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- [Courses and Programs](#) 
- [Enrolment](#) 
- [Students](#) 
- [Services and Support](#) 
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Course Series

Earn a Professional Development Award or Academic Achievement Award by taking just 2–4 courses. A course series is a grouping of courses in a defined area that you can use to boost your knowledge or skills.

Once you have successfully completed the courses, please submit the [Request for Professional Development Award \(PDA\) form](#)  with your name, student number, and the course series you have completed. Upon verification, you will receive your professional development award within 4 to 6 weeks.

View by Areas of Study

View Alphabetically

3-D Printing, Visualization, and
Agile Product Prototyping

American Sign Language (ASL)

Applied Analytics and Statistics
for 21st Century Decision-Making

Architectural Preservation

Architectural Technologists
Professional Career Foundations

Blockchain for Business

CATIA Engineering Design

Caring Clown

Children’s Publishing

Coding, Programming, and
Algorithms: Computer Science
Fundamentals

Colour Management Systems

Computer Programming for
Game Developers

Conservation and Renewal of
Urban Buildings

Creative Photography

Creative Writing

Cybersecurity

Early Childhood Mental Health
and Well-Being

EarlyON Child and Family Centres

Entrepreneurship and Small
Business

Family Supports and Community
Engagement

Film Production Techniques
Using Mobile Devices

Financial Predictive Data
Analytics

Fine Art Practice

Gender and Sexuality

Health Ethics

Health Informatics

Health Services Management

Immigration and Settlement
Studies

Inclusive Media: Real-time Closed
Captioning and Audio
Description/Described Video

Intercultural Communication in
the Canadian Workplace (ICCW)

Interdisciplinary Conflict
Resolution and Team Building

Interdisciplinary Studies:
Community Partnerships

Interdisciplinary Studies:
Interdisciplinary Program
Management

Interdisciplinary Studies:
International Field Experience

Internationally Trained Health
Professionals (ITHP) bridging
program (formerly ITMD -
Internationally Trained Medical
Doctors program)

Introduction to Health Data
Analytics

Introduction to Privacy, Access,
and Information Management

Introductory Accounting

Leadership in Accessibility and
Inclusion

Marketing Innovation

Marketing Research

Paediatric Health Assessment

Patient Safety and Nursing
Informatics

Professional Healthcare Careers
Foundations

Project Management

Project and Workplace Budgets
Coordination

| | | |
|---|---|---|
| Research Methodologies and Program Evaluation | Scientific Research Policy and Ethics | Toy Invention |
| Retail Buying | Social Media Marketing | Website Design |
| Retail Operations and Sales Management | Social Media Practices and Reputation Management | Workplace Communication in Canada (WCC) |
| Science, Technology, Engineering, and Mathematics (STEM) | The Human Body | Workplace Mental Health in Healthcare Settings |
| | The Internet of Things (IoT) | |

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of Continuing
Education

Search



Login

[Courses and Programs](#)

[Enrolment](#)

[Students](#)

[Services and Support](#)

[Contact Us](#)

Blockchain for Business

Course Series



For many, blockchain is all about “cryptocurrencies”, such as Bitcoin, however, the applications of blockchain are much broader than financial transactions. In fact, blockchain technology has been deemed as significant an invention as the Internet.

Blockchain has the potential to change business processes and models in a distributed and decentralized manner. This technology is deemed to be transformative for businesses across the world, transcending industries and geographies alike. Any business that makes use of an intermediary to verify transactions could make use of blockchain technology.

This course series aims to help fill a knowledge gap for professionals seeking essential knowledge in the ways in which blockchain technology works and how it can be applied effectively to solve business problems.

Not ready to enrol but want to learn more?

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

[Fill Out This Form](#)

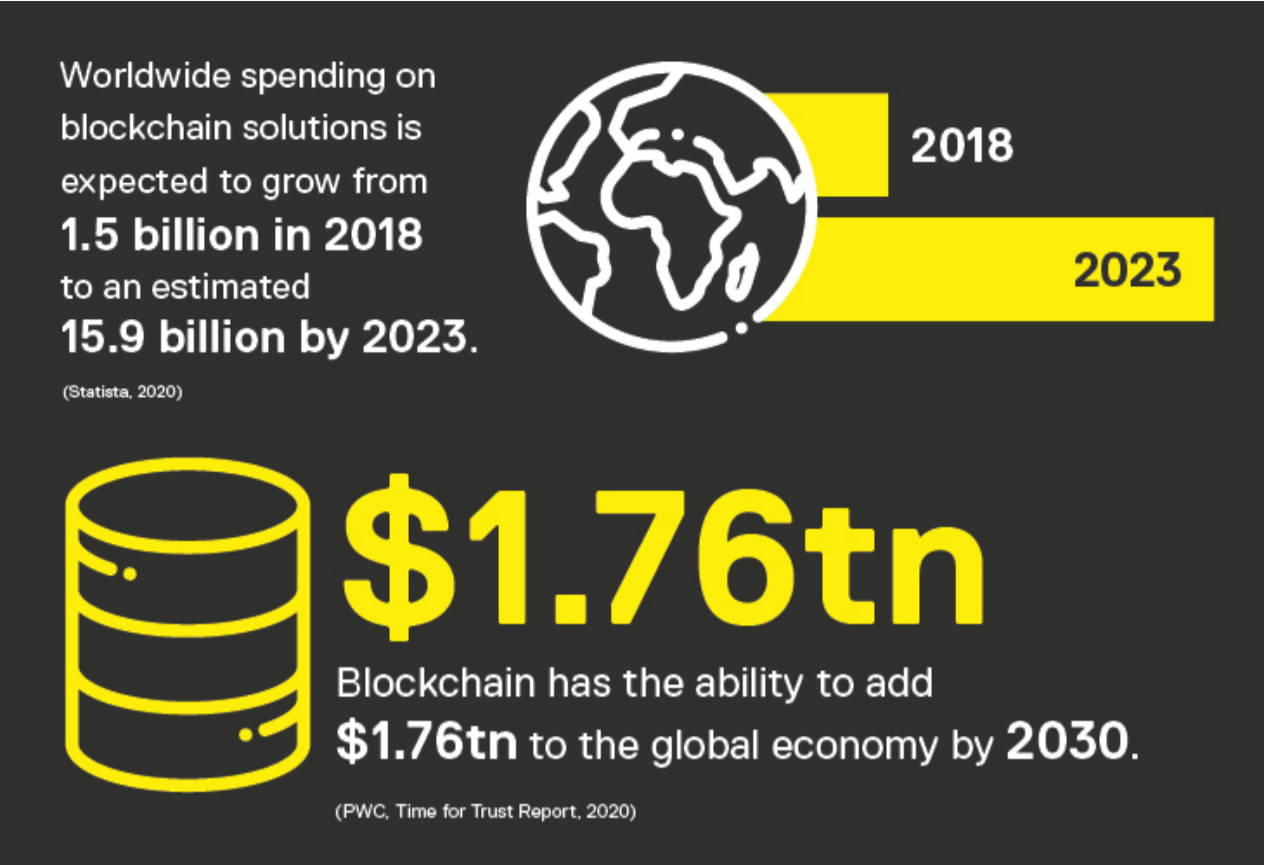
Blockchain for Business

[CZIT 200 Blockchain Architecture and Applications](#)

Next Offered: Winter 2023

[CZLW 200 Blockchain: Risk Management](#)

Next Offered: Fall 2022



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Education

Search



Login

Courses and Programs

Enrolment

Students

Services and Support

Contact Us

Caring Clown

Course Series



Want to embark on a unique and purposeful learning experience?

Give back to your community and help improve the quality of life of long-term care residents. Explore your sense of fun and your compassionate spirit.

The Caring Clown course series combines basic clowning skills of spontaneity, playfulness, and humour with compassion and caring. Added to the mix are music and movement. No special skills are required – just a willingness to learn and be open to new challenges!

