accepting any new registrants. This certificate has been discontinued effective Fall 2021. Students formally registered in the certificate prior to July 2, 2021 must complete the program requirements in effect at the time they registered.

For more information, please contact <u>ce@ryerson.ca</u>.

Explore Our Related Options

Take this opportunity to pursue a new direction! If you'd like to continue learning with us, we have other related certificates and courses available for you to discover. Check out these options:

- Deliver effective, persuasive information and keep your organization in the know through our <u>Certificate in Business Communication</u>
- Sharpen your writing, interviewing, and research skills for screens both big and small through our <u>Certificate in Film Studies</u> screenwriting courses

CDMP 125 - Fiction Screenwriting
CDMP 126 - Non-Fiction Screenwriting
CDMP 700 - Advanced Screenwriting

While our Media Writing Fundamentals certificate has been discontinued, you can continue to take available courses from this program. Find out what's open for enrolment through the Electives list found on this page.

Register now **2**

Required Courses

CRTA 102 Creative Processes

CRTA 212 Media Writing

Electives (select 5)

CDMP 125 Fiction Screenwriting

Next Offered:Fall 2022

CDMP 126 Non-Fiction
Screenwriting

CRTA 941 Dramatic Writing

Next Offered:Spring/Summer 2023

CRTA 943 Comedy Writing

CRTA 944 Writing for Animation

CRTA 945 Writing for Factual and Reality Programs



Search Q Login -

Courses and Programs ➤

Enrolment ∨

Students >

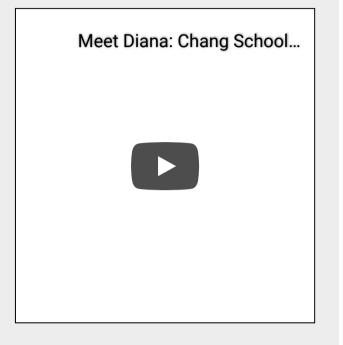
Services and Support ∨

Contact Us ∨

Mental Health and Addictions

A Certificate

Grow your knowledge in mental health and addictions and learn more about assessment, treatment, and self-help strategies within individual, group, family, and community contexts. Not only will our degree-credit courses help you build a foundation in psychology but you will gain new skills to add to your career toolkit to help you level up.



Get Connected 🗹

Industry and Careers

This certificate can lead to career paths in roles such as:

- Psychologist
- Social worker
- · Child and youth worker
- Mental health and addictions counsellor
- Mental health advocate
- Hospital administrator
- Clinical coordinator
- Counselling administrator

Who Should Take This Certificate?

- Individuals who require knowledge of mental health and addictions to enhance their work and better understand the circumstances of clients, employees, colleagues in their places of employment and volunteerism
- Students who would like to use the degree-credit courses towards completion of their undergraduate degree

What Will You Learn?

Two introductory courses will provide you with a foundation in psychology by examining the basic principles and applications to everyday experience.

You will then focus on the psychology of addictions and disorders. Some of the disorders you will explore include: depressive disorders, anxiety disorders, schizophrenia, personality disorders, and eating disorders.

Certificate Requirements

- 4 required courses
- 6 electives*
- Cumulative grade point average (GPA) of 1.67+

*Select 2 (or 3) selections from Electives – Group A and 3 (or 4) courses from

Flactivas - Group R

Register now **2**

Required Courses

CPSY 102 Introduction to

Psychology I

Next Offered: Spring/Summer 2022

CPSY 202 Introduction to

Psychology II

Next Offered:Spring/Summer 2022

CPSY 215 Psychology of

Addictions

Next Offered: Spring/Summer 2022

CPSY 325 Psychological

Disorders

Next Offered:Fall 2022

Electives – Group A (select 2 or 3)

You may only select 1 of CPSY 214 or CPSY 607. If you choose to take 2 courses from this category, you will need to complete 4 courses from Electives – Group B to fulfill the certificate requirements; if you take 3 courses, you will need to complete 3 courses from Electives – Group B.

CPSY 214 Psychopharmacology

CPSY 324 Biological Psychology

Next Offered:Spring/Summer 2022

<u>CPSY 335 Clinical Psychology</u>

Next Offered:Spring/Summer 2022

CPSY 607 Drugs and Human Behaviour

Next Offered:Fall 2022

Electives – Group B (select 3 or 4)

CPSY 300 Psychology and Law

Next Offered:Spring/Summer 2022

CPSY 302 Child Development

Next Offered:Fall 2022

CPSY 412 Human Brain Circuitry

CPSY 602 Developmental

Psychonathology

Flectives - aloup D.

To graduate, you must successfully complete, within your official time span, the requirements from the year you registered in the program. For more information, refer to Time Span in our <u>Glossary of Terms</u>. If certificate requirements change and courses are no longer available, you may request <u>Course Substitutions/Directives</u>. You must apply to graduate on <u>my.ryerson</u> (RAMSS) within the appropriate application deadlines (refer to <u>Important Dates</u>). Visit <u>Graduation</u> for details.

Admission Criteria

_

Recommended:

- Ontario Secondary School Diploma (OSSD) or equivalent
 - With 6 Grade 12 U or M credits

OR

 Mature student status with 3 years of professional experience in business, community service, or industry

If you are an undergraduate student, you should be aware of possible certificate restrictions. Check <u>Curriculum Advising</u> of for complete details.

Awards and Financial Aid



Contact Us



<u>ı oyunuputnulugy</u>

Next Offered:Fall 2022

<u>CPSY 605 Psychology of Health</u> and Health Care

Next Offered: Winter 2023

CPSY 620 Psychology of

Immigration CPSY 621 Psychology of Human

North Office of Coming of Company of 2000

<u>Sexuality</u>

Next Offered:Spring/Summer 2022

CPSY 682 Sleep

Next Offered:Fall 2022

CPSY 802 Death, Dying and

Bereavement

Next Offered: Winter 2023

CPSY 805 Adjustment, Stress

and Coping

Next Offered:Fall 2022

CPSY 806 Behaviour Modification

CPSY 808 Community

Psychology

Next Offered: Spring/Summer 2023



Search



Q Login *

Courses and Programs ∨

Enrolment ✓

Students >

Not ready to enrol but

Fill out this form and a representative

from The Chang School will contact

want to learn more?

you.

Services and Support ➤

Contact Us ✓

Music: Global and Cultural Contexts

A Certificate



Explore musical creation in all its rich diversity. Learn about complex music from around the globe - from ancient times to the modern age. Hone your skills in critical thinking, analysis, and writing. Study the ways music reflects and responds to shifting cultural, social, political, and historical environments.

If you are interested in the study and

practice of music for personal enrichment,

academic progress, or professional development, this program is for you.

What Will You Learn? Who Should Take This Certificate? Who Teaches the Courses? **Industry and Careers Testimonials Certificate Requirements**

- 1 required course*
- 5 electives
- Cumulative grade point average (GPA) of 1.67+

*You can select either CMUS 101 or CMUS 106 as your required course, or take both. If you choose to take both, you only need to complete four electives to fulfill the certificate requirements.

Register now **()**

Required Courses

You can select either CMUS 101 or CMUS 106 as your required course, or take both. If you choose to take both, you only need to complete 1 course from Electives – Group A to fulfill the certificate requirements.

CMUS 101 Intro to World and Early European Music

Next Offered: Winter 2023

CMUS 106 The Architecture of <u>Music</u>

Next Offered: Spring/Summer 2023

Electives - Group A (select 1 or 2)

CMUS 105 Voices Without Borders: Global Chorus

CMUS 211 Music Cultures of the City

CMUS 401 Music, Religion and **Spirituality**

CMUS 501 Music of World Cultures

Next Offered:Fall 2022

CMUS 520 Women in Popular

Next Offered: Spring/Summer 2023

3)

CMUS 201 Introduction to Classical Music

Next Offered:Fall 2022

CMUS 303 Global Guitar

CMUS 503 Social Issues in

Popular Music

Next Offered: Winter 2023

CMUS 505 The History of Pop Music

Next Offered: Spring/Summer 2022

CRTA 180 Music and Film

Contact Us

To graduate, you must successfully complete, within your official time span, the requirements from the year you registered in the program. For more information, refer to Time Span in our <u>Glossary of Terms</u>. If certificate requirements change and courses are no longer available, you may request <u>Course Substitutions/Directives</u>. You must apply to graduate on <u>my.ryerson</u> (RAMSS) within the appropriate

application deadlines (refer to Important Dates). Visit Graduation for details.

Next Offered:Spring/Summer 2022

CRTA 183 Rhythm, Beat and Groove

CRTA 530 Chinese Music

Recommended Course Sequence Admission Criteria Recommended: Ontario Secondary School Diploma (OSSD) or equivalent With 6 Grade 12 U or M credits, including English With a minimum grade of 70 percent OR Mature student status with relevant work experience Awards and Financial Aid +



Search Q Login ▼

Courses and Programs ➤

Enrolment ✓

Students >

Services and Support ➤

Contact Us ✓

News Studies



The Certificate in News Studies will not be accepting any new registrants. This certificate has been discontinued effective Fall 2021, and the courses related to this certificate will no longer be offered.

For more information, please contact <u>ce@ryerson.ca</u>.

Explore Our Related Certificates

Take this opportunity to pursue a new direction! If you'd like to continue learning with us, we have other related certificates and courses available for you to discover. Check out these options:

- Deliver effective, persuasive information and keep your organization in the know through our <u>Certificate in Business Communication</u>
- Become a crisis management pro and business reputation defender with our <u>Certificate in Public Relations</u>

Register now **>**

Required Course

CNNS 101 Introduction to News
Studies

Electives (select 5)

CNNS 102 Understanding
Multimedia Journalism

CNNS 344 Making a Difference: How Journalism Matters

CNNS 401 History of Journalism

CNNS 404 Journalism's Best

CNNS 410 Queer Media

CNNS 412 Documentary Survey

CNNS 419 Journalism in Comedy

CNNS 500 Journalism and the Arts

CNNS 502 Follow the Money:
Business Journalism

CNNS 505 Health and Science

Journalism

CNNS 512 Reporting Sports



Search Q Login -

Courses and Programs ➤

Enrolment ✓

Students >

Services and Support >

Contact Us ∨

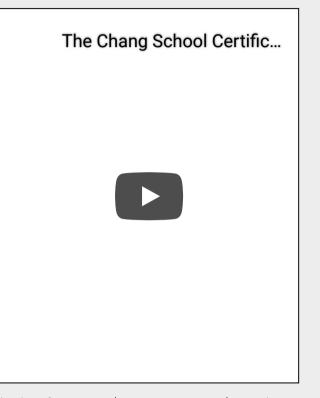
Register now **()**

Nonprofit and Voluntary Sector Management

A Certificate

FULLY ONLINE

The nonprofit and voluntary sector is an exciting and dynamic force enacting positive change in Canada's quality of life. Nonprofits and charities engage residents and develop communities, providing programs and services, and contributing to an ongoing wave of change and innovation for the greater good. The Certificate in Nonprofit and Voluntary Sector Management will equip you with a comprehensive and practical understanding of the key areas of the sector and ways to navigate this ever-changing field. Whether you are interested in beginning a career in nonprofit and



voluntary organizations or you are transitioning from another sector, our dynamic and interdisciplinary program offers opportunities at all levels of this diverse and fast-growing sector.

Get Connected 2

Industry and Careers

The opportunities offered by the nonprofit and voluntary sector are wide and diverse, from larger scale operations like the International Red Cross to local nonprofits working with youth in their communities. Graduates of the certificate may find career opportunities in local, national, and international nonprofits, charitable organizations, government, and more.

This certificate can lead to career paths in the following specializations:

- Adminstration
- Advocacy and government relations
- Communications
- Leadership and management
- Marketing and fund development
- Program development and delivery
- Research and policy
- Volunteer management

Who Should Take This Certificate?

- Experienced workers in the nonprofit sector who seek to deepen and broaden their knowledge and learn specific skills they haven't learned on the job – for example, leadership or management
- Individuals who are interested in transitioning into the charitable sector from the business or public sector

Required Courses

You may only select one of CINP 902 or CINP 915.

CINP 900 Understanding the

Nonprofit Sector

Next Offered:Fall 2022

CINP 901 Effective Nonprofit

<u>Organizations</u>

Next Offered: Fall 2022

CINP 902 Evaluation for

Nonprofits

Next Offered: Fall 2022

CINP 915 Financial Management

for Nonprofits

Next Offered: Winter 2023

CINP 920 Critical Issues in the

Nonprofit Sector

Next Offered:Winter 2023

Electives (select 4 not previously taken in Required Courses)

CINP 902 Evaluation for

Nonprofits

Next Offered:Fall 2022

CINP 910 Strategic Planning for

Nonprofits

Next Offered: Winter 2023

CINP 911 Advocacy and Gov't

Relations: Nonprofits

Next Offered:Fall 2022

CINP 912 Marketing for

Nonprofits

Next Offered: Winter 2023

CINP 913 Leadership in

Nonprofits

Next Offered:Fall 2022

CINP 914 Diversity in Nonprofits

Next Offered:Fall 2022

CINP 915 Financial Management

for Nonprofits

Next Offered: Winter 2023

CINP 916 Nonprofits on the

pasificas of papilo socio

Global Stage

Next Offered: Winter 2023

• Undergraduate students who are interested in completing degree-credit courses or a minor in the nonprofit sector

• Individuals who are interested in developing relationships and partnerships with nonprofit organizations from a base in the public, institutional, or private sectors.

What Will You Learn?

The program's interdisciplinary curriculum pools knowledge from Ryerson University's Faculty of Arts and the Ted Rogers School of Management. Customize your learning with courses that offer an engaging blend of theory and practice. After completing this certificate, you will be well versed in key areas of nonprofit and voluntary sector management:

- Leadership
- Marketing
- Financial management
- Strategic planning
- Evaluation
- · Organizational management and change
- Diversity
- · Issues in the sector
- International NGOs

Certificate Requirements



- 4 required courses
- 4 electives
- Cumulative grade point average (GPA) of 1.67+

To graduate, you must successfully complete, within your official time span, the requirements from the year you registered in the program. For more information, refer to Time Span in our <u>Glossary of Terms</u>. If certificate requirements change and courses are no longer available, you may request <u>Course Substitutions/Directives</u>. You must apply to graduate on <u>my.ryerson</u> (RAMSS) within the appropriate application deadlines (refer to <u>Important Dates</u>). Visit <u>Graduation</u> for details.

Note: All courses in the certificate are undergraduate level credit courses.

All courses in this certificate are offered online and in class.

Admission Criteria



Recommended:

- Ontario Secondary School Diploma (OSSD) or equivalent
 - With 6 Grade 12 U or M credits

OR

• Mature student status

Awards and Financial Aid + Frequently Asked Questions + Contact Us +



Search



Q Login *

Courses and Programs ∨

Enrolment ✓

Students >

Services and Support ➤

Contact Us >

Nursing and Interprofessional Healthcare Leadership and Management

A Certificate

Register now **()**



FULLY ONLINE

Looking to leverage your experience as a healthcare professional into a higher powered position? In a rapidly changing landscape in the wake of the COVID-19 pandemic, leadership and management positions can offer new opportunities to those working in the healthcare sector. From social services to public health, all levels of the healthcare field are in need of leaders and innovators to effect change — and this could be you. With a unique specialization for registered nurses and other healthcare professionals, this fully online certificate combines practical and professional knowledge to help you



transition smoothly into leadership and management roles.

Get Connected 2

Industry and Careers

Designed specifically for healthcare professionals and Registered Nurses, this certificate will not only enhance your existing skill set but upgrade your credentials to help put you on a track to leadership roles across hospitals, long-term care facilities, and social services.

Set yourself apart with your knowledge of management theories across all levels of organization:

 Education, public health, community support, poverty alleviation, patient outcomes, and a firm understanding of healthcare systems

Who Should Take This Certificate?

- Members of a regulated health discipline with a minimum of an undergraduate
- Registered Nurses (RNs)
- Undergraduate students with a degree in health services management

What Will You Learn?

Customize your learning experience to match your professional goals and choose from a range of electives, from community conflict resolution skills to computer management. Utilizing the LEADS framework, students will apply core components of nursing leadership and management. With best practice guidelines for Developing and Sustaining Nursing Leadership by the Registered Nurses' Association of Ontario (RNAO), students will:

Lead self

Required

CVNU 360 Advanced Leadership and Management

Next Offered:Fall 2022

CVNU 370 Change and Innovation

Next Offered: Winter 2023

Electives (select 2)

Other electives may be selected with consultation and permission of the Academic Lead. e.g. CMHR 850: Coaching, Facilitation, and Internal Consulting; other Human Resources courses such as Recruitment and Selection, Training and development, Compensation, HR Planning, Occupational Health and Safety, Union Relations or other newly developed courses.

CINT 900 Program Planning and Evaluation Strategies

Next Offered: Fall 2022

CTEC 210 Fundamentals of Project Management

Next Offered: Fall 2022

CHSM 301 The Healthcare Systems

Next Offered: Fall 2022

CHSM 307 Principles of Long <u>Term Care Service Del.</u>

Next Offered: Winter 2023

CINT 901 Gerontology: Critical Issues and Future Trends

Next Offered: Fall 2022

CINT 904 Health Promotion and Community Development

Next Offered:Fall 2022

CINT 905 Conflict Resolution in Community Services

Next Offered:Spring/Summer 2022

CINT 907 Team Work for Community Services

Next Offered:Fall 2022

Engage others

Achieve results

Develop coalitions

Systems transformation

Learning in action: Kimberly, a Chang School student and RN, <u>put theory into real-life</u> <u>practice</u> in her workplace through concepts and projects taken in the program.

Certificate Requirements

- Two required courses
- Two electives*
- Cumulative grade point average (GPA) of 1.67+

*Electives are divided into two groups, allowing you to focus on specialized skills. Select courses from program planning and evaluation and/or leadership and management electives.

To graduate, you must successfully complete, within your official time span, the requirements from the year you registered in the program. For more information, refer to Time Span in our Glossary of Terms .

If the certificate requirements change and courses are no longer available, you may request Course Substitutions/Directives. You must apply to graduate on my.ryerson (RAMSS) within the appropriate application deadlines (refer to lmportant Dates (To details).

Admission Criteria

To qualify for registration into the certificate, you must meet one of the following criteria:

- be a member of a regulated health discipline with a minimum of an undergraduate degree
- undergraduate (or equivalent) degree in health services management
- registered practical nurse (RPN) license (recommended completion of two prior undergraduate courses with a C and written assignments)

Admission Application

Students who may need to refresh their baccalaureate leadership and management foundational knowledge and skills may be advised to consider taking one of the following prior to registering in the certificate program:

CNUR 831 - Leadership Development for Practice 🗹 (for baccalaureate RNs only)

CHSM 306 - Management Leadership and Decision-Making 🗹

CKPM 211 - Leadership in Project Management 🗹

CMHR 405 - Organizational Behaviour and Interpersonal Skills 🗹

Awards and Financial Aid



Frequently Asked Questions



Contact Us



CVIN 150 Advancing the Patient Experience

CVNU 322 Computer and Information Management in Nursing

Next Offered: Fall 2022

CVNU 325 Nursing Informatics and Patient Safety



Search Q Login -

Courses and Programs ➤

Enrolment ∨

Students >

Services and Support >

Contact Us ✓

Occupational Health and Safety

A Certificate

FULLY ONLINE

Get "recession-proof" skills for jobs in industries like construction, manufacturing, and healthcare with our Certificate in Occupational Health and Safety. Now more than ever, employers need skilled professionals to ensure their workplaces are safe and healthy. Our certificate will help you become an expert in developing, implementing, managing, and evaluating health and safety programs.



The Chang School Certific...



Industry and Careers

This certificate can support your career growth in a range of industries like hospitals/healthcare providers, mining, forestry, construction, transportation and more.

This certificate can lead to a career in roles such as:

- Health and Safety Assistant
- OHS Administrator
- OHS Coordinator
- Health and Safety Officer

Who Should Take This Certificate?

- Individuals who need to fulfill an occupational health and safety (OHS) function as part of your current role
- Individuals looking for a new job/skills that are always in demand
- Occupational health and safety professionals who are looking for career advancement and to meet the Canadian Registered Safety Professional requirements.

What Will You Learn?

After completing this certificate, you will able to:

- Navigate OHS legislation
- Complete OHS management reports
- Analyze occupational hygiene assessments
- Conduct hazard recognition and assessment, and provide solutions for controls
- Meets the educational requirements to write the Canadian Registered Safety Technician exam
- Meets the requirements to write the Canadian Registered Safety Professional exam

After completing this certificate, you must continue on to our two other health and safety certificates – <u>Advanced Safety Management</u> and <u>Occupational Health and Safety Leadership</u> – to satisfy the educational requirements to take the Canadian

Register now **>**

CCMN 114 Short Management

<u>Reports</u>

Required Courses

Next Offered:Fall 2022

CMHR 405 Organizational Behaviour

COHS 208 Occupational Health and Safety Law

Next Offered:Fall 2022

COHS 314 Physical Agents

Next Offered: Fall 2022

COHS 508 Occupational Health and Safety

Next Offered:Spring/Summer 2022

COHS 608 Hazard Recognition and Control

Next Offered:Fall 2022

COHS 811 OHSE Management
Systems

Next Offered:Fall 2022

Electives (select 1)

CINT 904 Health Promotion and Community Development

Next Offered:Fall 2022

CPPA 101 Cdn Public
Administration I: Institutions

Next Offered:Fall 2022

Registered Satety Professional (CRSP) Board exam.

Certificate Requirements

- 7 required courses
- 1 elective
- Cumulative grade point average (GPA) of 1.67+

To graduate, you must successfully complete, within your official time span, the requirements from the year you registered in the program. For more information, refer to Time Span in our <u>Glossary of Terms</u>. If certificate requirements change and courses are no longer available, you may request <u>Course Substitutions/Directives</u>. You must apply to graduate on <u>my.ryerson</u> (RAMSS) within the appropriate application deadlines (refer to <u>Important Dates</u>). Visit <u>Graduation</u> for details.

Admission Criteria



Recommended:

Contact Us

- Ontario Secondary School Diploma (OSSD) or equivalent
 - With six Grade 12 U or M credits

OR

• Mature student status

If you are an undergraduate student, you should be aware of possible certificate restrictions. Check <u>Curriculum Advising</u> of for complete details.

Awards and Financial Aid + Frequently Asked Questions +



Search

Courses and Programs ➤

Enrolment >

Students >

Services and Support ➤

Contact Us ∨

Q Login *

Occupational Health and Safety Leadership

A Certificate

FULLY ONLINE

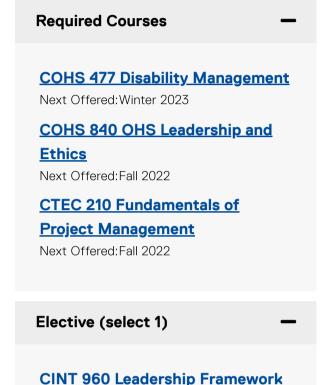
Prepare yourself for leadership roles, responsibilities, and management in the field of occupational health and safety (OHS). Learn from industry experts to enhance your OHS knowledge and learn to lead from a management perspective. The courses in this program focus on project management, leadership, ethics, and ability management to prepare you to become an OHS leader.

By completing this program after the Certificate in Occupational Health and Safety and the Certificate in Advanced Safety Management, you

will be prepared to successfully complete the Board of Canadian Registered Safety Professionals (BCRSP) exam to become a Canadian Registered Safety Professional (CRSP). This is one of the few certificate programs in Ontario that meets CRSP educational requirements.

Get Connected 2

Register now **3**



for Community Next Offered:Fall 2022

CMHR 640 Leadership

Industry and Careers

This certificate can lead to career paths in roles such as:

- Compliance officer
- Disability management professional
- OHS director
- OHS manager
- OHS officer
- · Risk manager
- · Vice president, health and safety

According to the Board of Canadian Registered Safety Professionals (BCRSP), becoming a Canadian Registered Safety Professional (CRSP) can help you:

- increase your earning potential
- enhance your employability and mobility
- enhance your professional credibility

Who Should Take This Certificate?

This program is for individuals who have completed the <u>Certificate in Occupational Health</u> and <u>Safety and/or the Certificate in Advanced Safety Management</u> and want to take their

If your goal is to work as a leader in the OHS field, or if you're already working in a leadership position and want to formalize your education and build on your skills, this certificate is for you.

What Will You Learn?

After completing this certificate, you will be able to:

- lead best practice in OHS planning and management
- · address integrated disability management
- navigate government legislation and regulations
- implement fundamentals of project management
- apply OHS business perspectives
- understand ethical leadership
- interpret OHS return on investment, cost, and savings

Courses are drawn from Ryerson University's Bachelor of Applied Science in Occupational and Public Health (BASc). Courses completed as part of this certificate may be recognized towards the completion of the BASc. Offered through the School of Occupational and Public Health, the BASc is the only degree-level program of its kind in Canada.

Certificate Requirements

- 3 required courses
- 1 elective
- Cumulative grade point average (GPA) of 1.67+

To graduate, you must successfully complete, within your official time span, the requirements from the year you registered in the program. For more information, refer to Time Span in our <u>Glossary of Terms</u>. If certificate requirements change and courses are no longer available, you may request <u>Course Substitutions/Directives</u>. You must apply to graduate on <u>my.ryerson</u> (RAMSS) within the appropriate application deadlines (refer to <u>Important Dates</u>). Visit <u>Graduation</u> for details.

Admission Criteria

Required:

• Certificate in Occupational Health and Safety

OR

• Certificate in Advanced Safety Management

OR

Equivalent

If you are an undergraduate student, you should be aware of possible certificate restrictions. Check <u>Curriculum Advising</u> of for complete details.

Professional Designations and Accreditation + Awards and Financial Aid + Frequently Asked Questions + Contact Us +



Search Q Login -

Courses and Programs ➤

Enrolment ✓

Students >

Services and Support ∨

Contact Us ∨

Photography Studies

A Certificate

Photography is an important medium of communication in industry, sales and advertising, government, education, media, and the arts. The demand for properly trained and qualified photographers continues to grow. The rise of digital photography technology has lowered traditional barriers to entry, creating new business opportunities for entrepreneurs. Our Certificate in Photography Studies can help you make a career change, establish your own photography business, improve your chances for

Achievers at The Chang S...

jobs in photography-related fields, or prepare you to apply for a degree program in photography.

This certificate will help you advance or change your career while developing the technical knowledge and skills to provide hands-on innovation through robotics and embedded systems products and devices.

Industry and Careers

Photography is an important medium of communication in:

- Arts
- Education
- Industry
- Media
- Sales and advertising
- Government

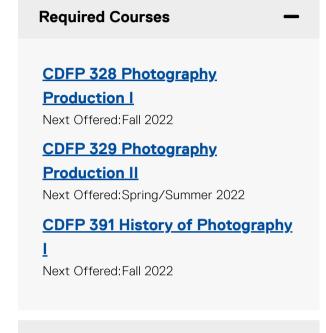
Use this program to:

- Build your professional portfolio
- Gain the technical foundation to start your own business in photography for:
 - Architecture
 - Commercial products
 - Contemporary photographic art
 - Fashion
 - Human figure
 - Photojournalism
 - Portrait
 - Weddings

Who Should Take This Certificate?

• Professional photographers looking to build their skill sets to Improve job chances in photography-related fields and upgrade their current level of photography expertise

Register now **2**



Electives: 39-Hour Courses (select 5)

2 19.5-hour courses may be completed as the equivalent of 1 39-hour course.

CDFP 320 Analog Photography

CDFP 322 Photography for Ad Agencies

CDFP 332 Digital Printing

CDFP 333 Photography and Digital Imaging

Next Offered:Winter 2023

CDFP 353 From Still to Motion

CDFP 358 Photography and the Screen

CDFP 367 Photoshop for

Photographers

Next Offered:Spring/Summer 2023

CDFP 378 20th Century

<u>Photography</u>

CDFP 381 Advanced Fashion Photography

CDFP 382 Advanced Portrait
Photography

Next Offered:Spring/Summer 2022

CDFP 389 Studio Lighting I

Next Offered:Spring/Summer 2022

CDFP 390 Studio Lighting II

<u>CDFP 392 Documentary</u> <u>Photography</u>

Next Offered:Spring/Summer 2023

- Individuals looking to retrain or make a career change into photography
- Individuals preparing for a photography degree program at an advanced level

You can enrol in individual courses to gain specific skills, or take the whole certificate program to develop a greater depth of photography knowledge.

What Will You Learn?

- Learn about the technical side of photography including:
 - Bookmaking
 - Business skills for photographers
 - Digital printing workshopLarge format
 - Human figure
 - Photoshop techniques
 - Silver-based printing
- Focus on photography production and create a number of portfolios to change or advance your career
- Explore specialties including fashion, portrait, wedding, editorial, and more

Certificate Requirements

- 3 required courses
- 5 39-hour electives
 - 2 19.5-hour courses are considered equivalent to 1 39-hour course
- Cumulative grade point average (GPA) of 1.67+

You must complete the certificate within five years of registering in the Certificate in Photography Studies program.

To graduate, you must successfully complete, within your official time span, the requirements from the year you registered in the program. For more information, refer to Time Span in our <u>Glossary of Terms</u>. If certificate requirements change and courses are no longer available, you may request <u>Course Substitutions/Directives</u>. You must apply to graduate on <u>my.ryerson</u> (RAMSS) within the appropriate application deadlines (refer to <u>Important Dates</u>). Visit <u>Graduation</u> for details.

Admission Criteria

Recommended:

- Ontario Secondary School Diploma (OSSD) or equivalent
 - With 6 Grade 12 U or M credits (including English)
 - With a minimum average of 60 percent

OR

· Mature student status with professional experience

If you are an undergraduate student, you should be aware of possible certificate restrictions. Check <u>Curriculum Advising</u> of for complete details.