Clowns come from all walks of life. Some have been teachers, social workers, lawyers, engineers or business professionals. Most are retired, but many also work part-time. Although Caring Clowns wear red noses, their costumes and characters are reflective of eccentric cousins, aunts, or uncles you may remember growing up.

Caring Clowns serve residents who generally have mid to advanced dementia. Many of the residents are confined to wheelchairs, and are isolated, lonely, and in need of cheer.

This course series is part of [Programs for 50+ and Community Engagement](#) at The Chang School.

Required Courses

[CSCC 900 Caring Clown I](#)

Next Offered: Fall 2022

[CSCC 910 Caring Clown II](#)

Next Offered: Winter 2023

[CSCC 911 Caring Clown Practicum](#)

Celebrating 10 Years of Caring Clown

Celebrating 10 Years of ...



In celebration of 10 years of creativity, humour, and compassion, our partners at The City of Toronto Seniors Services and Long-Term Care Division put together this moving video tribute to the Caring Clown program.

Who Should Take This Course Series?



What Will You Learn?



| | |
|---|---|
| What Will You Learn? | + |
| Testimonials | + |
| How to Enrol in Courses | + |
| Caring Clown in the News | + |
| Toronto Challenge | + |
| Course Series Requirements | — |
| <ul style="list-style-type: none">• Successful completion of 3 required courses | |
| Connect with Us on Facebook | + |
| Contact Us | + |

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[Courses and Programs ▾](#)

[Enrolment ▾](#)

[Students ▾](#)

[Services and Support ▾](#)

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CATIA Engineering Design

 Course Series

This program provides students with foundational, applied, and academic knowledge and skill sets in CATIA design. The courses offer students a comprehensive picture of current best practices in CATIA design and real-life industry applied case studies. They allow students to meet their individual interests in extending their knowledge and skills needed to support engineering design and product development. This knowledge and applicable skill set will be useful for technical digital practitioners whether they are serving on commercial, para-public, national defence, municipal, provincial, and national or international structural design projects or product development projects.


No previous background is required.

You will have the opportunity to acquire and use technical skill sets and best practices in CATIA design, together with analyses of real-life industry and engineering case studies. You will learn to transform and execute CAD system logistics with CATIA as products and design contexts change.

This is an Open Admissions program to help you advance or change your career. Those who successfully complete this 2 course program are eligible to earn a Professional Development Award from The G. Raymond Chang School of Continuing Education.

Required Courses

[CKAE 100 CATIA Engineering Design I](#)
[CKAE 101 CATIA Engineering Design II](#)
[CKAE 102 CATIA Engineering Design III](#)

| | |
|---|---|
| What Will You Learn? | + |
| Who Teaches the Courses? | + |
| Industry and Careers | + |
| Recommended Sequence | + |
| Course Series Requirements | — |
| <div><ul style="list-style-type: none">Successful completion of 2 required courses<p>Those who successfully complete this course series are eligible to earn a Professional Development Award from The G. Raymond Chang School of Continuing Education. Once you have successfully completed the courses, submit the Request for Professional Development Award (PDA) form  with your name, student number, and the course series you have completed. Upon verification, you will receive your professional development award within 4 to 6 weeks.</p></div> | |
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The Chang School
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Education

Search



Login ▾

[Courses and Programs ▾](#)

[Enrolment ▾](#)

[Students ▾](#)

[Services and Support ▾](#)

[Contact Us ▾](#)

Children’s Publishing

 Course Series

This course series is intended for individuals who wish to specialize in this dynamic and growing sector within the book publishing industry. Toronto is the centre for children’s publishing in Canada, and Canada is a recognized leader in children's publishing worldwide. In-depth training in children’s publishing will prepare our students for entry into this vibrant sector.

Want to find out more or ask a question about the **Course Series in Children's Publishing**? Connect with this program by email.

Email us 

This course series offers the following benefits:

- **Enrol right away – open admissions with no application required**
- **Complete from wherever you are through a fully online format**
- **Get real industry experience by responding to postings for job and paid internship opportunities**
- **Earn a Professional Development Award on successful completion of all courses**
- **Use these courses towards the [Certificate in Publishing](#)**
- **Apply for merit-based awards**

Required Courses 

[CDPB 300 Children's Classics in the 21st C](#)

Next Offered: Fall 2022

[CDPB 301 Publishing for Children](#)

Next Offered: Fall 2022

[CDPB 309 Editing Books for Children and Teens](#)

Next Offered: Fall 2022

[CDPB 313 Mktg Books for Children and Teens](#)

Next Offered: Fall 2022

Course Series Requirements 

- Successful completion of 4 required courses

Those who successfully complete this course series are eligible to earn a Professional Development Award from The G. Raymond Chang School of Continuing Education. Once you have successfully completed the courses, submit the [Request for Professional Development Award \(PDA\) form !\[\]\(53ee398fe4787500d38e775f831e1cb6_img.jpg\)](#) with your name, student number, and the course series you have completed. Upon verification, you will receive your professional development award within 4 to 6 weeks.

Related Certificate 

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Search



Login

Courses and Programs

Enrolment

Students

Services and Support

Contact Us

Coding, Programming, and Algorithms: Computer Science Fundamentals

Course Series

Are you looking to get into coding?

Our program is designed to help you build your career in coding and computer programmers in software engineering. In this course series, you will receive training in the most popular programming languages (Java, C, and Python) and operating system (UNIX).

Bridging into Computer Science Graduate Program

Individuals who complete this course series and hold a 4-year undergraduate degree (or equivalent) in any field are qualified to apply to the [Masters of Science in Computer Science program at Ryerson University](#).

While there is no guarantee of admission into the graduate program, completion of this course series enhances a student’s application by providing a formal background in computer science.

No previous background is required.

You will learn to program and code professionally in the most popular programming languages among employers: Python, Javascript, and C++.

Acquire skills and techniques for maintaining an operating system (UNIX).

This is an Open Admissions program to help you advance or change your career. Those who successfully complete this three-course program are eligible to earn a Professional Development Award from The G. Raymond Chang School of Continuing Education.

Required Course

[CCPS 305 Data Structures](#)

Next Offered:Spring/Summer 2022

Electives (select 2)

[CCPS 109 Computer Science I](#)

Next Offered:Spring/Summer 2022

[CCPS 209 Computer Science II](#)

Next Offered:Spring/Summer 2022

[CCPS 616 Algorithms](#)

Next Offered:Spring/Summer 2022

What Will You Learn?



Who Teaches the Courses?



Industry and Careers



Recommended Sequence



Term 1 (*Select Two*)

[CCPS 109 - Computer Science I](#)

[CCPS 209 - Computer Science II](#)

[CCPS 616 - Algorithms](#)

Term 2

[CCPS 305 - Data Structures](#)

Note: This course series fulfils part of the prerequisite requirements for individuals to apply to Ryerson University’s [Master of Data Science and Analytics](#).

Course Series Requirements



- Successful completion of 1 required course
- Successful completion of 2 electives

Those who successfully complete this course series are eligible to earn a Professional Development Award from The G. Raymond Chang School of Continuing Education. Once you have successfully completed the courses, submit the [Request for Professional Development Award \(PDA\) form](#) with your name, student number, and the course series you have completed. Upon verification, you will receive your professional development award within 4 to 6 weeks.

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The Chang School
of Continuing
Education

Search



Login ▾

[Courses and Programs ▾](#)

[Enrolment ▾](#)

[Students ▾](#)

[Services and Support ▾](#)

[Contact Us ▾](#)

Colour Management Systems

 Course Series

Companies choose brand and product colours to enhance recognition and gain advantage in the marketplace, and accurate, consistent print and digital output is essential. Through this course series, gain a fundamental understanding of colour and colour management systems, and learn how to effectively manage colour across different platforms for both print and packaging using industry standard practices, tools, and procedures.

Want to find out more about the **Course Series in Colour Management Systems?** Express interest to connect with this program and receive updates.