Awards and Financial Aid

+

Frequently Asked Questions

•

Contact Us

T

CDFP 398 History of Photography II

CDFP 403 Creative Wedding

<u>Photography</u>

CDFP 404 Magazine/Editorial

Photography

CDFP 405 Architectural

Photography

CDFP 415 Studio Lighting III

CDFP 905 Contemporary

Photographic Art

Next Offered: Winter 2023

CDFP 918 Photojournalism

CFPN 532 Advanced Studio
Lighting

CFPN 536 Media Business

Practices

Next Offered: Winter 2023

CFPN 539 The Human Figure

Electives: 19.5-Hour Courses

2 19.5-hour courses may be completed as the equivalent of 1 39-hour course.

CDFP 312 Art Direction for Ad Agencies

CDFP 414 Traditional Photography

CDFP 432 Digital Printing
Workshop

CDFP 907 Using a 4X5 View
Camera



Q Login * Search

Courses and Programs ∨

Enrolment ✓

Students >

Services and Support ➤

Contact Us ∨

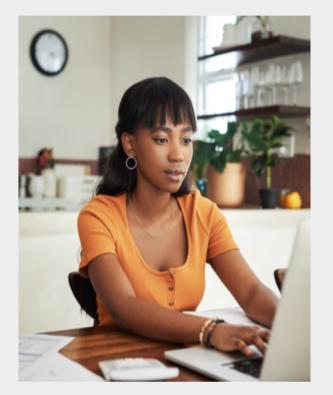
Practical Data Science and Machine Learning

A Certificate

Register now **()**

FULLY ONLINE

Our world is driven by data. Professionals with skills in practical data science and machine learning are a highly valuable asset, in demand to help organizations solve business problems, make better evidencebased decisions, and predict the latest trends. Our fully online certificate program will teach you how to program queries in Python, and how to use machine learning and artificial intelligence (AI) platforms to implement the most up-to-date technical and analytic approaches, applications, big data tools, and software for querying data. Become the data storyteller employers are looking for!



Required **CIND 719 Big Data Analytics Tools** Next Offered:Fall 2022 **CIND 840 Practical Approaches in** Machine Learning Next Offered:Fall 2022 **CIND 850 Practical Deep Learning** Next Offered:Fall 2022 **CIND 860 Advanced Data Analytics Project**

Next Offered: Winter 2023

Get Connected 2

This four-course Certificate in Practical Data Science and Machine Learning builds on the quantitative background from the Certificate in Data Analytics, Big Data and Predictive Analytics or previous industry experience (or equivalent).

Industry and Careers

Professionals with highly developed skills in data science and machine learning are in demand. This certificate can lead to career paths in various roles. Here are some examples:

This certificate can lead to career paths in various fields. Here are some examples:

- Automation director
- Big data analyst
- · Big data consultant
- Big data engineer
- · Chief data officer
- Chief productivity officer
- Data analyst
- Data scientist
- Human-computer interaction (AI) expert
- · Human-technology integration specialist
- Operations developer (DevOps)
- Operations manager

Who Should Take This Certificate?

Professionals with experience in Python, machine learning, and predictive analytics

who want to expand their expertise

 Individuals who have already taken our Certificate in Data Analytics, Big Data and Predictive Analytics and want to learn the essential components that are intrinsic to practical data science and machine learning

What Will You Learn?

After completing this certificate, you will be able to do the following:

- Construct big data analytics algorithms and use machine learning algorithms to solve real-world problems
- Use the Linux file system effectively (Bash commands, regular expressions), work
 with the Hadoop platform, write complex queries on big data using Apache Hive, and
 write scripts and analyze data using Apache Spark
- Use relevant and visualization R packages or Python libraries to address a problem
- Build and design predictive models to represent domains under study, and build ensemble learning models to aim for higher accuracy
- Differentiate between supervised and unsupervised machine learning algorithms based on research questions
- Apply, train, and evaluate different deep learning models based on specific tasks
- Replicate state-of-the-art studies and highlight the similarities and differences between the actual and replicated work in terms of applied datasets, approaches, tools, and outcomes

Certificate Requirements

- Four required courses
- Cumulative grade point average (GPA) of 1.67+

To graduate, you must successfully complete, within your official time span, the requirements from the year you registered in the program. For more information, refer to Time Span in our <u>Glossary of Terms</u>. If certificate requirements change and courses are no longer available, you may request <u>Course Substitutions/Directives</u>. You must apply to graduate on <u>my.ryerson</u> (RAMSS) within the appropriate application deadlines (refer to <u>Important Dates</u>). Visit <u>Graduation</u> for details.

Admission Criteria

Recommended:

Hold The Chang School's <u>Data Analytics</u>, <u>Big Data</u>, <u>and Predictive</u> <u>Analytics</u> certificate or equivalent.

OR

Mature student status and other relevant qualifications or relevant industry experience (to be determined by the Program Director).

If you are an undergraduate student, you should be aware of possible restrictions. Check <u>Curriculum Advising</u> for complete details.

Professional Designations and Accreditation + Awards and Financial Aid + Frequently Asked Questions + Contact Us +



Search Q Login -

Courses and Programs ➤

Enrolment ✓

Students >

Hot Careers Spotlight: The...

Services and Support ∨

Contact Us ✓

Register now **2**

Privacy, Access, and Information Management

A Certificate

In today's rapidly evolving digital economy, individual privacy and the security of personal information have never been more important. High-profile breaches, heightened surveillance, increased access to data – these all present new and serious challenges for organizations and contribute to an increased demand for skilled privacy professionals. Our Certificate in Privacy, Access, and Information Management prepares you to address the complexity of these

issues. This certificate will help you acquire the knowledge and expertise needed to gain employment in this in-demand career specialization.

Get Connected 🗹

Industry and Careers

This certificate can lead to career paths in roles such as:

- Privacy officer
- Privacy analyst
- · Information and records management specialist
- Data and trust officer
- · Information privacy technologist
- Freedom of information coordinator
- Privacy and compliance manager
- Access to information analyst

Who Should Take This Certificate?

- Recent degree graduates looking for an in-demand career specialization.
- Working professionals who want to pivot into a privacy-based role within an existing
 organization or change careers and go into privacy, but do not have the
 qualifications.
- Professionals who have recently been hired to work on privacy and access issues and who need training.

What Will You Learn?

In this certificate program, you will learn how to:

- Leverage technology as the driving force for future policy issues
- Plan and schedule the project in a group setting using the critical path method (CPM)
- Identify, plan, and manage project risk and quality using analytical tools and methods

Required Courses CLAW 401 Information Access and Privacy Protection Next Offered: Fall 2022 CZIT 427 Data and Info. Mont.

CZIT 427 Data and Info. Mgmt for Privacy

Next Offered:Winter 2023

CZLW 327 Privacy By Design

Next Offered: Fall 2022

CZLW 527 Applying Privacy and Access

Next Offered: Winter 2023

Electives (select 2)

Principles

CDPR 100 Public Relations

CHIM 305 Introduction to Health Informatics

Next Offered:Fall 2022

CITM 301 IT Infrastructure

Next Offered:Fall 2022

CITM 820 Information Systems

Security and Privacy

Next Offered:Fall 2022

CLAW 122 Business Law

Next Offered:Fall 2022

CLAW 402 Health Information

Access and Privacy

Next Offered:Winter 2023

CMHR 405 Organizational

<u>Behaviour</u>

CMHR 650 Management of

<u>Change</u>

CPPA 403 e-Government

- Implement financial controls to accounting, budgeting, and cost management systems
- Organize self-managing teams to build products in agile and mobile project environments

Certificate Requirements



- 4 required courses
- 2 electives
- Cumulative grade point average (GPA) of 1.67+

To graduate, you must successfully complete, within your official time span, the requirements from the year you registered in the program. For more information, refer to Time Span in our <u>Glossary of Terms</u>. If certificate requirements change and courses are no longer available, you may request <u>Course Substitutions/Directives</u>. You must apply to graduate on <u>my.ryerson</u> (RAMSS) within the appropriate application deadlines (refer to <u>Important Dates</u>). Visit <u>Graduation</u> for details.

Admission Criteria



Recommended:

- Ontario Secondary School Diploma (OSSD) or equivalent
 - With 6 Grade 12 U or M credits (including English)
 - With a minimum average of 60 percent

OR

• Mature student status

If you are an undergraduate student, you should be aware of possible certificate restrictions. Check <u>Curriculum Advising</u> of for complete details.

Awards and Financial Aid + Frequently Asked Questions + Contact Us +



Search



Q Login ▼

Courses and Programs ∨

Enrolment ✓

Students >

Services and Support ➤

Contact Us ∨

Proficiency in French

A Certificate

FULLY ONLINE

French language skills can lead to success in business or as part of a university degree. Hiring bilingual employees is advantageous for businesses for a number of reasons, including being able to meet an increasing demand for a multilingual workforce, reaching international markets easier, offering more holistic customer service, and fostering a more diverse environment. Whether you want to learn French for personal or business reasons, this certificate will help you build the speaking and writing skills that meet your goals and add an in-demand skill to your resume.



Industry and Careers

Knowledge of French can widen your career opportunities in fields where bilingualism may be required or desired.

French language skills can lead to success in business or as part of a university degree. Having a second language can help you get a job interview, offer of employment, promotion or even a pay rise, in addition to having the required skills for the role and being a fit for the organization you're applying to.

Who Should Take This Certificate?

Individuals and professionals that want to become proficient in spoken and written French

What Will You Learn?

In this certificate program, you will learn:

- French grammar and vocabulary, from beginner to advanced level
- French cultural readings and short fictional texts
- A communicative approach, with an emphasis on oral proficiency and on reading, writing, and understanding French

Certificate Requirements

- 6 courses*
- Cumulative grade point average (GPA) 1.67+

*If you enter the certificate at a proficiency level below CFRE 501, you must successfully complete 6 courses. However, If granted advanced placement (through the placement assessment), you only need to complete 4 advanced level courses

Register now **2**

Lower and Intermediate **Level Courses**

CFRE 201 Introductory French II

Next Offered:Spring/Summer 2022

CFRE 301 Intermediate French I

Next Offered:Spring/Summer 2022

CFRE 401 Intermediate French II

Next Offered: Spring/Summer 2022

CFRE 402 French Conversation and Pronunciation

Next Offered:Spring/Summer 2022

Advanced Level Courses

CFRE 501 Speaking and Writing French I

Next Offered:Fall 2022

CFRE 502 Communication and Business French

CFRE 505 French Language and **Culture**

CFRE 507 English-French Translation I

CFRE 508 Intro to 20th C French Literature I

CFRE 509 Franco-Canadian <u>Literature I</u>

CFRE 510 Effective Writing

CFRE 515 Introduction to Business French

CFRE 601 Speaking and Writing French II

Next Offered:Spring/Summer 2022

CFRE 602 Business French in Practice

CFRE 605 Francophone Language and Culture

CFRE 607 English-French Translation II

<u>Literature II</u>

CFRE 608 Intro to 20th C French

CFRE 609 Franco-Canadian Literature II

(CFRE 501 or higher) to fulfill the certificate requirements.

To graduate, you must successfully complete, within your official time span, the requirements from the year you registered in the program. For more information, refer to Time Span in our <u>Glossary of Terms</u>. If certificate requirements change and courses are no longer available, you may request <u>Course Substitutions/Directives</u>. You must apply to graduate on <u>my.ryerson</u> (RAMSS) within the appropriate application deadlines (refer to <u>Important Dates</u>). Visit <u>Graduation</u> for details.

Admission Criteria

Recommended:

- Successful completion of Introductory French I (CFRE 101)
 - With a minimum grade of C+

OR

• Admission by placement assessment

If you are an undergraduate student, you should be aware of possible certificate restrictions. Check <u>Curriculum Advising</u> of for complete details.

Placement Assessment + Awards and Financial Aid + Contact Us +

CFRE 610 Cultural Context of Writing

CFRE 701 French for Today

CFRE 704 Intro to Franco-Canadian Culture I

CFRE 706 The Life and Times of the French Language

CFRE 707 Introduction to French-English Translation

CFRE 801 French and New Media

<u>CFRE 803 French Theatre: 20th C</u> <u>and Contemporary</u>

CFRE 804 Intro to Franco-Canadian Culture II

<u>CFRE 805 French Language</u> <u>Teaching Methodologies</u>

CFRE 903 The Francophone Short Story



Search Q Login -

Courses and Programs ➤

Enrolment ✓

Students >

Services and Support ∨

Contact Us ∨

Register now **()**

Proficiency in Spanish

A Certificate



Develop a wide range of Spanish language skills. Learn to converse and write in one of the world's most widely spoken languages.

Spanish language skills can lead to success in business or as part of a university degree. Whether you want to learn Spanish for personal or business reasons, this certificate will give you the oral and written skills that meet your goals. Our

Not ready to enrol but want to learn more?

Fill out this form and a representative from The Chang School will contact you.

Express interest

program offers opportunities to increase professional qualifications, prepare for travel, and become a more informed citizen in a globalized world.

We offer five levels of language courses, along with a range of advanced and specialized courses. While colleges and other universities offer primarily conversational Spanish, our certificate provides relevant degree-credit courses in small-classroom settings.



- 5 required courses*
- 1 elective
- Cumulative grade point average (GPA) 1.67+

Required Courses

CSPN 201 Introductory Spanish II

Next Offered:Spring/Summer 2022

CSPN 301 Intermediate Spanish I

Next Offered:Fall 2022

CSPN 401 Intermediate Spanish II

Next Offered:Spring/Summer 2022

CSPN 501 Advanced Spanish I

Next Offered:Fall 2022

CSPN 601 Advanced Spanish II

Next Offered:Winter 2023

Electives (select 1)

CSPN 402 Spanish Conversation and Pronunciation

CSPN 510 Spanish for Native Speakers

CSPN 515 Introduction to Business Spanish

CSPN 610 Spanish Composition for Native Speakers

CSPN 702 Communication in Business Spanish

CSPN 704 Latin American Culture

CSPN 705 The Boom in Latin American Literature

CSPN 707 Spanish-English

Translation

CSPN 708 Contemporary Spanish Fiction

CSPN 710 History of the Spanish Language

CSPN 804 Latin American Culture
II

CSPN 810 Cultural Context of Writing

*You may be exempted from completing the required courses if you completed 4 courses at a higher level than CSPN 401. If granted advanced placement (through the placement and assessment interview with the academic coordinator), you only need to complete 4 advanced level courses (CSPN 402 or higher) to fulfill the certificate requirements.

To graduate, you must successfully complete, within your official time span, the requirements from the year you registered in the program. For more information, refer to Time Span in our <u>Glossary of Terms</u>. If certificate requirements change and courses are no longer available, you may request <u>Course Substitutions/Directives</u>. You must apply to graduate on <u>my.ryerson</u> (RAMSS) within the appropriate application deadlines (refer to <u>Important Dates</u>). Visit <u>Graduation</u> for details.