[Express interest ↗](#)

Required

- [CDGA 110 Colour Management - Intro](#)
- [CDGA 120 Colour Management - Printing](#)
- [CDGA 130 Colour Management - Packaging](#)

The three courses in this series combine theory with hands-on learning to increase your colour management skills and knowledge – practice what you’ve learned in state-of-the art colour management labs. This series is suitable for industry professionals looking to increase their colour management competency beyond an introductory level.

This course series offers the following benefits:

- **Enrol right away – open admissions with no application required**
- **Earn a Professional Development Award on successful completion of all courses**
- **Apply for merit-based awards**

Course Series Requirements

- Successful completion of 3 required courses

Those who successfully complete this course series are eligible to earn a Professional Development Award from The G. Raymond Chang School of Continuing Education. Once you have successfully completed the courses, submit the [Request for Professional Development Award \(PDA\) form ↗](#) with your name, student number, and the course series you have completed. Upon verification, you will receive your professional development award within 4 to 6 weeks.

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Computer Programming for Game Developers

Course Series

This program teaches 3-D Unity and Autodesk's Maya (in a computer lab) to equip students with the programming and scripting skills set to develop, on server-based and mobile devices, a range of commercial and serious games such as video games, learning games, "training interactive", and augmented reality simulations and applications. The project-centred approach provides hands-on engaging computer programming application and game development that are closely analogous to work projects that the students will experience in their real-world work as game developers.

Course Series Requirements —

- Successful completion of 3 required courses

Those who successfully complete this course series are eligible to earn a Professional Development Award from The G. Raymond Chang School of Continuing Education. Once you have successfully completed the courses, submit the [Request for Professional Development Award \(PDA\) form](#)  with your name, student number, and the course series you have completed. Upon verification, you will receive your professional development award within 4 to 6 weeks.

Intensive Option +

Contact Us +

Required Courses —

[CKCS 170 C++ and CSharp.net for Game Dev](#)

[CKCS 171 Math for Game Dev Design](#)

[CKCS 172 Game Mechanics for Game Dev](#)

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The Chang School
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Education

Search



Login ▾

[Courses and Programs ▾](#)

[Enrolment ▾](#)

[Students ▾](#)

[Services and Support ▾](#)

[Contact Us ▾](#)

Conservation and Renewal of Urban Buildings

 Course Series

In this program, students master solutions associated with existing asset evaluation of damage and deterioration; preservation and rehabilitation of existing assets and urban spaces; repair and re-use of materials associated with cost control; and best practices in adaptive re-use and sustainability. Topics include management and renewal of public and private physical assets, including built infrastructure, and fixed plants such as urban buildings, airports, hospitals, broadband networks, and interior and open-air private and public spaces.

No previous background required.

You will learn to design and execute repairs, renovations, restorations and rehabilitations of urban buildings and infrastructures using up-to-date SMART building practices.

This is an Open Admissions program to help you advance or change your career. Those who successfully complete this three-course program are eligible to earn a Professional Development Award from The G. Raymond Chang School of Continuing Education

Required Courses

[CKAM 160 Infrastructure Repair](#)

[CKAM 170 Sustainable Building Design](#)

[CKAM 180 Preservation and Future Assets](#)

What Will You Learn?



Who Should Enrol?



Who Teaches the Courses?



Industry and Careers



Recommended Sequence



You may take all three courses in one term or take them in combination over a number of semesters as you prefer. Here is one possible approach:

Term 1

[CKAM 160](#)

[CKAM 170](#)


Term 2

[CKAM 180](#)

Course Series Requirements



- Successful completion of 3 required courses

Those who successfully complete this course series are eligible to earn a Professional Development Award from The G. Raymond Chang School of Continuing Education. Once you have successfully completed the courses, submit the [Request for Professional Development Award \(PDA\) form](#)  with your name, student number, and the course series you have completed. Upon verification, you will

receive your professional development award within 4 to 6 weeks.

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The Chang School
of Continuing
Education

Search



Login ▾

Courses and Programs ▾

Enrolment ▾

Students ▾

Services and Support ▾

Contact Us ▾

Creative Photography

 Course Series

This course series offers the following benefits:

- **Enrol right away – open admissions with no application required**
- **Take courses in any order – no prerequisites needed**
- **Earn a Professional Development Award on successful completion of all courses**
- **Use applicable courses towards the [Certificate in Photography Studies](#)**
- **Exhibit your creative work through special events**
- **Apply for merit-based awards**


If you have a passion for photography, welcome to the Course Series in Creative Photography. Short-term courses between 12 and 24 hours in the evenings, and/or weekends, will test your creative abilities. Landscape, documentary, websites, portfolio development, portraits, and even pinhole digital imaging are some of the courses offered. Courses will be taught by professional photographers who work in the industry and who will help you create your ideas.

Equipment/Facilities Use

Please note that equipment and facilities use outside of class time will not be provided. **All course work requiring use of Ryerson equipment and facilities must be done during class time only.**

Course Series Requirements

- Successful completion of 3 required courses (totalling a minimum of 60 hours)

Those who successfully complete this course series are eligible to earn a Professional Development Award from The G. Raymond Chang School of Continuing Education. Once you have successfully completed the courses, submit the [Request for Professional Development Award \(PDA\) form](#)  with your name, student number, and the course series you have completed. Upon verification, you will receive your professional development award within 4 to 6 weeks.

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Required Courses (select 3)

Select a minimum of 3 courses, totalling a minimum of 60 hours.

[CDFP 312 Art Direction for Ad Agencies](#)

[CDFP 318 Photographing in the Field](#)

[CDFP 319 Documentary Project](#)

[CDFP 355 Digital B&W Photography](#)

[CDFP 388 Pinhole Digital Images](#)

[CDFP 414 Traditional Photography](#)

[CDFP 417 Night Photography](#)

[CDFP 418 Landscape Photography](#)

[CDFP 419 Exploring Toronto Landscapes](#)

[CDFP 420 Making a Photographic Book](#)

[CDFP 421 The Interpretive Portrait](#)

[CDFP 422 Commercial Portraits](#)

[CDFP 423 The Portable Portrait Flash](#)

[CDFP 424 Introduction to Lightroom](#)

[CDFP 425 Lightroom Advanced](#)

[CDFP 432 Digital Printing Workshop](#)

[CDFP 907 Using a 4X5 View Camera](#)

[CDFP 908 Using Your Digital Camera](#)

[CDFP 915 The Travelling Camera](#)

[CDFP 924 Gallery Hopping](#)

[CDFP 925 Smartphones as a Fine Art Tool](#)

[CDFP 929 The Business of Photography](#)

[CDFP 945 Creative Child and](#)

[Animal Portraits](#)

Creative Writing

Course Series



Welcome to the writing life at The Chang School!

Have you been holding on to an idea for a story for a long time? Have you wanted to develop a writing practice but don't know where to start? Maybe you already have a project on the go, but want to know how to take it to the next stage in its development.

Our goal is to jump-start your creativity and guide you through the craft of writing in various genres. Classes are small and students quickly form a community of emerging writers. Whether you are getting your feet wet with a beginner's course or making the final touches on your novel, we have a course to fit your needs.

Creative writing is both a craft and an art. Workshops allow students to dip a toe into the world of imaginative writing and then continue with more advanced workshops in a variety of genres.

We welcome beginners and advanced writers, and everyone in between.

What You Can Expect

- **Small classes with a hands-on approach:** From the first class, you'll roll up your sleeves and start writing.
- **Constructive and supportive feedback on your work:** Our courses feature lively, useful discussions on matters of craft and finding your voice.
- **Tips on how to get published:** Many of our students have published their work in journals, newspapers, magazines, and books.
- **Expert, award-winning instructors:** Visit our [Instructor Profile Directory](#) to read instructor biographies.