Admission Criteria

_

Recommended:

- Successful completion of Introductory Spanish I (CSPN 101)
 - With a minimum grade of C+

OR

• Admission by placement assessment and interview

If you are an undergraduate student, you should be aware of possible certificate restrictions. Check <u>Curriculum Advising</u> of for complete details.

Awards and Financial Aid



Contact Us





Search Q Login ▼

Courses and Programs ➤

Enrolment ✓

Students >

Services and Support ➤

Contact Us ∨

Project Management

☆ Certificate

FULLY ONLINE

Become a successful project manager.

Project management is a crucial role that ensures projects go according to plan, guiding and overseeing teammates through a project, managing changes and risks to help keep the project on task. You can use our project management courses to meet PMI's educational requirements and prepare for the Certified Associate in Project Management (CAPM)® and Project Management Professional (PMP)® certifications.

5 Tips for Managing Proje...



Get Connected 🗹

Industry and Careers

- Finance
- Technology/IT/Software
- Energy
- Manufacturing
- Construction
- Education
- Government/Not-for-profit
- Healthcare

Who Should Take This Certificate?

- Working professionals who want to transition into project management
- Professionals working in project management who are interested in writing the exam for PMI's Certified Associate in Project Management (CAPM)® or Project Management Professional (PMP)® credential
- Recent degree graduates who want to be more competitive in the marketplace as a new graduate

What Will You Learn?

After completing this certificate, you will be able to:

- Recognize the concepts and basic functions of the project management body of knowledge
- Plan and schedule the project in a group setting using the critical path method (CPM)
- Identify, plan, and manage project risk and quality using analytical tools and methods
- Implement financial controls to accounting, budgeting, and cost management systems

Register now **3**

Required Introductory Course (select 1)

If you plan to pursue the ITM degree, you should take CITM 750 (as CTEC 210 cannot be used towards the ITM degree).

CITM 750 IS Project Management

Next Offered:Spring/Summer 2022

CTEC 210 Fundamentals of Project Management

Next Offered:Fall 2022

Required Core Courses

CKPM 203 Planning and

<u>Scheduling</u>

Next Offered:Fall 2022

CKPM 209 Project Risk and

Quality Management

Next Offered:Fall 2022

CKPM 211 Leadership in Project

Management

Next Offered:Fall 2022

CKPM 212 Project Cost and

Procurement Management

Next Offered:Fall 2022

Project Management Stream (select 3)

Complete 3 the following courses to achieve the Project Management Stream.

CCMN 114 Short Management Reports

Next Offered:Fall 2022

<u>CHSM 308 Project Management -</u> <u>Long Term Care</u>

CINT 905 Conflict Resolution in Community Services

Next Offered:Spring/Summer 2022

CKPM 217 Agile Project

<u>Management</u>

Next Offered:Fall 2022

CMUD 405 Organizational

 Organize self-managing teams to build products in agile and mobile project environments

Certificate Requirements

- 5 required courses
- selected stream*
- 139-hour elective†
 - 2 19.5-hour courses are considered equivalent to 1 39-hour course
- Cumulative grade point average (GPA) of 1.67+

*This certificate offers streams in Project Management; Architecture, Engineering, and Construction; Business and Information Management; and Community and Health Services Management. You must fulfil the requirements of one of these four areas as listed.

†The elective category only applies to the Architecture, Engineering, and Construction; Business and Information Management; and Community and Health Services Management streams. If you are in the Project Management Stream, you do not need to complete this category.

To graduate, you must successfully complete, within your official time span, the requirements from the year you registered in the program. For more information, refer to Time Span in our <u>Glossary of Terms</u>. If certificate requirements change and courses are no longer available, you may request <u>Course Substitutions/Directives</u>. You must apply to graduate on <u>my.ryerson</u> (RAMSS) within the appropriate application deadlines (refer to <u>Important Dates</u>). Visit <u>Graduation</u> for details.

Admission Criteria

Recommended:

- Ontario Secondary School Diploma (OSSD) or equivalent
 - With six Grade 12 U or M credits

OR

• Mature student status with relevant professional experience

Awards and Financial Aid



Frequently Asked Questions



Contact Us



CMMK 405 Organizational

Behaviour

Architecture, Engineering, and Construction Stream



Complete the following courses to achieve the Architecture,
Engineering, and Construction
Stream. In addition to the courses below, select 1 course from the
Elective category.

CKPM 213 Management of Projects in the AEC

Next Offered: Fall 2022

CKPM 214 Project Development and Control

Next Offered: Winter 2023

Business and Information Management Stream



Complete the following courses to achieve the Business and Information Management Stream. In addition to the courses below, select 1 course from the Elective category.

CITM 305 Systems Analysis and Design

Next Offered:Fall 2022

CITM 410 Business Process Design

Next Offered:Fall 2022

Community and Health Services Management Stream (select 2)

Complete 2 of the following courses to achieve the Community and Health Services Management Stream. In addition to the courses

below, select 1 course from the Elective category.

CHSM 301 The Healthcare

<u>Systems</u>

Next Offered:Fall 2022

CHSM 305 The Management

<u>Cycle</u>

Next Offered:Fall 2022

CHSM 307 Principles of Long Term Care Service Del.

Next Offered:Winter 2023

Electives: 39-Hour Courses (select 1)

This category only applies to the Architecture, Engineering, and Construction; Business and Information Management; and Community and Health Services Management streams. If you are in the Project Management Stream, you do not need to complete this category. 2 19.5-hour courses may be completed as the equivalent of 1 39-hour course.

CCMN 114 Short Management Reports

Next Offered:Fall 2022

CDCE 305 Intro to Intercultural
Communication

CDCE 306 Managing Workplace Relationships

CDCE 307 Wking with Culturally
Diverse Clients

CDCE 308 Cross Cultural
Teamwork

CHSM 308 Project Management -Long Term Care

CINT 905 Conflict Resolution in Community Services
Next Offered: Spring/Summer 2022

CKPM 216 Project Management Internship

Next Offered:Fall 2022

CKPM 217 Agile Project

Management

Next Offered:Fall 2022

CKPM 218 Enterprise Project

Management

CKPM 219 Mobile Project

Management

CKPM 220 Rescuing Failing Projects

CKPM 221 From Technical to Managerial

CKSS 210 Lean Six Sigma Contin Improvement

Next Offered: Winter 2023

CKSS 211 Lean Six Sigma Sust Bus Enterprise

CMHR 405 Organizational Behaviour

Electives: 19.5-Hour Courses

This category only applies to the Architecture, Engineering, and Construction; Business and Information Management; and

Community and Health Services
Management streams. If you are in
the Project Management Stream,
you do not need to complete this
category. 2 19.5-hour courses may
be completed as the equivalent of 1
39-hour course.

CKPP 110 Overview of Program

Management

CKPP 120 Overview of Portfolio

Management



Search Q Login -

Courses and Programs ➤

Enrolment ✓

Students >

Services and Support ∨

Contact Us ∨

Project Management for Technical Professionals

A Certificate





This certificate program will prepare professionals with technical backgrounds to become employed in middle-level management (MLM) positions in the field of project management.

It is aimed at engineers, information technology professionals, scientists, environmentalists, and other technical professionals.

Not ready to enrol but want to learn more?

Fill out this form and a representative from The Chang School will contact you.

Express Interest Z

The program focuses on the skills, knowledge, and tools you'll require to be a successful project manager.



- 5 electives*
- Cumulative grade point average (GPA) of 1.67+

*Select 3 courses from Electives – Group A and 2 courses from Electives – Group B

To graduate, you must successfully complete, within your official time span, the requirements from the year you registered in the program. For more information, refer to Time Span in our <u>Glossary of Terms</u>. If certificate requirements change and

Required Course

CTEC 210 Fundamentals of Project Management

Next Offered:Fall 2022

Electives – Group A (select 3)

CKPM 123 Strategic Project Mgt (Tech Prof)

CKPM 203 Planning and

Scheduling

Next Offered:Fall 2022

CKPM 211 Leadership in Project Management

Next Offered:Fall 2022

CKPM 212 Project Cost and

Procurement Management

Next Offered:Fall 2022

CKPM 216 Project Management Internship

Next Offered:Fall 2022

CKPM 217 Agile Project

<u>Management</u>

Next Offered:Fall 2022

CKPM 220 Rescuing Failing

Projects

CKPM 456 Enterprise Project

Mgt (Tech Prof)

Electives – Group B (select 2)

CCMN 114 Short Management Reports

Next Offered: Fall 2022

CCMN 432 Communication in the Engineering Professions

Next Offered:Fall 2022

CDCE 400 Exploring Leadership Skills

CKSS 210 Lean Six Sigma Contin Improvement courses are no longer available, you may request <u>Course Substitutions/Directives</u>. You must apply to graduate on <u>my.ryerson</u> (RAMSS) within the appropriate application deadlines (refer to <u>Important Dates</u>). Visit <u>Graduation</u> for details.

Admission Criteria

_

Required:

Internationally Educated Professionals

- An undergraduate degree and a minimum of two years of professional experience in a related field
- Be an accepted and registered participant in the Gateway for International Professionals' <u>Middle-level Managers (MLM)</u> with <u>Technical Background</u> <u>Bridging Program</u>
- Be a legal resident of Ontario at the time of application, and be eligible to work in Canada
- Have resided in Canada for no more than 10 years
- Be an internationally educated professional in a suitable technical discipline
- Demonstrate English language proficiency through any of Ryerson University's approved English language proficiency test scores

OR

All Other Applicants*

- Ontario Secondary School Diploma (OSSD) or equivalent
 - With 6 Grade 12 U or M credits

Admission Application

An admission application is required for this program. A pre-approval process will be conducted by the program manager, including an orientation/information session, a one-on-one interview, and a language assessment.

For more information, contact <u>mlm@ryerson.ca</u> or 416-979-5000, ext. 2713.

Awards and Financial Aid



Contact Us

_

Next Offered: Winter 2023

CKSS 211 Lean Six Sigma Sust
Bus Enterprise

CMHR 405 Organizational
Behaviour

CMHR 650 Management of Change

^{*}If you do not have these requirements, you will be considered on an individual basis, taking into account your work-related experience and maturity.



Search



Q Login ▼

Courses and Programs ∨

Enrolment ✓

Students >

Services and Support ➤

Contact Us ✓

Psychology

A Certificate

FULLY ONLINE

Dip your toe into the academic world of psychology without making a full commitment to an undergraduate program. In the Certificate in Psychology, you will acquire a strong foundation on which to pursue postsecondary studies. Plus our degreecredit courses can potentially be applied toward an undergraduate degree program.





Industry and Careers

This certificate can lead to career paths in various roles. Here are some examples:

- Child and youth worker
- Clinical coordinator
- · Community worker
- Counsellor
- Gerontologist
- Healthcare administrator
- Psychologist
- · Social worker
- Therapist

Who Should Take This Certificate?

- Students who would like to use the degree-credit courses toward an undergraduate degree in psychology
- Individuals who are looking for an academic introduction to the field of psychology

What Will You Learn?

You will learn the methods, concepts, theories, and applications of psychology. You will examine basic principles of psychology and how to apply them to everyday experiences, learn about statistical concepts, analyze research data, and work closely with a faculty member through an independent study to produce a comprehensive paper in a selected area.

Through your choice of electives, you can concentrate on a specific area. Here are some examples:

- Psychological principles of growth and development
- · Abnormal aspects of human behaviour
- Explanations of personality and its development
- The study of social behaviour

Register now **()**

Required Courses

You may only select one of CPSY 102 or CPSY 105.

CPSY 102 Introduction to

Psychology I

Next Offered:Spring/Summer 2022

CPSY 105 Perspectives in

<u>Psychology</u>

Next Offered:Fall 2022

CPSY 202 Introduction to

Psychology II

Next Offered: Spring/Summer 2022

CPSY 411 Research Methods and

Statistics I

Next Offered:Fall 2022

CPSY 612 Independent Study

Next Offered: Fall 2022

Electives (select 4)

CPSY 214 Psychopharmacology

CPSY 215 Psychology of

Addictions

Next Offered:Spring/Summer 2022

CPSY 300 Psychology and Law

Next Offered: Spring/Summer 2022

CPSY 302 Child Development

Next Offered:Fall 2022

CPSY 304 Psychology of Gender

CPSY 308 Psychology of Thinking

Next Offered: Winter 2023

CPSY 324 Biological Psychology

Next Offered:Spring/Summer 2022

CPSY 325 Psychological Disorders

Next Offered: Fall 2022

CPSY 335 Clinical Psychology

Next Offered:Spring/Summer 2022

CPSY 402 Adult Development

Next Offered: Winter 2023

CPSY 412 Human Brain Circuitry

CPSY 504 Social Psychology

Next Offered:Fall 2022

CPSY 505 Personality Theory

OF OF OOO F CHOOLIGHTY THOOLY

Next Offered:Spring/Summer 2022

• Applications of psychology in organizations

Certificate Requirements

- 4 required courses
- 4 electives
- Cumulative grade point average (GPA) of 1.67+

To graduate, you must successfully complete, within your official time span, the requirements from the year you registered in the program. For more information, refer to Time Span in our <u>Glossary of Terms</u>. If certificate requirements change and courses are no longer available, you may request <u>Course Substitutions/Directives</u>. You must apply to graduate on <u>my.ryerson</u> (RAMSS) within the appropriate application deadlines (refer to <u>Important Dates</u>). Visit <u>Graduation</u> for details.

Admission Criteria

Recommended:

- Ontario Secondary School Diploma (OSSD) or equivalent
 - With 6 Grade 12 U or M credits

OR

• 3 years of professional experience in business, community service, or industry

If you are an undergraduate student, you should be aware of possible certificate restrictions. Check <u>Curriculum Advising</u> of for complete details.

Awards and Financial Aid



Contact Us

.

CPSY 518 Environmental

Psychology

CPSY 602 Developmental

<u>Psychopathology</u>

Next Offered:Fall 2022

CPSY 606 Abnormal Psychology

Next Offered: Spring/Summer 2022

CPSY 607 Drugs and Human Behaviour

Next Offered:Fall 2022

CPSY 614 Psychology of Sport

Next Offered:Fall 2022

CPSY 620 Psychology of Immigration

CPSY 621 Psychology of Human Sexuality

Next Offered:Spring/Summer 2022

CPSY 706 Personal Growth and

Positive Psychology

Next Offered: Fall 2022

CPSY 707 Models of Stress and

<u>Adaptation</u>

Next Offered: Winter 2023

CPSY 802 Death, Dying and

Bereavement

Next Offered: Winter 2023

CPSY 805 Adjustment, Stress

and Coping
Next Offered:Fall 2022

CPSY 806 Behaviour Modification

CPSY 807 Psychology of

Prejudice

CPSY 808 Community

Psychology

Next Offered:Spring/Summer 2023

CPSY 941 Cross Cultural

<u>Psychology</u>



Search Q Login -

Courses and Programs ➤

Enrolment ✓

Students >

Services and Support ➤

Contact Us ∨

Public Administration and Leadership

A Certificate

Governments need employees who know how societies and economies work and who care about delivering quality service and advice. They are also seeking people who are potential leaders and who will guide colleagues by their example and expertise. To meet this demand, The Chang School and Ryerson University's <u>Department of Politics and Public Administration</u> have developed this certificate for individuals who already have a degree from a recognized university.



Industry and Careers

According to Statistics Canada, public sector employment comprises approximately 20 percent of total employment in Canada.

Here are a few possible career categories for graduates of this certificate:

- Community-based organizations that have administrative interactions with the federal, provincial, or municipal governments
- International governmental organizations (like the United Nations [UN], Organization for Economic Co-operation and Development [OECD], World Bank)
- Offices of an elected official (for example, as a political aide)
- Non-governmental organizations (NGO)
- Policy units of a federal, provincial, or municipal government department
- Private sector companies, particularly ones that have extensive interactions with domestic or foreign governments, or that are engaged in public research

Who Should Take This Certificate?

- Individuals who already have an undergraduate degree and wish to deepen their understanding of key aspects of public sector management and leadership
- Individuals looking to pursue graduate studies in public administration
- Individuals working in government or the nonprofit sector who want to build their skills to move up in their career

You can enrol in individual courses to gain specific skills, or take the whole certificate program to develop a greater depth of photography knowledge.

What Will You Learn?

In completing this certificate you will know how to:

- Recognize key issues in today's rapidly evolving public sector
- Participate in the Canadian public policy-making process
- Interpret contemporary social, economic, and environmental policy
- · Annly nublic sector leadershin

Register now **>**

CPPA 211 Public Policy

Next Offered:Fall 2022

Required Courses

CPPA 404 Issues in Public

<u>Administration</u>

Next Offered:Fall 2022

CPPA 501 Public Sector

<u>Leadership</u>

Next Offered: Winter 2023

Electives (select 3)

CPPA 301 Administrative Law

Next Offered: Fall 2022

CPPA 303 Financial Management

Next Offered: Winter 2023

CPPA 335 Theories of

<u>Bureaucracy</u>

Next Offered:Fall 2022

CPPA 401 Collaborative

<u>Governance</u>

CPPA 402 Program Planning and

Evaluation

Next Offered: Winter 2023

CPPA 403 e-Government

CPPA 411 Advanced Public Policy

Next Offered:Fall 2022

CPPA 414 Comparative Public

<u>Policy</u>

Next Offered:Winter 2023

CPPA 425 Intergovernmental

Relations

Next Offered:Fall 2022

CPPA 490 Public Administration

Themes

- Apply public occion louder of life
- Analyze the statutory and regulatory basis of Canadian public administration
- Rate and evaluate programs
- Work within budgetary processes
- · Design effective accountability
- Rank the types of partnerships between government and other agents in the delivery of public goods
- Assess the quality of intergovernmental affairs
- Recognize and select the most appropriate instruments for policy and program delivery

Certificate Requirements



- 3 electives
- Cumulative grade point average (GPA) of 1.67+

To graduate, you must successfully complete, within your official time span, the requirements from the year you registered in the program. For more information, refer to Time Span in our <u>Glossary of Terms</u>. If certificate requirements change and courses are no longer available, you may request <u>Course Substitutions/Directives</u>. You must apply to graduate on <u>my.ryerson</u> (RAMSS) within the appropriate application deadlines (refer to <u>Important Dates</u>). Visit <u>Graduation</u> for details.

Admission Criteria

Required:

• An undergraduate degree

Note: If you have no background in politics or public administration and/or no experience in the public sector, you may be required to complete a preparatory course (usually either <u>CPPA 102</u> or <u>CPPA 120</u>) prior to admission in the certificate.

Admission Application

To apply for approval to register in the Certificate in Public Administration and Leadership, please complete and submit this online <u>program pre-approval form</u> . Once you have completed and submitted this online form, a representative from The Chang School will contact you to provide next steps.

Note: You will also be required to submit academic transcripts to Dr. Patrice Dutil, Academic Coordinator. Instructions for submitting your transcripts are in the Education section of the pre-approval form.

If you are an undergraduate student, you should be aware of possible certificate restrictions. Check <u>Curriculum Advising</u> of for complete details.

Awards and Financial Aid



Contact Us





Search Q Login -

Courses and Programs ➤

Enrolment ∨

Students >

Services and Support ➤

Contact Us ∨

Public Relations

A Certificate

FULLY ONLINE

The Chang School Certificate in Public Relations



Not ready to enrol but

The Chang School contact you.

Attend a free information session on

April 5, or have a representative from

want to learn more?

If a challenging career consulting with professional businesses, community organizations, or government agencies sounds appealing, then public relations may be for you.

As a public relations practitioner, you will work with a variety of leaders and other professionals to:

- protect organizational reputation
- manage issues and crises
- conduct media relations
- develop internal and external communication programs
- develop and manage communication budgets
- resolve issues and challenges related to crisis communication and ethics
- write supporting communication materials such as plans, reports, news releases, business presentations, newsletters, website content, and much more

Recognized by the International Association of Business Communicators (IABC), our fully online Certificate in Public Relations provides a curriculum that will hone your practical, analytical, and theoretical skills to prepare you for a career in public relations.

Online learning during the COVID-19 pandemic

We offer a full range of online courses for the Certificate in Public Relations, which provide high-quality, professional-level training. Our courses are developed and taught by industry professionals with the support of online learning specialists at The Chang School. (**Note:** Our online courses are not "virtualized" classroom courses.)

This program offers the following benefits:

• Enrol right away - open admissions with no application required

Register now **3**

Required Courses

CDPR 100 Public Relations
Principles

CDPR 104 Planning Programming and Budgeting

CDPR 105 Research and Program
Evaluation

CDPR 107 Public Relations
Project

CDPR 111 Writing for Public Relations

Electives: 39-Hour Courses (select 3)

Two 19.5 hour courses may be completed as the equivalent of one 39 hour course.

CDPR 106 Media Relations

CDPR 108 Social Media in Public Relations

CDPR 113 Internal
Communications Management

Electives: 19.5-Hour Courses

2 19.5-hour courses may be completed as the equivalent of 1

CDPR 103 Advanced PR Writing

CDPR 110 Reputation

Management

CDPR 116 Public Relations Ethics

CDPR 117 Crisis Communication

- Complete from wherever you are through a fully online format
- · Take Ryerson degree-credit courses
- Prepare for recognition by leading professional associations
- Finish your certificate faster through our intensive schedule option
- Apply for merit-based awards



- Five required courses
- Three 39-hour electives
 - Two 19.5-hour courses are considered equivalent to one 39-hour course
- Cumulative grade point average (GPA) of 1.67+

To graduate, you must successfully complete, within your official time span, the requirements from the year you registered in the program. For more information, refer to Time Span in our <u>Glossary of Terms</u>. If certificate requirements change and courses are no longer available, you may request <u>Course Substitutions/Directives</u>. You must apply to graduate on <u>my.ryerson</u> (RAMSS) within the appropriate application deadlines (refer to <u>Important Dates</u>). Visit <u>Graduation</u> for details.

Admission Criteria —

Recommended:

• An undergraduate degree

OR

• A 3-year community college diploma

OR

 Mature student status with a high school diploma and 4 years of progressive work experience in public relations practice, or in a business, professional, or technical field

Professional Development	+
Awards and Financial Aid	+
Contact Us	+



Search Q Login -

Courses and Programs ➤

Enrolment ➤ Stud

Students

✓ Services and Support

✓

Contact Us ∨

Publishing

A Certificate

FULLY ONLINE

Meet Anna: Chang School Learner, Certificate in Publishing



Publishing is all about access: access to industry professionals, industry knowledge, and job opportunities. Our Certificate in Publishing is not only the largest professional training program for the publishing industry in Canada, but it opens doors for our continuous learners to enter the industry and provides them the tools they need to navigate and succeed. Our graduates go on to thrive in book publishing and related sectors, like corporate, non-profit, and government communications.

Get Connected 2

Industry and Careers

This certificate could lead to a career in:

- Book publishing: including trade, educational, scholarly, and reference publishing
- Literary magazine and journal publishing
- Publishing in corporate, non-profit, and government communications

In roles such as:

- Business (acquisitions, contracts, rights)
- Editorial
- Sales
- Marketing and publicity
- Production and design

Who Should Take This Certificate?

This certificate program will teach you the skills and knowledge you need to succeed in the publishing industry.

You may be interested if you:

- Want to enter the publishing industry and are looking for a quick path to careerspecific training
- · Work in the publishing industry or in areas where publishing skills are required
- Are considering a career change

Register now **2**

Required Courses

CDPB 100 Publishing Overview:

Trade

Next Offered:Fall 2022

CDPB 200 Publishing Overview:
Education

Next Offered:Fall 2022

Electives: 39-Hour Courses (select 6)

2 19.5-hour courses may be completed as the equivalent of 1 39-hour course.

CDPB 101 The Business of Book
Publishing

Next Offered: Winter 2023

CDPB 102 Copy and Stylistic Editing I

Next Offered:Fall 2022

CDPB 103 Production for Books,

Journals, and Reports

Next Offered:Fall 2022

CDPB 104 Introduction to Book

Design

Next Offered:Fall 2022

CDPB 105 Sales and Marketing

for Book Publishers

Next Offered:Fall 2022

CDPB 110 Publicity for Book

Publishers

Next Offered:Fall 2022

CDPB 201 Literary Rights

Management

Next Offered:Fall 2022

CDPB 202 Substantive and

Stylistic Editing

Next Offered:Fall 2022

CDPB 212 Visual Skills for

Publishing

Next Offered:Fall 2022

CDPB 222 Copy and Stylistic

Editing II

Next Offered:Fall 2022

CDPB 312 Practical Grammar and

Punctuation

What Will You Learn?

You can take a full range of online courses covering the latest in print and digital publishing, including overviews of industry sectors and skills-based training in editing, production and design, sales, marketing and publicity, literary rights and the business of book publishing, and digital publishing.

This certificate program is fully online, which gives you the flexibility to take classes anytime, anywhere, and at your own pace.

Plus, enrolled learners have access to job postings and paid internship opportunities for a year after taking their last course in the program.

Certificate Requirements

- Two required courses
- Six 39-hour electives
 - Two 19.5-hour courses are considered equivalent to 1 39-hour course
- Cumulative grade point average (GPA) of 1.67+

To graduate, you must successfully complete, within your official time span, the requirements from the year you registered in the program. For more information, refer to Time Span in our <u>Glossary of Terms</u>. If certificate requirements change and courses are no longer available, you may request <u>Course Substitutions/Directives</u>. You must apply to graduate on <u>my.ryerson</u> (RAMSS) within the appropriate application deadlines (refer to <u>Important Dates</u>). Visit <u>Graduation</u> for details.

Admission Criteria

Recommended:

• Undergraduate degree

OR

• Mature student status with related professional experience and education

If you are an undergraduate student in your final year, please contact the academic coordinators at publish@ryerson.ca.

Awards and Financial Aid



Frequently Asked Questions



Contact Us

Next Offered:Fall 2022

CDPB 803 Digital Publishing and Production

Next Offered:Fall 2022

Electives: 19.5-Hour Courses

2 19.5-hour courses may be completed as the equivalent of 1 39-hour course.

CDPB 300 Children's Classics in the 21st C

Next Offered:Fall 2022

CDPB 301 Publishing for Children

Next Offered:Fall 2022

CDPB 302 Government Reports

Next Offered: Winter 2023

CDPB 304 Scholarly and

Reference Publishing
Next Offered:Spring/Summer 2023

CDPB 306 Trade Books: Fiction

Next Offered:Fall 2022

CDPB 309 Editing Books for

Children and Teens

Next Offered:Fall 2022

CDPB 310 Proofreading for

Books, Journals, and Reports

Next Offered:Fall 2022

CDPB 311 Indexing for Books,

Journals, and Reports

Next Offered:Fall 2022

CDPB 313 Mktg Books for

Children and Teens

Next Offered:Fall 2022

CDPB 314 Legal Publishing

Next Offered:Spring/Summer 2023

CDPB 315 Editing Recipes and

Cookbooks

Next Offered:Fall 2022



Search Q Login -

Courses and Programs ➤

Enrolment St

Students >

Services and Support ∨

Contact Us ∨

Register now **()**

Retail Management

A Certificate

FULLY ONLINE

Hot Careers Spotlight: Retail Management



Kickstart or advance your career in retail – the largest employment sector in Canada. Operating a successful retail business is becoming a greater challenge than ever before. As a retail professional, you must apply your skills and knowledge to analyze changing demographics, build relationships with customers as well as suppliers, and oversee the integration of a global supply chain, in addition to identifying new trends. Our Certificate in Retail Management is tailored to the unique and growing needs of the retail industry, including strategic thinking, advanced communication skills, organizational development, and market planning.

Get Connected 2

Industry and Careers

This certificate can lead to career paths in roles such as:

- Allocation analysis
- Category management
- Customer relations management
- Ecommerce
- Merchandise planning
- · Pricing analysis
- · Retail buying
- Store operations
- Visual merchandising

Who Should Take This Certificate?

- Retail employees seeking professional development or career advancement
- Working professionals seeking a career change
- Canadian newcomers seeking entry in domestic retail organizations
- Managers of small retail operations seeking enhanced entrepreneurial skills
- High school graduates who want to eventually pursue the <u>BComm degree in Retail</u> <u>Management</u>

What Will You Learn?

Required Courses

CRMG 200 Intro to Retail and

Next Offered:Fall 2022

CRMG 302 Retail Consumer

Services Management

Next Offered: Spring/Summer 2023

CENT 500 New Venture Startup
Next Offered:Fall 2022

CGMS 200 Introduction to Global

<u>Management</u>

<u>Insight</u>

Next Offered:Fall 2022

Electives (select 4)

CMHR 405 Organizational

<u>Behaviour</u>

CMHR 523 Human Resources

<u>Management</u>

CMKT 100 Principles of

<u>Marketing</u>

Next Offered:Fall 2022

CRMG 301 Retail Operations

Management

CRMG 303 Managing the Retail

Workplace

Next Offered:Spring/Summer 2023

CRMG 400 Merchandise Buying

and Planning I

Next Offered:Winter 2023

CRMG 434 Intro to Logistics and

Supply Chain Mgmt

Next Offered:Winter 2023

CRMG 452 Visual Merchandising

and Space Planning

Next Offered:Fall 2022

CRMG 806 Retailer Perspectives

on Category Management

CRMG 902 Franchising

Next Offered: Winter 2023

CRMG 907 Relationship

Marketing

Next Offered:Spring/Summer 2023

CRMG 909 Merchandise Buying and Planning II

Arter completing this certificate, you will able to.

- Assess key profit drivers and broad marketing/operational strategies
- Understand consumer behaviour and what defines brand value
- Apply customer relationship management (CRM) tools and best practices
- Analyze productivity issues from multiple perspectives
- Develop skills in assessing costs and profitability tied to:
 - inventory planning
 - management
 - promotions
 - consumer insights

Certificate Requirements

- 2 required courses*
- 4 electives
- Cumulative grade point average (GPA) of 1.67+

*If you demonstrate the requisite combination of education and work experience, you may apply to the academic coordinator to waive CRMG 200. If granted a waiver, you will need to complete 5 electives (instead of 4) to fulfill the certificate requirements.