Earn a Professional Development Award in Creative Writing

Creative Writing workshops are non-credit, but students who successfully complete a minimum of three courses, totalling a minimum of 60 hours, are eligible to earn a Professional Development Award from The Chang School. You can also take more than three courses if you wish.

☒ Not ready to enrol but want to learn more?

Attend a free information session on April 5, or have a representative from The Chang School contact you.

[Fill Out This Form](#)

Required Courses (select 3) —

Select a minimum of 3 courses, totalling a minimum of 60 hours.

[CWWR 110 Introduction To Creative Writing](#)

Next Offered: Winter 2023

[CWWR 120 Writing Poetry](#)

[CWWR 130 Creative Nonfiction Essay Writing](#)

[CWWR 336 True to Life: Writing Your Own Story](#)

[CWWR 410 Short Fiction Writing - Level I](#)

[CWWR 411 Short Fiction Writing - Level II](#)

[CWWR 415 Fiction and Non-Fiction Writing](#)

[CWWR 420 Novel Writing - Level I](#)

[CWWR 446 Writing Television Situation Comedy](#)

[CWWR 514 Works In Progress: One-On-One Creative Writing Workshop](#)

See Course Series Requirements for more information.

This course series offers the following benefits:

- **Enrol right away – open admissions with no application required**
- **Earn a Professional Development Award on successful completion of all courses**
- **Apply for merit-based awards**

Jessica Westhead's *Worry* Recognized on CBC's Canada Reads 2020 Longlist

Chang School instructor Jessica Westhead's new novel, [Worry](#), has secured a place on the [CBC Canada Reads 2020 longlist](#). This year's theme is "one book to bring Canada into focus".

Jessica teaches both [Short Fiction Writing - Level I \(CWWR 410\)](#) and [Creative Travel Writing \(CWWR 952\)](#) in the Course Series in Creative Writing.

Congratulations, Jessica!

Testimonials



Our Students' Success



Course Series Requirements



- Successful completion of 3 required courses (totalling a minimum of 60 hours)

Those who successfully complete this course series are eligible to earn a Professional Development Award from The G. Raymond Chang School of Continuing Education. Once you have successfully completed the courses, submit the [Request for Professional Development Award \(PDA\) form](#) with your name, student number, and the course series you have completed. Upon verification, you will receive your professional development award within 4 to 6 weeks.

Format

Each of our ten-week courses is made up of ten modules. In each module, we work together on a new aspect of the writing craft. There is no long lecture to read. Instead, the module offers thinking points and discussion points, followed by an exercise. You respond online, your classmates read what you say/write and respond to it, and the instructor gives feedback. There is a short homework assignment each week.

In ten weeks, we cover all the key elements of the genre. In addition, we invite an online guest (publisher/editor) who will answer your questions about the world of publishing and editing.

Participation and Sense of Community

You are expected to comment on the assignments of others, and in turn, they (and the instructor) will comment on and critique your posted work. The atmosphere is good-humoured and collegial, and there is no shortage of jokes and off-the-cuff observations, just as there would be in an earthbound classroom. In the final modules, you will have a chance to post a full draft of a story or travel article.

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The Chang School
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Education

Search



Login

[Courses and Programs](#)

[Enrolment](#)

[Students](#)

[Services and Support](#)

[Contact Us](#)

Cybersecurity

Course Series

New for Fall 2020

Computer Security and Digital Forensics



Cybercrime is at an all-time high and has the potential to affect everyone. The Canadian labour market has an acute shortage of technically and analytically skilled experts needed to fill cybersecurity professional jobs that can help thwart this global threat. Canadian employers lament that they can't fill the large number of roles.

To address this, The G. Raymond Chang School of Continuing Education has created a new, fully online Cybersecurity Fast Track Course Series program as part of the federal government's mandate to offer Canadians and Permanent Residents a four-week, open admissions, career-ready program in cybersecurity.

This program may be financed using the Canada Tax Credit Benefit. As part of your tuition, you may request at any time pre-arranged phone meetings with our cybersecurity tutor or with your course instructors.

Required

[CKDF 110 Computer Network Security](#)

Next Offered: Fall 2022

[CKDF 130 Digital Forensics Systems](#)

Next Offered: Fall 2022



In this two-course course series, comprising 78 hours of instruction, students gain hands-on, experiential learning by applying open-source cybersecurity technical applications.

Specialized software and tools are also used in order to perform penetration testing, digital forensics, data protection, and network privacy solutions in private and public sector closed networks and cloud-based enterprise environments.

Various security techniques that are essential for any security professional will be introduced using state of the art virtual desktop infrastructure environment. The environment will have many virtual machines with pre-installed and configured tools to perform the various tasks expected from a security professional.

This course series will also cover some of the most popular techniques, including, CIA Triad, the different types of hacking, auditing, digital forensic, and incident response. Digital forensic techniques are used in the evidentiary process and the various methodologies intrinsic to computer forensics with an emphasis on computer incident response and information system protection.

For more information, email Client Services at ce@ryerson.ca and Academic Coordinator Alex Ferworn at aferworn@ryerson.ca

 **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](#) 

| | |
|---|----------|
| What Will You Learn | + |
| Who Teaches the Courses? | + |
| Industry and Careers | + |
| Recommended Course Sequence | — |
| <p>Both of the following courses may be taken concurrently, or, alternatively, one after the other:</p> <p>CKDF 110 Computer Network Security</p> <p>Learning outcomes comprise technical and analytic competencies for penetration testing, breach closure implementations and data protection and privacy solutions, among others of Kali Linux, Wireshark, Nmap, Nessus, Ncrack, Metasploit, Hping3, online virus scanners, WebGoat, IPTables, and Snort.</p> <p>CKDF 130 Digital Forensics Systems</p> <p>Learning outcomes comprise technical and analytic competencies for the extraction of volatile data from a breach and legal presentation of this data (e.g. data from which will hold up in any court of law internationally) using Oracle VM VirtualBox together with forensic analysis using among others, Autopsy and Honey Pots, Network Security examination with Wireshark, mobile forensic analysis with iPhone Analyzer tool, and creating a timeline of non-volatile data using FTK Images.</p> | |
| Course Series Requirements | — |
| <p>This is an open admissions program, which means you can enrol in these cybersecurity courses right away. No prior background is required.</p> | |
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The Chang School
of Continuing
Education

Search



Login ▾

Courses and Programs ▾

Enrolment ▾

Students ▾

Services and Support ▾

Contact Us ▾

Early Childhood Mental Health and Well-Being

 Course Series

This course series can be completed entirely online.

This program offers professionals in the field of early learning and care the opportunity to enhance professional practice skills related to child and family health, well-being, early intervention, and inclusive practices. Students will critically explore frameworks, theories, and practices – both current and evolving – as they relate to the children and families with whom they work.

Who Should Enrol?



Program Design




Course Series Requirements



- Successful completion of 1 required course
- Successful completion of 2 electives*

*You may choose to focus on a specific area to achieve your individual goals. The electives may be grouped as follows:

Health and Well-Being: [CCLD 444](#), [CCLD 446](#)
Professional Practice: [CCLD 442](#), [CCLD 445](#)

Those who successfully complete this course series are eligible to earn a Professional Development Award from The G. Raymond Chang School of Continuing Education. Once you have successfully completed the courses, submit the [Request for Professional Development Award \(PDA\) form](#)  with your name, student number, and the course series you have completed. Upon verification, you will receive your professional development award within 4 to 6 weeks.