To graduate, you must successfully complete, within your official time span, the requirements from the year you registered in the program. For more information, refer to Time Span in our <u>Glossary of Terms</u>. If certificate requirements change and courses are no longer available, you may request <u>Course Substitutions/Directives</u>. You must apply to graduate on <u>my.ryerson</u> (RAMSS) within the appropriate application deadlines (refer to <u>Important Dates</u>). Visit <u>Graduation</u> for details.

Admission Criteria

Recommended:

- Ontario Secondary School Diploma (OSSD) or equivalent
 - With 6 Grade 12 U or M credits

AND one of the following:

- Mature student status
- A recent undergraduate degree or college diploma
- A minimum of 1 year related professional experience in the retail industry

If you are an undergraduate student, you should be aware of possible certificate restrictions. Check <u>Curriculum Advising</u> of for complete details.

Professional Development + Awards and Financial Aid + Contact Us +

CRMG 910 Omni-Channel

Retailing

Next Offered: Winter 2023

CRMG 911 Retail Sales

Management

Next Offered:Winter 2023

CRMG 916 Managing B2B

Channels

CRMG 919 Visualizing Data for

Decisions

Next Offered:Spring/Summer 2023



Search Q Login -

Courses and Programs ➤

Enrolment ∨

Students >

Services and Support ➤

Contact Us ∨

Robotics and Embedded Systems



FULLY ONLINE

Industrial robotics, personal and service robots, and factory automation systems are becoming increasingly important to the economy as automation expands across the private and public sectors, which means there are plenty of career opportunities in this field.

This certificate will help you advance or change your career while developing the technical knowledge and skills to provide hands-on innovation through robotics and embedded systems products and devices.

Get Connected ☑

Real World Expertise - Rob...



Industry and Careers

According to Global Affairs Canada, the robotics ecosystem in Canada is far-reaching and has applications in the following industries:

- Aerospace
- Automotive
- · Defense and security
- Electronics
- Healthcare

This certificate can lead to career paths in roles such as:

- Automation engineer
- Communications and networking professional
- Control systems technologist
- C programming software specialist
- Embedded systems software device development professional
- Human-computer interaction specialist
- Machine-human interaction specialist
- Roboticists
- Robotics engineers
- Technologist

Who Should Take This Certificate?

This certificate is intended for professionals with experience with computer programming
– in any language – and/or who have hands-on technical industry experience.

Individuals who are seeking to enter the following professional fields:

- Consumer electronics
- Green technology products

Register now •

Required Courses CKRE 110 Digital Logic and Hardware Architecture CKRE 120 Programming Robotics <u>Systems</u> Next Offered: Spring/Summer 2023 **CKRE 130 Embedded Systems Hardware Architecture and Implementation CKRE 140 Real-Time Embedded Systems Programming** Next Offered: Fall 2022 **CKRE 150 Emerging Issues in Robotics and Embedded Systems** Next Offered:Fall 2022 **CSCI 130 Mobile Robotic Devices Embedded Systems** Next Offered: Fall 2022

- Robotics
- Manufacturing automated machinery
- Medical Devices
- Telecommunications products

What Will You Learn?

After completing this certificate, you will able to:

- Build mobile robotic devices and program embedded systems for product and automated device development
- Use your newly gained skills in microprocessor-based control systems, systems-on-chip (SoC) design, and device software development
- Program mobile robotic devices
- Implement systems design in mobile robots and robotic devices

Tools in use include the following:

- C, C++, or Python
- Customized robotics kits

Certificate Requirements



- 6 required courses
- Cumulative grade point average (GPA) of 1.67+

To graduate, you must successfully complete, within your official time span, the requirements from the year you registered in the program. For more information, refer to Time Span in our <u>Glossary of Terms</u>. If certificate requirements change and courses are no longer available, you may request <u>Course Substitutions/Directives</u>. You must apply to graduate on <u>my.ryerson</u> (RAMSS) within the appropriate application deadlines (refer to <u>Important Dates</u>). Visit <u>Graduation</u> for details.

Admission Criteria



Recommended:

• Mature student status with evidence of relevant college or university level coursework, or equivalent

OR

• Mature student status relevant industrial or professional experience in business

Awards and Financial Aid



Frequently Asked Questions



Contact Us



Page	Instance(s) Removed
*Sidebar Menu for Teaching at The Chang School	yes
2020/21 Photography Exhibition	yes
A Fresh Start at a University Degree Thanks to Spanning the	yes
Aboriginal Foundations Program	yes
Academic Bridging Courses (ABCs)	yes
Academic Policies, Procedures, and Regulations	yes
Academic and Career Advising	yes
Accessibility	yes
Alumni	yes
Arts, Music, and Culture	yes
Build On Your Community Services Career	yes
Bursaries	yes
CECL FAQ	yes
CESAR: Continuing Education Students' Association of Ryerson	yes
Cancellations	yes
Cannabis Essentials	yes
Career Professionals	yes
Certificate Registration	yes
Chang+ Mobile App Terms of Service and Privacy Policy	yes
College Transfer Students	yes
Contact Us	yes
Conversational Connections	yes
Corporate Education	yes
Course Outlines at Ryerson University	yes
Course and Tech Info Your Term Start-up Checklist	yes
Courses Available in Brampton	yes
Early Childhood Studies	yes
Enrol Online	yes
Enrolment FAQ	yes
Enrolment Policies	yes
Examination Protocols	yes
Exams for Online Courses	yes
Experiential Learning: Community Health and Engagement	yes
Fast Track Your Degree	yes
Fast Tracks and Intensives	yes
Fees	yes
Fees & Financial FAQ	yes
Fees & Financial FAQ	yes
Financial Basics Workshop	yes
Five Tips to Get Ahead Post Pandemic The CSCH	yes
For Social Services Employers	yes
Foundations in Data Science Bootcamp	yes
Gateway for International Professionals	yes

Graene Economy Bridging Program yes High School Graduates How experiential learning led to a more fulfilling career How to Register for a Certificate Program yes Important Dates for Fall 2019 Important Dates for Fall 2019 Important Dates for Spring 2021 Important Dates for Spring 2021 Important Dates for Spring/Summer 2019 Important Dates for Spring/Summer 2020 Important Dates for Spring/Summer 2020 Important Dates for Spring/Summer 2020 Important Dates for Winter 2020 Important Dates for Winter 2021 Important Dates for Winter 2021 Important Dates for Winter 2021 International Accounting and Finance Professionals (IAFP) International Midwifery Pre-registration Program (IMPP) yes International Students Internationally Educated Social Work Professionals (IESW) yes Job Postings for Instructors Laddering Programs: Flexible Pathways to a Bachelor of Comme yes Letters of Permission wes Middle-level Managers (MLM) Missed Mid-Term and Final Exam Procedure yes New Students New Students New In 2021/2022 yes Non-Tuition Related Fees and Service Charges Not Ready to Apply to Undergrad? yes Open Education Resource (OER) Grant for CECLs yes Professional Designations and Accreditation yes Registration Policies Regust of Registration Policies Regust of Registration Policies Regust of Registratio	Grade Appeals	yes
Green Economy Bridging Program Ves High School Graduates How experiential learning led to a more fulfilling career How to Register for a Certificate Program Ves Important Dates for Fall 2019 Wes Important Dates for Fall 2020 Important Dates for Spring 2021 Important Dates for Spring 2021 Important Dates for Spring/Summer 2019 Important Dates for Spring/Summer 2019 Important Dates for Spring/Summer 2020 Ves Important Dates for Winter 2020 Important Dates for Winter 2020 Important Dates for Winter 2020 Important Dates for Winter 2021 International Accounting and Finance Professionals (IAFP) International Accounting and Finance Professionals (IAFP) International Students Internationally Educated Social Work Professionals (IESW) Ves International Students Ves Internation		ĺ
High School Graduates How experiential learning led to a more fulfilling career How to Register for a Certificate Program yes Important Dates for Fall 2019 Important Dates for Fall 2020 Important Dates for Spring 2021 Important Dates for Spring 2021 Important Dates for Spring/Summer 2019 Important Dates for Spring/Summer 2019 Important Dates for Spring/Summer 2020 Important Dates for Spring/Summer 2020 Important Dates for Winter 2020 Important Dates for Winter 2021 Important Dates for Winter 2021 Important Dates for Winter 2021 International Accounting and Finance Professionals (IAFP) International Students International It general Students International Programs: Flexible Pathways to a Bachelor of Comme Letters of Permission Merit-Based Awards for Community Engagement Programs Merit-Based Awards for Community Engagement Programs for Special Programs for Sp		ĺ
How to Register for a Certificate Program How to Register for a Certificate Program Wes Important Dates for Fall 2019 Important Dates for Fall 2020 Important Dates for Spring 2021 Important Dates for Spring 2021 Important Dates for Spring/Summer 2019 Important Dates for Spring/Summer 2020 Important Dates for Winter 2021 Important Dates for Winter 2021 Important Dates for Winter 2021 International Accounting and Finance Professionals (IAFP) International Accounting and Finance Professionals (IAFP) International Midwifery Pre-registration Program (IMPP) International Students International Students International Students International Students International Students Internationally Educated Social Work Professionals (IESW) Job Postings for Instructors Laddering Programs: Flexible Pathways to a Bachelor of Comme Yes Letters of Permission Werit-Based Awards for Community Engagement Programs Merit-Based Awards for Community Engagement Programs Wes Middle-level Managers (MLM) Wes Missed Mid-Term and Final Exam Procedure New Students New in 2021/2022 Yes Non-Tuitton Related Fees and Service Charges New International Resource (OER) Grant for CECLs Open Educational Resource (OER) Grant for CECLs Open Educational Resources (OER) Pathways to Part-Time Degrees Professional Designations and Accreditation Programs for 50+ and Community Engagement Programs for 50+ and Communi		Í
How to Register for a Certificate Program Important Dates for Fall 2019 Important Dates for Fall 2020 Important Dates for Spring 2021 Important Dates for Spring 2021 Important Dates for Spring 2021 Important Dates for Spring/Summer 2019 Important Dates for Winter 2020 Important Dates for Winter 2020 Important Dates for Winter 2021 Important Dates for Winter 2021 International Accounting and Finance Professionals (IAFP) International Accounting and Finance Professionals (IAFP) International Students International Forgrams: Flexible Pathways to a Bachelor of Comme International Students Inter		<u> </u>
Important Dates for Fall 2019 Important Dates for Fall 2020 Important Dates for Spring 2021 Important Dates for Spring 2021 Important Dates for Spring/Summer 2019 Important Dates for Spring/Summer 2020 Important Dates for Spring/Summer 2020 Important Dates for Winter 2020 Important Dates for Winter 2020 Important Dates for Winter 2021 Important Dates for Winter 2021 International Accounting and Finance Professionals (IAFP) International Accounting and Finance Professionals (IAFP) International Students International Programs: Flexible Pathways to a Bachelor of Comme International Programs: Flexible Pathways to a Bachelor of Comme International Programs: Flexible Pathways to a Bachelor of Comme International Programs: Flexible Pathways to a Bachelor of Comme International Programs: Flexible Pathways to a Bachelor of Comme International Programs: Flexible Pathways to a Bachelor of Comme International Programs: Flexible Pathways to a Bachelor of Comme International Programs: Flexible Pathways to a Bachelor of Comme International Programs: International Programs International Programs International Programs: Internation		<u> </u>
Important Dates for Fall 2020 Important Dates for Spring 2021 Important Dates for Spring 2021 Important Dates for Spring/Summer 2019 Important Dates for Spring/Summer 2020 Important Dates for Spring/Summer 2020 Important Dates for Winter 2020 Important Dates for Winter 2020 Important Dates for Winter 2021 International Accounting and Finance Professionals (IAFP) International Accounting and Finance Professionals (IAFP) International Midwifery Pre-registration Program (IMPP) International Students International February Students International February Students International Students Internat		Í
Important Dates for Spring 2021 Important Dates for Spring/Summer 2019 Important Dates for Spring/Summer 2020 Important Dates for Spring/Summer 2020 Important Dates for Winter 2020 Important Dates for Winter 2021 Important Dates for Winter 2021 International Accounting and Finance Professionals (IAFP) International Midwifery Pre-registration Program (IMPP) International Students International Programs Flexible Pathways to a Bachelor of Comme Ves Laddering Programs: Flexible Pathways to a Bachelor of Comme Ves Letters of Permission Ves Merit-Based Awards for Community Engagement Programs Ves Middle-level Managers (MLM) Wesed Mid-Term and Final Exam Procedure Ves New Students New Students New In 2021/2022 Ves Non-Tuition Related Fees and Service Charges Not Ready to Apply to Undergrad? Ves Not Ready to Apply to Undergrad? Online Learning During COVID-19 Open Education Resource (OER) Grant for CECLs Open Educational Resources (OER) Pathways to Part-Time Degrees Ves Professional Designations and Accreditation Professional Designation	·	Í
Important Dates for Spring/Summer 2019 Important Dates for Spring/Summer 2020 Important Dates for Winter 2020 Important Dates for Winter 2021 Important Dates for Winter 2021 International Accounting and Finance Professionals (IAFP) International Accounting and Finance Professionals (IAFP) International Midwifery Pre-registration Program (IMPP) International Students International Programs (IESW) International Programs (IESW) International Students Interna		
Important Dates for Spring/Summer 2020 Important Dates for Winter 2020 Important Dates for Winter 2021 Important Dates for Winter 2021 Important Dates for Winter 2021 International Accounting and Finance Professionals (IAFP) International Midwifery Pre-registration Program (IMPP) International Students Internationally Educated Social Work Professionals (IESW) International Students Internationally Educated Social Work Professionals (IESW) Internationally Educated Social Work Professionals (IESW) International Students Internationally Educated Social Work Professionals (IESW) International Internatio		
Important Dates for Winter 2020 Important Dates for Winter 2021 International Accounting and Finance Professionals (IAFP) International Midwifery Pre-registration Program (IMPP) International Students Internationally Educated Social Work Professionals (IESW) International Programs International Professional Professional Student International Professional Professional Development for CECLs International Professional Professional Professional Development for CECLs International Professional Professiona	· •	
Important Dates for Winter 2021 International Accounting and Finance Professionals (IAFP) International Midwifery Pre-registration Program (IMPP) International Students Internationally Educated Social Work Professionals (IESW) International Programs International International Programs International International International Programs International Programs International International Programs International International Programs International International International Programs International International International Programs International International International Programs International Inte		
International Accounting and Finance Professionals (IAFP) International Midwifery Pre-registration Program (IMPP) International Students International Internat		
International Midwifery Pre-registration Program (IMPP) International Students International Feather Professional Student International Students International		
International Students Internationally Educated Social Work Professionals (IESW) International Students International Students International Floating Professionals (IESW) International Floating Professional Professionals (IESW) International Floating Professional Service Community Engagement Programs International Floating Professional Professional Designations and Accreditation International Floating Professional Designations and Accreditation International Floating Professional Development for CECLs International Floating Professional Professional Development for CECLs International Floating Professional Professional Development for CECLs International Floating Professional Profession		
International Students International Students International Students International Students Internationally Educated Social Work Professionals (IESW) International From International Exams Procedure International Exams Programs International Exams		
International Students Internationally Educated Social Work Professionals (IESW) Job Postings for Instructors Laddering Programs: Flexible Pathways to a Bachelor of Comme Letters of Permission Wes Merit-Based Awards for Community Engagement Programs Wes Middle-level Managers (MLM) Missed Mid-Term and Final Exam Procedure New Students New Students New In 2021/2022 Yes Non-Tuition Related Fees and Service Charges Not Ready to Apply to Undergrad? Online Learning During COVID-19 Open Educational Resource (OER) Pathways to Part-Time Degrees Policies Professional Designations and Accreditation Professional Development for CECLs Programs for 50+ and Community Engagement Yes Reguest or Retrieve Your Ryerson Student Number Ryes Reguest or Retrieve Your Ryerson Student Number Ryes Reguest or Retrieve Your Ryerson Student Number Ryes Reguest or Retrieve Your Ryerson Student Number		
Internationally Educated Social Work Professionals (IESW) Job Postings for Instructors Laddering Programs: Flexible Pathways to a Bachelor of Comme Letters of Permission Wes Merit-Based Awards for Community Engagement Programs Wes Middle-level Managers (MLM) Wes Missed Mid-Term and Final Exam Procedure New Students New in 2021/2022 Yes Non-Tuition Related Fees and Service Charges Not Ready to Apply to Undergrad? Ves Open Educational Resource (OER) Grant for CECLs Open Educational Resources (OER) Pathways to Part-Time Degrees Policies Professional Designations and Accreditation Professional Development for CECLs Programs for 50+ and Community Engagement Yes Refunds Reguest or Retrieve Your Ryerson Student Number Ryes Ryerson Student OneCard		
Job Postings for Instructors Laddering Programs: Flexible Pathways to a Bachelor of Comme Letters of Permission Merit-Based Awards for Community Engagement Programs Merit-Based Awards for Community Engagement Programs Missed Mid-Term and Final Exam Procedure Messed Mid-Term and Final Exam Procedure New Students New Students New In 2021/2022 Non-Tuition Related Fees and Service Charges Not Ready to Apply to Undergrad? Online Learning During COVID-19 Open Education Resource (OER) Grant for CECLs Open Educational Resources (OER) Pathways to Part-Time Degrees Professional Designations and Accreditation Professional Development for CECLs Programs for 50+ and Community Engagement RU Web to Lead RU Jogin help links Registration Policies Registration Policies Request or Retrieve Your Ryerson Student Number Ryerson Student OneCard Ves Registration Policieda Registration Policies		
Laddering Programs: Flexible Pathways to a Bachelor of Comme Letters of Permission Merit-Based Awards for Community Engagement Programs Merit-Based Awards for Community Engagement Programs Middle-level Managers (MLM) Missed Mid-Term and Final Exam Procedure New Students New Students New In 2021/2022 Yes Non-Tuition Related Fees and Service Charges Not Ready to Apply to Undergrad? Open Education Resource (OER) Grant for CECLs Open Educational Resources (OER) Pathways to Part-Time Degrees Policies Professional Designations and Accreditation Professional Development for CECLs Programs for 50+ and Community Engagement RU Web to Lead RU login help links Registration Policies Registration Policies Request or Retrieve Your Ryerson Student Number Ryes Ryerson Student OneCard	Ť Ž	
Letters of Permission Merit-Based Awards for Community Engagement Programs Middle-level Managers (MLM) Missed Mid-Term and Final Exam Procedure New Students New Students New in 2021/2022 Non-Tuition Related Fees and Service Charges Not Ready to Apply to Undergrad? Online Learning During COVID-19 Open Education Resource (OER) Grant for CECLs Open Educational Resources (OER) Pathways to Part-Time Degrees Policies Professional Designations and Accreditation Professional Development for CECLs Programs for 50+ and Community Engagement RU Web to Lead RU Ugin help links Registration Policies Request or Retrieve Your Ryerson Student Number Ryes Regressional Student OneCard		
Merit-Based Awards for Community Engagement Programs Middle-level Managers (MLM) Missed Mid-Term and Final Exam Procedure New Students New Students New in 2021/2022 Yes Non-Tuition Related Fees and Service Charges Not Ready to Apply to Undergrad? Online Learning During COVID-19 Open Education Resource (OER) Grant for CECLs Open Educational Resources (OER) Pathways to Part-Time Degrees Policies Professional Designations and Accreditation Professional Development for CECLs Programs for 50+ and Community Engagement RU Web to Lead RU Uogin help links Registration Policies Request or Retrieve Your Ryerson Student Number Ryes Ryes Ryes Ryes Ryes Ryes Registration OneCard		
Middle-level Managers (MLM) Missed Mid-Term and Final Exam Procedure New Students New In 2021/2022 Non-Tuition Related Fees and Service Charges Not Ready to Apply to Undergrad? Online Learning During COVID-19 Open Education Resource (OER) Grant for CECLs Open Educational Resources (OER) Pathways to Part-Time Degrees Professional Designations and Accreditation Professional Development for CECLs Programs for 50+ and Community Engagement RU Web to Lead RU Uogin help links Refunds Registration Policies Reguest or Retrieve Your Ryerson Student Number Ryes Ryes Regressional Union of Student Number Russional Student OneCard Resistration Policies Registration Policies Resistration Policier Ryes Regressional Student OneCard		
Missed Mid-Term and Final Exam Procedure New Students New in 2021/2022 Non-Tuition Related Fees and Service Charges Not Ready to Apply to Undergrad? Online Learning During COVID-19 Open Education Resource (OER) Grant for CECLs Open Educational Resources (OER) Pathways to Part-Time Degrees Policies Professional Designations and Accreditation Professional Development for CECLs Programs for 50+ and Community Engagement RU Web to Lead RU login help links Refunds Registration Policies Reguest or Retrieve Your Ryerson Student Number Ryes Ryes Ryes Regressional Union of Cecan Student Number Reserved Reserved Registration Policies Reserved		
New Students yes New in 2021/2022 yes Non-Tuition Related Fees and Service Charges yes Not Ready to Apply to Undergrad? yes Online Learning During COVID-19 no Open Education Resource (OER) Grant for CECLs yes Open Educational Resources (OER) yes Pathways to Part-Time Degrees yes Policies yes Professional Designations and Accreditation yes Programs for 50+ and Community Engagement yes RU Web to Lead yes RU login help links yes Refunds yes Registration Policies yes Request or Retrieve Your Ryerson Student Number yes Ryerson Student OneCard yes		
New in 2021/2022 Non-Tuition Related Fees and Service Charges Not Ready to Apply to Undergrad? Online Learning During COVID-19 Open Education Resource (OER) Grant for CECLs Open Educational Resources (OER) Pathways to Part-Time Degrees Policies Professional Designations and Accreditation Professional Development for CECLs Programs for 50+ and Community Engagement RU Web to Lead RU Usin help links Registration Policies Reguest or Retrieve Your Ryerson Student Number Ryes Ryes Ryes Ryes Ryes Regreson Student OneCard Yes Resistration Policare RU Wes Registration Folicare Russ Registration Folicare Russ Registration Folicare Registration Folicare Resistration Folicare Resistra		
Non-Tuition Related Fees and Service Charges Not Ready to Apply to Undergrad? Online Learning During COVID-19 Open Education Resource (OER) Grant for CECLs Open Educational Resources (OER) Pathways to Part-Time Degrees Policies Professional Designations and Accreditation Professional Development for CECLs Programs for 50+ and Community Engagement RU Web to Lead RU login help links Refunds Registration Policies Request or Retrieve Your Ryerson Student Number Ryes Registration OneCard Yes Resistration Policard Yes Registration OneCard		
Not Ready to Apply to Undergrad? Online Learning During COVID-19 Open Education Resource (OER) Grant for CECLs Open Educational Resources (OER) Pathways to Part-Time Degrees Policies Professional Designations and Accreditation Professional Development for CECLs Programs for 50+ and Community Engagement RU Web to Lead RU login help links Refunds Registration Policies Request or Retrieve Your Ryerson Student Number Ryes Ryerson Student OneCard RO Open Education Resource (OER) Programs for CECLs Programs for Part-Time Degrees Pves Pves Pves Pves Pves Pves Pves P		
Online Learning During COVID-19 no Open Education Resource (OER) Grant for CECLs yes Open Educational Resources (OER) yes Pathways to Part-Time Degrees yes Policies yes Professional Designations and Accreditation yes Professional Development for CECLs yes Programs for 50+ and Community Engagement yes RU Web to Lead yes RU login help links yes Refunds yes Registration Policies yes Request or Retrieve Your Ryerson Student Number yes Ryerson Student OneCard yes		
Open Education Resource (OER) Grant for CECLs yes Open Educational Resources (OER) yes Pathways to Part-Time Degrees yes Policies yes Professional Designations and Accreditation yes Professional Development for CECLs yes Programs for 50+ and Community Engagement yes RU Web to Lead yes RU login help links yes Refunds yes Registration Policies yes Request or Retrieve Your Ryerson Student Number yes Ryerson Student OneCard yes		
Open Educational Resources (OER) yes Pathways to Part-Time Degrees yes Policies yes Professional Designations and Accreditation yes Professional Development for CECLs yes Programs for 50+ and Community Engagement yes RU Web to Lead yes RU login help links yes Refunds yes Registration Policies yes Request or Retrieve Your Ryerson Student Number yes Ryerson Student OneCard yes		
Pathways to Part-Time Degrees Policies Professional Designations and Accreditation Professional Development for CECLs Programs for 50+ and Community Engagement RU Web to Lead RU login help links Refunds Registration Policies Request or Retrieve Your Ryerson Student Number Ryes Ryes Ryerson Student OneCard		
Policies Professional Designations and Accreditation Professional Development for CECLs Programs for 50+ and Community Engagement RU Web to Lead RU login help links RU login help links Refunds Registration Policies Request or Retrieve Your Ryerson Student Number Ryes Ryerson Student OneCard Ryes Resistration Policies Ryes Ryerson Student OneCard Ryes		
Professional Designations and Accreditation Professional Development for CECLs Programs for 50+ and Community Engagement RU Web to Lead RU login help links Refunds Registration Policies Request or Retrieve Your Ryerson Student Number Ryerson Student OneCard Ryes Resident Student Studen	Policies	
Professional Development for CECLs Programs for 50+ and Community Engagement RU Web to Lead RU login help links Refunds Registration Policies Request or Retrieve Your Ryerson Student Number Ryerson Student OneCard yes yes yes yes yes yes	Professional Designations and Accreditation	
Programs for 50+ and Community Engagement RU Web to Lead RU login help links Refunds Registration Policies Request or Retrieve Your Ryerson Student Number Ryerson Student OneCard Yes yes yes yes	Professional Development for CECLs	
RU Web to Lead RU login help links Refunds Registration Policies Request or Retrieve Your Ryerson Student Number Ryerson Student OneCard yes yes yes yes	Programs for 50+ and Community Engagement	
RU login help links Refunds Registration Policies Request or Retrieve Your Ryerson Student Number Ryerson Student OneCard yes yes yes	RU Web to Lead	
Refunds yes Registration Policies yes Request or Retrieve Your Ryerson Student Number yes Ryerson Student OneCard yes	RU login help links	
Registration Policies yes Request or Retrieve Your Ryerson Student Number yes Ryerson Student OneCard yes	Refunds	
Request or Retrieve Your Ryerson Student Number Ryerson Student OneCard yes yes	Registration Policies	
Ryerson Student OneCard yes	Request or Retrieve Your Ryerson Student Number	
	Ryerson Student OneCard	
<u> </u>	Ryerson University Now (RUN) Program	<u>no</u>

STEM Fast Tracks	<u>yes</u>
Services and Support	<u>yes</u>
Spanning the Gaps - Access to Post-Secondary Education	<u>yes</u>
Student Home	yes
Student Records	<u>yes</u>
Teaching at The Chang School	<u>yes</u>
Thank You for Joining Our Mailing List	yes
The Art of Business	<u>yes</u>
The amazing story of Retail Management at Ryerson	<u>yes</u>
Transition Foundations Program	yes
<u>Undergraduate Students</u>	yes
Undergraduates From Other Universities	<u>yes</u>
Veterans Transition to Education (VTE)	yes
What It Takes to Be a Privacy Professional	yes
What It's Like to Work in Tech in Canada	yes
What does it take to be a privacy professional?	yes
What is Academic Bridging?	yes

Notes
Are we changing the name of CESAR? I haven't touched this part of this page yet. This is also an inactive piece of
Mentions CESAR
Still need to confirm CESAR name
CESAR is mentioned
Duplicate of above

This is inactive
What's the new abbreviation for Ryerson Test of English Proficiency (RTEP) – B;
Mention of CESAR
Inactive
This page is inactive

: content



Search



Q Login ▼

Courses and Programs ∨

Enrolment ✓

Students >

Services and Support ➤

Contact Us ∨

Register now **()**

Social Sciences and Humanities **Foundations**

A Certificate

FULLY ONLINE

Strengthen your application for a fulltime undergraduate degree with the Certificate in Social Sciences and Humanities Foundations. From the degree-credit courses, you will gain a sense of what studying social sciences and humanities in university is like, without having to fully commit to a degree program. Once you're ready to move forward in your academic journey, many of the courses can be transferred as credits to college and university degree programs. Invest in yourself and develop university-level skills, such as critical thinking, problem-solving, research, and writing with this flexible certificate program.



Get Connected 2

Industry and Careers

A wide range of professions and industries require the foundational skills of critical thinking, problem-solving, research, and writing that the social sciences and humanities provide. Those who have acquired these creative, analytical, and communication skills are better able to shift across a changing employment landscape as well as upward within their profession.

Who Should Take This Certificate?

- Individuals who are interested in exploring degree-credit courses in social sciences and humanities before formally applying to university
- Individuals who are looking to strengthen their application to a full-time undergraduate degree program

What Will You Learn?

The certificate courses are drawn from the first-year foundation of Ryerson's Faculty of Arts undergraduate programs.

The required courses will help you develop and enhance your skills in critical thinking, problem-solving, research, writing, and presenting your ideas.

Elective courses cover a wide range of topics in the social sciences and humanities, allowing you to explore specific areas that interest you that you may want to pursue academically or professionally.

Required Courses

CSSH 105 Critical Thinking I

Next Offered: Spring/Summer 2022

CSSH 205 Academic Writing and Research

Next Offered:Fall 2022

Electives - Group A: Humanities (select 2)

Students may select a course in Arabic (CARB), American Sign Language (CASL), Chinese (CCHN), French (CFRE), or Spanish (CSPN) as part of this category. However, an online placement test is required; visit the Department's website for details.