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Required Course



[CCLD 342 Assessment for Programming](#)

Next Offered: Fall 2022

Electives (select 2)



[CCLD 442 Infant Mental Health](#)

Next Offered: Fall 2022

[CCLD 444 Therapies for Young Children](#)

Next Offered: Fall 2022

[CCLD 445 Inclusion and Consultation](#)

Next Offered: Spring/Summer 2022

[CCLD 446 Children and Chronic Illness](#)

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The Chang School
of Continuing
Education

Search



Login ▾

[Courses and Programs ▾](#)

[Enrolment ▾](#)

[Students ▾](#)

[Services and Support ▾](#)

[Contact Us ▾](#)

EarlyON Child and Family Centres


 Course Series

Harness the knowledge and skills required by both professionals in early learning and family supports to fully engage families from diverse communities during this time of transition in Ontario. Explore the needs of the broader community to serve families and children through courses that address the growing demand for expanded understanding - integrating knowledge from the fields of early learning and family supports. You'll learn strategies to support families in programs and services, approaches to work effectively across diverse groups, and gain competencies in meeting the developmental needs of children from birth to 12 years of age.

This course series can be completed entirely online.

Course Series Requirements

- Successful completion of 2 required courses
- Successful completion of 1 elective

Those who successfully complete this course series are eligible to earn a Professional Development Award from The G. Raymond Chang School of Continuing Education. Once you have successfully completed the courses, submit the [Request for Professional Development Award \(PDA\) form](#)  with your name, student number, and the course series you have completed. Upon verification, you will receive your professional development award within 4 to 6 weeks.

Contact Us

Additional Details

Required Courses

[CVFS 401 Contemporary Family Issues](#)

Next Offered: Spring/Summer 2023

[CVFS 403 Family Supports Theory and Practice](#)

Next Offered: Winter 2023

Electives (select one)

[CVFS 406 Guiding Children's Development](#)

[CINT 900 Program Planning and Evaluation Strategies](#)

Next Offered: Fall 2022

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[Students ▾](#)

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Entrepreneurship and Small Business

 Course Series

The three courses required for this course series will provide an essential body of knowledge needed to start and/or grow a business venture within a multicultural context.

Course Series Requirements

- Successful completion of 3 required courses

Those who successfully complete this course series are eligible to earn a Professional Development Award from The G. Raymond Chang School of Continuing Education. Once you have successfully completed the courses, submit the [Request for Professional Development Award \(PDA\) form](#) with your name, student number, and the course series you have completed. Upon verification, you will receive your professional development award within 4 to 6 weeks.

Related Certificate

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Required Courses

You may only select one of CENT 526 or CENT 601.

[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



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[Students ▾](#)

[Services and Support ▾](#)

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Family Supports and Community Engagement


 Course Series

This course series addresses the growing demand for skills that expand and integrate knowledge for practitioners in the fields of early learning, family support, community engagement, and health-related sectors. It will also support learners working in diverse community-based programs.

Students will gain knowledge and competencies to address challenges experienced by contemporary families while promoting healthy child development. This course series also focuses on specific strategies to engage families in effective planning, problem-solving, and decision-making processes that will improve conditions of family and community well-being.

Course Series Requirements

- Successful completion of 2 required courses
- Successful completion of 1 elective

Those who successfully complete this course series are eligible to earn a Professional Development Award from The G. Raymond Chang School of Continuing Education. Once you have successfully completed the courses, submit the [Request for Professional Development Award \(PDA\) form](#)  with your name, student number, and the course series you have completed. Upon verification, you will receive your professional development award within 4 to 6 weeks.

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Required Courses

[CSWP 936 Community Engagement Practices](#)

Next Offered: Fall 2022

[CVFS 403 Family Supports Theory and Practice](#)

Next Offered: Winter 2023

Electives (select 1)

[CINT 905 Conflict Resolution in Community Services](#)

Next Offered: Spring/Summer 2022

[CSWP 935 Engaging Diverse Communities](#)

Next Offered: Fall 2022

[CVFS 401 Contemporary Family Issues](#)

Next Offered: Spring/Summer 2023

[CVFS 406 Guiding Children's Development](#)

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[Enrolment ▾](#)

[Students ▾](#)

[Services and Support ▾](#)

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Film Production Techniques Using Mobile Devices

 Course Series

The current trends in mobile devices have provided consumers and media professionals alike with the tools to capture imagery and audio in ways that have never existed before with such immediacy. Instruction will include topics such as visual story telling, techniques for fiction and documentary filmmaking, video production techniques for social and informal media, editing and advanced postproduction techniques, and video publishing techniques for distribution to various media.

Want to find out more about the **Course Series in Film Production Techniques Using Mobile Devices?** Express interest to connect with this program and receive updates.

Express interest 

This course series offers the following benefits:

- **Enrol right away – open admissions with no application required**
- **Take courses in any order – no prerequisites needed**
- **Earn a Professional Development Award on successful completion of all courses**
- **Exhibit your creative work through special events**
- **Apply for merit-based awards**

Equipment/Facilities Use

Please note that equipment and facilities use outside of class time will not be provided. **All course work requiring use of Ryerson equipment and facilities must be done during class time only.**

Course Series Requirements

- Successful completion of 4 required courses

Those who successfully complete this course series are eligible to earn a Professional Development Award from The G. Raymond Chang School of Continuing Education. Once you have successfully completed the courses, submit the [Request for Professional Development Award \(PDA\) form !\[\]\(93b2d622a3af072cd8d2cda4693909fc_img.jpg\)](#) with your name, student number, and the course series you have completed. Upon verification, you will receive your professional development award within 4 to 6 weeks.

Peter Gerretsen Film Awards

Contact Us

Required Courses (select 4)

[CDMP 350 Visual Story Telling](#)

[CDMP 351 Filmmaking Techniques](#)

[CDMP 352 Video Productions Techniques](#)

[CDMP 353 Film Editing Techniques](#)

[CDMP 354 Advanced Post-Production](#)

[CDMP 355 Video Publishing Techniques](#)

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[Courses and Programs ▾](#)

[Enrolment ▾](#)

[Students ▾](#)

[Services and Support ▾](#)

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Financial Predictive Data Analytics

 Course Series

Learn to analyze financial data and statistics, forecast financial predictions, and execute real-world, predictive financial analysis projects (including querying financial data using R and Python) to provide evidence-based financial decision-making.

No previous background is required.

This is an Open Admission program to help you advance or change your career. Those who successfully complete this 3 course program are eligible to earn a Professional Development Award from The G. Raymond Chang School of Continuing Education.

What Will You Learn?



Who Should Enrol?



Who Teaches the Courses?



Industry and Careers



Recommended Course Sequence



Students may only select one of CIND 123, CMTH 304, or CMTH 380.
Students may only select one of CMTH 404 or CMTH 480.

Term 1 (*Select two*)

- [CIND 123](#)
- [CMTH 304](#)
- [CMTH 380](#)
- [CMTH 404](#)
- [CMTH 480](#)


Term 2

- [CMTH 501](#)

Course Series Requirements



- Successful completion of 1 required course
- Successful completion of 2 electives

Those who successfully complete this course series are eligible to earn a Professional Development Award from The G. Raymond Chang School of Continuing Education. Once you have successfully completed the courses, submit the [Request for Professional Development Award \(PDA\) form](#)  with your name, student number, and the course series you have completed. Upon verification, you will receive your professional development award within 4 to 6 weeks.

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Required Course



[CMTH 501 Numerical Analysis I](#)

Next Offered:Spring/Summer 2022

Electives (select 2)



[CIND 123 Data Analytics: Basic Methods](#)

Next Offered:Spring/Summer 2022

[CMTH 304 Probability and Statistics I](#)

[CMTH 380 Probability and Statistics I](#)

Next Offered:Spring/Summer 2022

[CMTH 404 Probability and Statistics II](#)

[CMTH 480 Probability and Statistics II](#)

Next Offered:Fall 2022

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[Courses and Programs ▾](#)

[Enrolment ▾](#)

[Students ▾](#)

[Services and Support ▾](#)

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Fine Art Practice

 Course Series

This program is an opportunity to develop practical fine art skills and gain knowledge of art history. The studio courses cover drawing, graphic design, animation, and drafting for set design. The art history courses cover prehistoric to modern art.

This course series 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
- Earn a Professional Development Award on successful completion of all courses
- Use applicable courses towards the [Certificate in Design for Arts and Entertainment](#), the [Certificate in Digital Art Production](#), the [Certificate in Film Studies](#), the [Certificate in Image Arts](#), or the [Certificate in Fashion Coordination and Styling](#)
- Apply for merit-based awards

Course Series Requirements



Contact Us



Required Courses (select 3)



[CDFA 104 Fashion Drawing I](#)

[CDID 170 Drafting for Entertainment](#)

[CFPN 534 Graphic Design](#)

Next Offered: Fall 2022

[CFPN 541 Digital Animation Concepts](#)

Next Offered: Fall 2022

[CMPC 101 Visual Studies I](#)

Next Offered: Fall 2022

[CMPC 103 Art and the Classical Tradition](#)

Next Offered: Fall 2022

[CMPC 203 Art in the Modern World](#)

Next Offered: Winter 2023

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Education

Search



Login

Courses and Programs

Enrolment

Students

Services and Support

Contact Us

Gender and Sexuality

Course Series

Explore critical and theoretical perspectives on gender and sexuality through this course series. Choose from a variety of courses that will deepen your understanding of the important interrelationships of gender, sexuality, and society.

What Will You Learn?



Who Should Take This Course Series?



Course Series Requirements



- Successful completion of 1 required course
- Successful completion of 2 electives

Those who successfully complete this course series are eligible to earn a Professional Development Award from The G. Raymond Chang School of Continuing Education. Once you have successfully completed the courses, submit the [Request for Professional Development Award \(PDA\) form](#) with your name, student number, and the course series you have completed. Upon verification, you will receive your professional development award within 4 to 6 weeks.

Contact Us.



Required Course



[CSOC 633 Sex, Gender Identities, and Sexualities](#)

Next Offered: Fall 2022

Electives (select 2)



[CCRM 515 Gendering Justice](#)

[CENG 602 Women's Writing](#)

Next Offered: Fall 2022

[CFNF 400 The Social Context of Human Sexuality](#)

Next Offered: Fall 2022

[CFNY 409 Gender and Food Security](#)

Next Offered: Fall 2022

[CHST 658 Sex in the City](#)

Next Offered: Spring/Summer 2022

[CINT 906 Sexuality: Power and Pleasure](#)

Next Offered: Spring/Summer 2022

[CPHL 606 Philosophy of Love and Sex](#)

Next Offered: Fall 2022

[CPOL 501 Women, Power and Politics](#)

Next Offered: Spring/Summer 2022

[CSOC 885 Women and Islam](#)

Next Offered: Fall 2022

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[Enrolment ▾](#)

[Students ▾](#)

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Health Ethics

 Course Series

Students will be provided with opportunities for exploring and examining ethical considerations in health and healthcare systems.

Course Series Requirements

- Successful completion of 3 required courses

Those who successfully complete this course series are eligible to earn a Professional Development Award from The G. Raymond Chang School of Continuing Education. Once you have successfully completed the courses, submit the [Request for Professional Development Award \(PDA\) form](#) with your name, student number, and the course series you have completed. Upon verification, you will receive your professional development award within 4 to 6 weeks.

Related Certificate

Contact Us

Required Courses

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

[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](#)

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Search



Login ▾

[Courses and Programs ▾](#)

[Enrolment ▾](#)

[Students ▾](#)

[Services and Support ▾](#)

[Contact Us ▾](#)

Health Informatics

 Course Series

Students will be introduced to the basic concepts of health informatics from both the information technology and health systems perspectives.

Course Series Requirements

- Successful completion of 3 required courses

Those who successfully complete this course series are eligible to earn a Professional Development Award from The G. Raymond Chang School of Continuing Education. Once you have successfully completed the courses, submit the [Request for Professional Development Award \(PDA\) form](#) with your name, student number, and the course series you have completed. Upon verification, you will receive your professional development award within 4 to 6 weeks.

Related Certificate

Contact Us

Required Courses (select 3)

[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

[CLAW 402 Health Information Access and Privacy](#)

Next Offered:Winter 2023

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Search



Login ▾

[Courses and Programs ▾](#)

[Enrolment ▾](#)

[Students ▾](#)

[Services and Support ▾](#)

[Contact Us ▾](#)

Health Services Management


 Course Series

Students will be introduced to the basic principles of health services management.

This course series can be completed entirely online.

Course Series Requirements

- Successful completion of 3 required courses

Those who successfully complete this course series are eligible to earn a Professional Development Award from The G. Raymond Chang School of Continuing Education. Once you have successfully completed the courses, submit the [Request for Professional Development Award \(PDA\) form](#)  with your name, student number, and the course series you have completed. Upon verification, you will receive your professional development award within 4 to 6 weeks.

Related Certificate

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Required Courses

[CHSM 301 The Healthcare Systems](#)

Next Offered: Fall 2022

[CHSM 305 The Management Cycle](#)

Next Offered: Fall 2022

[CHSM 437 Human Resources Management in Healthcare](#)

Next Offered: Fall 2022

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Search



Login ▾

[Courses and Programs ▾](#)

[Enrolment ▾](#)

[Students ▾](#)

[Services and Support ▾](#)

[Contact Us ▾](#)

Immigration and Settlement Studies

 Course Series

This course series provides students with the knowledge and skills needed to serve immigrants and their families directly, create policy related to that service, or create a supportive workplace environment for diverse populations.

Course Series Requirements

- Successful completion of 3 required course
- Successful completion of 1 elective

Those who successfully complete this course series are eligible to earn a Professional Development Award from The G. Raymond Chang School of Continuing Education. Once you have successfully completed the courses, submit the [Request for Professional Development Award \(PDA\) form](#) with your name, student number, and the course series you have completed. Upon verification, you will receive your professional development award within 4 to 6 weeks.

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Required Courses

[CINT 913 Issues of Migration](#)

Next Offered: Fall 2022

[CINT 914 Settlement Experiences](#)

Next Offered: Fall 2022

[CINT 915 Responses to Migration](#)

Next Offered: Winter 2023

Electives (select 1)

[CECN 640 Economics of Immigration](#)

[CGEO 691 Canadian Immigration: Patterns and Place](#)

[CINT 905 Conflict Resolution in Community Services](#)

Next Offered: Spring/Summer 2022

[CMHR 600 Diversity and Inclusion in the Workplace](#)

[CMHR 700 Cross-Cultural Dimensions of Organizational Behaviour](#)

[CPSY 620 Psychology of Immigration](#)

[CPSY 941 Cross Cultural Psychology](#)

[CSOC 474 Immigration, Borders and Belonging](#)

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[Courses and Programs ▾](#)

[Enrolment ▾](#)

[Students ▾](#)

[Services and Support ▾](#)

[Contact Us ▾](#)

Inclusive Media: Real-time Closed Captioning and Audio Description/Described Video

 Course Series

The Chang School's Course Series in Inclusive Media



Required Courses (select 4) —

[CDIM 100 Inclusive Media and Regulations](#)

[CDIM 101 Respeaking for Live Captioning](#)

[CDIM 102 Audio Description](#)

[CDIM 103 Advanced CC and Intro to NER](#)

[CDIM 104 Audio Description Advanced](#)

Learn how to use the latest live closed captioning (CC) and audio description/described video (AD/DV) techniques and technologies to create inclusive and accessible broadcast content for a variety of audiences. Through hands-on training and theoretical learning, explore CC and AD/DV software tools, script writing and re-speaking techniques, and relevant industry regulations and legislation. Industry experts will help you develop both fundamental and advanced skills for this growing field.

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 ↗](#)

This course series offers the following benefits:

- **Enrol right away – open admissions with no application required**
- **Earn a Professional Development Award on successful completion of all required courses**
- **Apply for merit-based awards**

What Makes Our Program Unique?



Who Teaches the Courses?



Advisory Committee Members



Course Series Requirements



- Successful completion of 4 required courses

Those who successfully complete this course series are eligible to earn a Professional Development Award from The G. Raymond Chang School of Continuing Education. Once you have successfully completed the courses, submit the [Request for Professional Development Award \(PDA\) form](#) with your name, student number, and the course series you have completed. Upon verification, you will receive your professional development award within 4 to 6 weeks.