CACS 100 Ideas That Shape the World I

CACS 210 Ideas that Shape the **World: Antiquity**

CENG 110 Literatures Across Borders

Next Offered: Fall 2022

CENG 208 Introduction to Non-Fiction

CHIS 104 Ten Days That Shook The World

CHIS 105 Inventing Popular

Next Offered: Spring/Summer 2022

CHIS 106 Technology, Warfare and Social Change

Next Offered: Spring/Summer 2023

CHIS 107 Colonization, **Colonialism and Independence**

CPHL 101 Plato and the Roots of

Next Offered: Spring/Summer 2023

Western Philosophy

CPHL 201 Problems in Philosophy

Next Offered:Spring/Summer 2022

CPHL 333 Philosophy of Human

Certificate Requirements

- 2 required courses: <u>CSSH 105</u> and <u>CSSH 205</u>
- 4 electives: 2 in Group A Humanities and 2 in Group B Social Sciences*
- Cumulative grade point average (GPA) of 1.67+

*Students may select a course in Arabic (CARB), American Sign Language (CASL), Chinese (CCHN), French (CFRE), or Spanish (CSPN) as part of the Electives - Humanities category. However, an online placement test is required; visit the Department's website Tor details.

To graduate, you must successfully complete, within your official time span, the requirements from the year you registered in the program. For more information, refer to Time Span in our <u>Glossary of Terms</u>. If certificate requirements change and courses are no longer available, you may request <u>Course Substitutions/Directives</u>. You must apply to graduate on <u>my.ryerson</u> (RAMSS) within the appropriate application deadlines (refer to <u>Important Dates</u>). Visit <u>Graduation</u> for details.

Admission Criteria

Recommended:

- Ontario Secondary School Diploma (OSSD) or equivalent
 - With 6 Grade 12 U or M credits

OR

• Mature student status

Note: If you do not meet the above stated admission criteria, you must complete CENG 110 (from Electives - Group A: Humanities) as one of your four electives.

If you are an undergraduate student, you should be aware of possible certificate restrictions. Check <u>Curriculum Advising</u> of for complete details.

Awards and Financial Aid

+

Contact Us



Nature

Next Offered:Fall 2022

<u>CPHL 366 Existentialism and Art</u> <u>and Culture</u>

Next Offered: Winter 2023

Electives – Group B: Social Sciences (select 2)

CCRM 100 Introduction to Canadian Criminal Justice

Next Offered: Fall 2022

CCRM 102 Introduction to Criminology

Next Offered:Spring/Summer 2022

CECN 104 Introductory

Microeconomics

Next Offered:Spring/Summer 2022

CECN 204 Introductory

Macroeconomics

Next Offered:Spring/Summer 2022

CEUS 102 Environment and Sustainability

<u>ouotumuomty</u>

CEUS 202 Sustaining the City's Environments

CCEO 171 Em

CGEO 131 Energy, Earth and

Ecosystems

Next Offered:Fall 2022

CGEO 151 Location, Location,

Location

Next Offered:Fall 2022

CPOG 100 People, Power and Politics

Next Offered:Fall 2022

CPOG 110 Power and Influence in Canadian Politics

Next Offered: Winter 2023

CPPA 101 Cdn Public

Administration I: Institutions

Next Offered:Fall 2022

CPPA 102 Cdn Public

Administration II: Processes

Next Offered:Spring/Summer 2022

CPSY 102 Introduction to

Psychology I

Next Offered:Spring/Summer 2022

CPSY 202 Introduction to

Psychology II

Next Offered:Spring/Summer 2022

CSOC 105 Introduction to

Sociology

CSOC 107 Sociology of the

Everyday

Next Offered:Spring/Summer 2023

CSSH 100 Inquiry and Problem-

<u>Solving</u>

CSSH 102 Learning and

Development Strategies

CSSH 301 Research Design and Qualitative Methods

Next Offered:Spring/Summer 2022



Search Q Login -

Courses and Programs ➤

Enrolment >

Students >

Services and Support ➤

Contact Us ∨

Strategic Marketing Management

A Certificate

The marketing industry is undergoing a rapid transformation. New technologies are changing how companies identify, target, and interact with consumers. Companies are ethically and, in some cases, legally bound to societal trends towards corporate social responsibility, social marketing, and sustainability. These ongoing changes demand highly-skilled creative, strategic and analytical thinkers.

Achievers at The Chang S...

Our Certificate in Strategic Marketing Management helps you understand the latest technologies and advancements in marketing through hands-on, practical learning. Choose our general stream to build a range of fundamental marketing skills, or focus on a particular area of interest by taking electives from our specialized streams:

- Marketing innovation
- · Marketing research
- Social media
- Sports marketing

Industry and Careers

This certificate can lead to career paths in roles such as:

- Account manager
- Brand manager
- · Content marketing specialist
- · Customer insights analyst
- · Digital marketing manager
- Customer insights analyst
- Marketing data analyst
- Social media strategist

Who Should Take This Certificate?

- Graduates looking to complement their degree or diploma with marketing skills to give them a competitive edge as they start their careers
- Marketing professionals that are seeking career advancement by gaining expertise in a specific area and upgrading their skills in the age of analytics
- Working professionals wanting to make a career change, seeking entry into the industry by learning the fundamentals of marketing

What Will You Learn?

In this certificate program, you will learn how to:

• Understand the fundamentals of marketing, including theories, principles, and concepts of market behaviour

Register now **>**

CMKT 100 Principles of Marketing

Next Offered:Fall 2022

Required Courses

CMKT 300 Marketing Metrics and Analysis

Next Offered:Fall 2022

Electives (select 4 or 5)

CGMS 522 International

Marketing
Next Offered:Fall 2022

CITM 350 Concepts of e-

Business

Next Offered:Fall 2022

CMKT 400 Understanding

Consumers and the New Media

Next Offered:Fall 2022

CMKT 500 Marketing Research

Next Offered:Fall 2022

CMKT 504 Effective Persuasion

Next Offered:Fall 2022

CMKT 510 Innovations in

<u>Marketing</u>

Next Offered:Fall 2022

CMKT 535 Integrated Marketing

Communications

CMKT 600 Integrated Case

<u>Analysis</u>

Next Offered: Spring/Summer 2023

CMKT 700 Business

Intelligence/Decision Modeling

CMKT 702 Advanced Marketing

<u>Management</u>

CMKT 723 Services Marketing

Next Offered:Fall 2022

CMKT 730 Assessing/Managing

Market Opportunities

CMKT 731 Competitive

<u>Intelligence</u>

CMKT 828 Sport Marketing

Concepts and Strategy

CMKT 829 International Sport

correspes of market periavious

Marketing

CMKT 850 Applied Research
Project

- Interpret and satisfy customer expectations by creating, developing, managing, and delivering products and services
- Apply quantitative and qualitative analyses to measure the success of marketing initiatives
- Engage state-of-the-art contemporary supply and demand marketing metrics and analytic tools, such as marketing research, share of mind, margins and profits, product, Salesforce, and channel management
- Use the case method integrating marketing theory and marketing metrics as a model for critically analyzing situations and developing evidence-based, ethical decision-making skills
- Create and evaluate integrated marketing plans that may include product/brand management, marketing research, advertising, public relations, media buying, and/or digital marketing

Certificate Requirements

- 2 required courses*
 - CMKT 100
 - CMKT 300
- Any 4 electives
- Cumulative grade point average (GPA) of 1.67+

*If you demonstrate the requisite combination of education and work experience, you may apply to the academic coordinator to waive CMKT 100. If granted a waiver, you will need to complete 5 electives (instead of 4) to fulfill the certificate requirements.

To graduate, you must successfully complete, within your official time span, the requirements from the year you registered in the program. For more information, refer to Time Span in our <u>Glossary of Terms</u>. If certificate requirements change and courses are no longer available, you may request <u>Course Substitutions/Directives</u>. You must apply to graduate on <u>my.ryerson</u> (RAMSS) within the appropriate application deadlines (refer to <u>Important Dates</u>). Visit <u>Graduation</u> for details.

Admission Criteria

Required:

- Ontario Secondary School Diploma (OSSD) or equivalent
 - With 6 Grade 12 U or M credits

OR

• Mature student status with relevant professional experience in business

If you are an undergraduate student, you should be aware of possible certificate restrictions. Check <u>Curriculum Advising</u> of for complete details.

Professional Development + Frequently Asked Questions + Awards and Financial Aid + Contact Us +



Search Q Login -

Courses and Programs ➤

Enrolment St

Students ➤ Services and Support ➤

Contact Us ∨

Sustainability Management and Enterprise Process Excellence

A Certificate

Important Note: The Certificate in Sustainability Management and Enterprise Process Excellence will not be accepting any new registrants. This certificate has been discontinued effective Winter 2022. Students formally registered in the certificate prior to November 2, 2021 must complete the program requirements in effect at the time they registered. For curriculum details, please refer to the <u>archived calendar</u> for your year of registration. For more information, please contact <u>ce@ryerson.ca</u>.

If this certificate interests you, you may want to check out our Certificate in <u>Food Security</u>.

Required Courses: Planned Final Offerings for Sustainability Management

	CKSS100	CKSS101	CKSS210	CKSS211
Spring 2022	~			~
Fall 2022		~		
Winter 2023			~	

Please note the open enrolment dates for the following semesters:

Fall 2022: Enrolment opens June 6, 2022 Winter 2023: Enrolment opens August 8, 2022

* Many Elective courses will continue to run regular offerings in future terms

Register now **()**



CKSS 100 Fundamentals in Sustainability I

CKSS 101 Fundamentals in

Sustainability II

Next Offered:Fall 2022

CKSS 210 Lean Six Sigma Contin

<u>Improvement</u>

Next Offered: Winter 2023

CKSS 211 Lean Six Sigma Sust
Bus Enterprise

Electives (select 2)

CECN 502 Economics of Energy and Natural Resources

CECN 510 Environmental

Economics

CFNY 404 Food Policy and

Programs for Food Security

Next Offered: Spring/Summer 2023

CFNY 407 Community

Development and Food Security

Next Offered:Spring/Summer 2023

CHTT 510 Sustainable Tourism: the Golden Goose?

CKAR 500 Sustainable Buildings

Next Offered:Fall 2022

CKAR 601 Building Science for Architectural Preservation and

Conservation

Next Offered:Fall 2022

CKLA 400 Ecology and

Sustainable Landscapes

CKLA 450 Landscape Restoration

Next Offered:Spring/Summer 2023

CKSS 102 Designing a Sust-

Enterprise

CKSS 201 Sustainability Topics and Trends

CKSS 212 Lean Six Sigma Quality
Assurance

CTEC 210 Fundamentals of

Project Management

Next Offered:Fall 2022

CTEC 241 Energy Innovation

CTEC 264 Trends in Smart Grid

CTEC 269 Trends in Energy

Conservation

CTEC 282 Public Policy in Energy

CVFN 410 Understanding Urban

Agriculture

Next Offered:Fall 2022

CVFN 411 Dimensions of Urban

<u>Agriculture</u>

Next Offered:Spring/Summer 2023

CVFN 412 Practicing Urban

<u>Agriculture</u>

CVFN 413 Urban Agriculture

Policy-Making

Next Offered: Winter 2023

CZMN 200 Corporate

Responsibility & Sustainability

Next Offered:Fall 2022



Search Q Login -

Courses and Programs ➤

Enrolment ✓

Students >

Services and Support >

Contact Us ∨

Urban Agriculture

A Certificate

NEW FOR FALL 2020

FULLY ONLINE

Urban agriculture is not only a growing field, but a necessary one. As people continue to move into cities, there will be an added need for professionals with urban agriculture training to lead the sustainability path in building resilient city regions. If you're looking for a career to help create positive change in your community, our Certificate in Urban Agriculture will help you get there. This four-course, fully-online certificate equips you with the knowledge, skills, and practical experience to address food system challenges in local and global contexts.



Get Connected

Industry and Careers

This certificate can help you grow your career in a range of industries like urban planning, environmental studies, public health, international development and more.

This certificate can lead to career paths in roles such as:

- Municipal Planner or Policymaker
- Coordinator or Project Manager in Urban Agriculture, Plant Innovation, or Rooftop/Community Gardens
- Public Gardens Or Field Production Staff
- Coordinator or Project Manager or Consultant in Ecological Planning
- Consultant In Sustainable Development
- Project Manager in a Local Authority, Urban Planning or Environmental Department, or Development Agency

Who Should Take This Certificate?

- Students and recent graduates with relevant degrees (e.g. nutrition and food, urban planning, sociology, architecture, etc.) wishing to gain a specialization in urban agriculture.
- Individuals with experience in the urban agriculture sector, seeking additional training
 or expanded understanding of the overall scope of the field, including business
 entrepreneurs, ecological, urban and health planners, municipal planners,
 environmental advocates, development officers, urban food growers, staff of parks,
 and other city departments.

What Will You Learn?

After completing this certificate, you will able to:

Register now **2**

Required Course

CVFN 410 Understanding Urban Agriculture

Next Offered:Fall 2022

Required Elective (select 2)

CVFN 411 Dimensions of Urban Agriculture

Next Offered:Spring/Summer 2023

CVFN 412 Practicing Urban Agriculture

CVFN 413 Urban Agriculture
Policy-Making

Next Offered: Winter 2023

General Elective (select 1)

CENT 500 New Venture Startup

Next Offered:Fall 2022

CFNY 403 Food Security

Concepts and Principles

Next Offered:Fall 2022

CFNY 408 Urban Food Security

Next Offered: Winter 2023

CFNY 510 Indigenous Food

Systems in Canada

Next Offered:Winter 2023

CKLA 400 Ecology and

Sustainable Landscapes

CKSS 100 Fundamentals in

Sustainability I

CVFN 400 Practicum/Project in

<u>Urban Agriculture</u>

Next Offered:Fall 2022

CVFN 420 Green/Natural Infrastructure

Next Offered:Fall 2022

Through your choice of electives, you can concentrate on an area of focus like:

- Analyze the relationships between urban agriculture and multiple dimensions of urban management, including health and nutrition, social and cultural development, local economic development, and environmental management
- Identify how urban agriculture can advance food security, food sovereignty, and environmental sustainability through planning and policy
- Apply participatory and gender-sensitive concepts, tools, and processes, such as situation analysis, action planning, and policy design with diverse urban agriculture stakeholders
- · The study of social behaviour
- Applications of psychology in organizations

NEW Course!

In our newest online course, <u>CVFN 420 - Green/Natural Infrastructure</u>, you'll gain core knowledge about green/natural infrastructure practices (such as street tree planting, green roofs, rainwater harvesting) – via guest speakers, virtual site tours, interactive modules and more.

Certificate Requirements



- One required course
- Two required electives
- One general elective
- Cumulative grade point average (GPA) of 1.67+

Admission Criteria



Recommended:

• OSSD with six Grade 12 U or M credits (including English), with a minimum average of 60 percent, or equivalent

OR

• mature student status with relevant work experience

Awards and Financial Aid



Contact Us