Frequently Asked Questions



Intensive Option



Inclusive Media in the Media



Presentations



Testimonials



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Search



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[Courses and Programs ▾](#)

[Enrolment ▾](#)

[Students ▾](#)

[Services and Support ▾](#)

[Contact Us ▾](#)

Intercultural Communication in the Canadian Workplace (ICCW)

 Course Series

The Intercultural Communication in the Canadian Workplace (ICCW) course series is offered by the [Workplace Communication in Canada \(WCC\)](#) Program.

The WCC Program offers on- and off-campus courses designed to help internationally and Canadian-trained individuals develop the intercultural communication and soft skills necessary for meaningful employment and career mobility in the Canadian labour market.

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 ↗](#)

Required Courses —

- [CDCE 305 Intro to Intercultural Communication](#)
- [CDCE 306 Managing Workplace Relationships](#)
- [CDCE 307 Wking with Culturally Diverse Clients](#)
- [CDCE 308 Cross Cultural Teamwork](#)

Course Series Requirements —

- Successful completion of 4 required courses

Those who successfully complete this course series are eligible to earn a Professional Development Award from The G. Raymond Chang School of Continuing Education. Once you have successfully completed the courses, email the Workplace Communication in Canada (WCC) program at wcc@ryerson.ca with your name, student number, and the course series you have completed. Upon verification, you will receive your professional development award.

Supplementary Course +

Contact Us +

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[Enrolment ▾](#)

[Students ▾](#)

[Services and Support ▾](#)

[Contact Us ▾](#)

Interdisciplinary Conflict Resolution and Team Building

 Course Series

This course series provides health and community services professionals and students with the knowledge and skills to work in interdisciplinary teams with a specific focus on understanding the nature of conflict and its root causes as well as team building. Students will explore a range of conflict resolution methods, approaches, and strategies. The relationship between conflict, conflict resolution, and issues of diversity will be addressed. The interpersonal skills and personal and professional values that impact on working in teams and the dynamics of an effective team will also be considered.

Course Series Requirements

- Successful completion of 2 required course
- Successful completion of 1 elective

Those who successfully complete this course series are eligible to earn a Professional Development Award from The G. Raymond Chang School of Continuing Education. Once you have successfully completed the courses, submit the [Request for Professional Development Award \(PDA\) form](#) with your name, student number, and the course series you have completed. Upon verification, you will receive your professional development award within 4 to 6 weeks.

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Required Courses

[CINT 905 Conflict Resolution in Community Services](#)

Next Offered:Spring/Summer 2022

[CINT 907 Team Work for Community Services](#)

Next Offered:Fall 2022

Electives (select 1)

[CINT 920 Community Collaborations](#)

Next Offered:Fall 2022

[CINT 921 Writing Bodies Differently](#)

Next Offered:Fall 2022

[CSWP 935 Engaging Diverse Communities](#)

Next Offered:Fall 2022

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Search



Login

Courses and Programs

Enrolment

Students

Services and Support

Contact Us

Interdisciplinary Studies: Community Partnerships

Course Series

[View the recording of the Interdisciplinary Studies webinar.](#)

Interdisciplinary Studies Webinar



This program provides health and community services professionals and students with the knowledge and skills to build interdisciplinary community partnerships and to understand the challenges of developing and sustaining such partnerships. Through practical examples and case studies, students will develop community facilitation skills.

Who Should Enrol?



Program Design



Course Series Requirements



- Successful completion of 2 required courses

Those who successfully complete this course series are eligible to earn a Professional Development Award from The G. Raymond Chang School of Continuing Education. Once you have successfully completed the courses, submit the [Request for Professional Development Award \(PDA\) form](#) with your name, student number, and the course series you have completed. Upon verification, you will receive your professional development award within 4 to 6 weeks.

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Required Courses

[CINT 917 Interprof. Ed. for Community Development](#)

Next Offered: Spring/Summer 2023

[CINT 920 Community Collaborations](#)

Next Offered: Fall 2022



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[Courses and Programs ▾](#)


[Enrolment ▾](#)

[Students ▾](#)

[Services and Support ▾](#)

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Interdisciplinary Studies: Interdisciplinary Program Management

 Course Series

[View the recording of the Interdisciplinary Studies webinar. !\[\]\(245070dc0eacdf49ea4f386fb5d9905d_img.jpg\)](#)

Interdisciplinary Studies Webinar



This program provides health and community services professionals and students with the knowledge and skills to plan and/or fundraise in various interdisciplinary team roles with a specific focus on health care managerial skills.

Who Should Enrol?



Program Design



Course Series Requirements



- Successful completion of 1 required course
- Successful completion of 1 elective

Those who successfully complete this course series are eligible to earn a Professional Development Award from The G. Raymond Chang School of Continuing Education. Once you have successfully completed the courses, submit the [Request for Professional Development Award \(PDA\) form !\[\]\(d74859755ff1eeaba5180cd302fe2a6a_img.jpg\)](#) with your name, student number, and the course series you have completed. Upon verification, you will receive your professional development award within 4 to 6 weeks.

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Required Course



[CINT 900 Program Planning and Evaluation Strategies](#)

Next Offered: Fall 2022

Electives (select 1)



[CINT 904 Health Promotion and Community Development](#)

Next Offered: Fall 2022

[CINT 916 Introduction to Fundraising](#)

Next Offered: Fall 2022

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Search



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[Enrolment ▾](#)

[Students ▾](#)

[Services and Support ▾](#)

[Contact Us ▾](#)

Interdisciplinary Studies: International Field Experience

 Course Series

[View the recording of the Interdisciplinary Studies webinar.](#) 


Interdisciplinary Studies Webinar



This program provides health and community services professionals and students with the opportunity to explore various approaches which have been used in local, bottom-up developments as well as some tools which are now available to assist the community development facilitator. It will allow them to deepen their understanding of development issues and to experience part of their learning in an interdisciplinary, international, and intercultural setting.

Course Series Requirements

- Successful completion of 2 required courses

Those who successfully complete this course series are eligible to earn a Professional Development Award from The G. Raymond Chang School of Continuing Education. Once you have successfully completed the courses, submit the [Request for Professional Development Award \(PDA\) form](#)  with your name, student number, and the course series you have completed. Upon verification, you will receive your professional development award within 4 to 6 weeks.

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Required Courses

[CINT 911 International Community Development](#)

Next Offered: Winter 2023

[CINT 912 Community Development: International Field Experience](#)

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Search



Login

Courses and Programs

Enrolment

Students

Services and Support

Contact Us

Internationally Trained Health Professionals (ITHP) bridging program (formerly ITMD - Internationally Trained Medical Doctors program)

Course Series

Internationally educated health professionals are highly skilled individuals with a breadth of knowledge and experience. With the right tools, skills, and support to help guide them, they can gain meaningful employment in the Canadian healthcare sector. Our ITHP bridging program provides internationally educated professionals with Canadian-specific education and skills required to gain employment and hands-on support to ensure their success. This unique opportunity helps learners attain non-licensed healthcare employment in areas such as health research, health informatics, data analysis, and health administration (alternative careers in healthcare). Learners obtain more than just in-demand skills and knowledge – they are provided a supportive bridge to building a successful future in Canada.



Apply Now

Get Connected

This program offers continuous learners the opportunity to register in one of three specialized healthcare streams:

1. Long-term Care and Ethics in Healthcare
2. Health Research/Data Analytics in Healthcare/ Health Informatics
3. Health Administration

Learners in each stream are required to take three to five courses, which includes courses in Job Search Strategies and Communications. The program also provides job search support to assist in finding future employment and an optional four to six-week work placement.

Industry and Careers

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

- Case manager
- Clinical administrator
- Clinical research associate
- Health and nutrition advisor
- Health services coordinator
- Health services scheduling coordinator

Long-term Care and Ethics in Healthcare

[CHSM 301 The Healthcare Systems](#)

Next Offered:Fall 2022

[CHSM 307 Principles of Long Term Care Service Del.](#)

Next Offered:Winter 2023

[CPHL 302 Ethics and Health Care](#)

Next Offered:Fall 2022

[CINT 901 Gerontology: Critical Issues and Future Trends](#)

Next Offered:Fall 2022

Health Research / Data Analytics in Healthcare

[CHSM 301 The Healthcare Systems](#)

Next Offered:Fall 2022

[CHIM 301 Healthcare Information Analysis](#)

Next Offered:Fall 2022

[CHIM 305 Introduction to Health Informatics](#)

Next Offered:Fall 2022

[CHIM 408 Statistics for Health Services Managers](#)

Next Offered:Winter 2023

Health Administration

[CHSM 301 The Healthcare Systems](#)

Next Offered:Fall 2022

[CLAW 122 Business Law](#)

Next Offered:Fall 2022

[CLAW 402 Health Information Access and Privacy](#)

Next Offered:Winter 2023

- Patient services scheduling coordinator

- Hospital administrator
- Medical associate
- Patient services representative
- Public health specialist
- Research assistant/associate

Who Should Take This Course Series?

Internationally educated healthcare professionals who are looking to reconfigure their existing professional knowledge to gain meaningful employment in non-licensed jobs within the healthcare sector in Canada.

What Will You Learn?

You will gain the following from this program:

- Increased knowledge of the Ontario healthcare system
- Canadian-specific job search strategies to help you secure future employment
- Work placements or work integrated learning opportunities
- Professional communication training to strengthen your communication and interview skills
- The opportunity to work towards a certificate

Course Series Requirements

- A minimum of three courses from any healthcare streams
- One communications course
- An optional work placement
- One job search course

Note: CHSM 301 is a prerequisite for CHIM 301 and CHIM 303 and CLAW 122 is a prerequisite for CLAW 402.

How to Apply

Professional Development Awards

Awards and Financial Aid

Contact Us

[CHIM 303 Intro to Health Coding Classification](#)

Next Offered:Spring/Summer 2023

[CHSM 437 Human Resources Management in Healthcare](#)

Next Offered:Fall 2022

Communications

[CDCE 400 Exploring Leadership Skills](#)

[CCMN 279 Introduction to Professional Communication](#)

Next Offered:Fall 2022

Job Search & Placement Preparation

[CDCE 600 Job Search Strategies](#)

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[Courses and Programs ▾](#)

[Enrolment ▾](#)

[Students ▾](#)

[Services and Support ▾](#)

[Contact Us ▾](#)


Introduction to Health Data Analytics

 Course Series

This program is designed for students who want to fill gaps in their professional health background to achieve greater professional development and/or transition careers into the health field. The demand for healthcare professionals with data analytical skills is growing in both health-specific and health-related fields, especially with the increase in accountability policies and the requirement of many health graduate programs that students have courses in this area to be admitted.

Course Series Requirements

- Successful completion of 3 required courses

Those who successfully complete this course series are eligible to earn a Professional Development Award from The G. Raymond Chang School of Continuing Education. Once you have successfully completed the courses, submit the [Request for Professional Development Award \(PDA\) form](#)  with your name, student number, and the course series you have completed. Upon verification, you will receive your professional development award within 4 to 6 weeks.

Related Certificate

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Required Courses

[CHIM 301 Healthcare Information Analysis](#)

Next Offered: Fall 2022

[CHIM 408 Statistics for Health Services Managers](#)

Next Offered: Winter 2023

[CHSM 301 The Healthcare Systems](#)

Next Offered: Fall 2022


Introduction to Privacy, Access, and Information Management

Course Series

In our current data-driven economy, the rapid proliferation of emerging technologies poses significant implications with the regard to the protection of personal data and access to information. This program equips learners from all sectors with the foundational knowledge and skills needed to navigate the complex and often unpredictable world of privacy and access.

Course Series Requirements

- Successful completion of 3 required courses

Those who successfully complete this course series are eligible to earn a Professional Development Award from The G. Raymond Chang School of Continuing Education. Once you have successfully completed the courses, submit the [Request for Professional Development Award \(PDA\) form](#)  with your name, student number, and the course series you have completed. Upon verification, you will receive your professional development award within 4 to 6 weeks.

Required Courses

[CLAW 401 Information Access and Privacy Protection](#)

Next Offered: Fall 2022

[CZIT 427 Data and Info. Mgmt for Privacy](#)

Next Offered: Winter 2023

[CZLW 327 Privacy By Design](#)

Next Offered: Fall 2022

Related Certificate



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Introductory Accounting

 Course Series

This course series provides students interested in developing accounting skills with essential introductory accounting knowledge.

Course Series Requirements

The professional development award may be achieved in one of the following ways:

- Successful completion of courses in Option 1 (CACC 110 and CACC 410)

OR

- Successful completion of courses in Option 2 (CACC 100, CACC 333, and CACC 406)

Those who successfully complete this course series are eligible to earn a Professional Development Award from The G. Raymond Chang School of Continuing Education. Once you have successfully completed the courses, submit the [Request for Professional Development Award \(PDA\) form](#) with your name, student number, and the course series you have completed. Upon verification, you will receive your professional development award within 4 to 6 weeks.

Related Certificate

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Required Courses (Option 1)

The professional development award may be achieved by completing all courses in either this Option or Option 2.

[CACC 110 Financial Accounting](#)

Next Offered: Fall 2022

[CACC 410 Management Accounting](#)

Next Offered: Fall 2022

Required Courses (Option 2)

The professional development award may be achieved by completing all courses in either this Option or Option 1.

[CACC 100 Introductory Financial Accounting](#)

Next Offered: Fall 2022

[CACC 333 Core Concepts of Accounting](#)

Next Offered: Spring/Summer 2023

[CACC 406 Introductory Management Accounting](#)

Next Offered: Fall 2022

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Leadership in Accessibility and Inclusion

 Course Series

Increase inclusion and optimize accessibility in your workplace and community. This course series provides a foundation of knowledge on accessibility and inclusion and builds on this through courses on legislation, digital accessibility, employment, and public space design.

An experiential learning capstone course -- a project-based opportunity in the community provides the opportunity to apply the concepts and knowledge gained through your studies. Expand on your first hand experience with policy and organizational changes and build marketable hands-on experience as you build your personal network in the community.

This course series can be completed entirely online.

Learning Outcomes



Who Should Enrol?




Testimonial



Course Series Requirements



- Successful completion of 3 required courses
- Successful completion of 1 elective

Those who successfully complete this course series are eligible to earn a Professional Development Award from The G. Raymond Chang School of Continuing Education. Once you have successfully completed the courses, submit the [Request for Professional Development Award \(PDA\) form](#)  with your name, student number, and the course series you have completed. Upon verification, you will receive your professional development award within 4 to 6 weeks.

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Required Courses



[CVAS 100 Accessibility and Compliance Awareness](#)

[CVAS 110 Accessibility Standards](#)

[CVAS 500 Field Experience: Capstone](#)

Electives (select one)



[CVAS 200 Introducing Digital Accessibility](#)

[CVAS 210 Recruitment, Training, and Employment](#)

[CVAS 230 Public Spaces](#)

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Courses and Programs

Enrolment

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Services and Support

Contact Us

Marketing Innovation

 Course Series

Canada's competitiveness in the world depends on the ability to innovate. Having a good idea is not enough to be successful and there are specialized skills required to bring a new product or service to market. This program is for students interested in the development and marketing of new products and services.

Course Series Requirements

- Successful completion of 3 required courses
- Successful completion of 1 elective

Those who successfully complete this course series are eligible to earn a Professional Development Award from The G. Raymond Chang School of Continuing Education. Once you have successfully completed the courses, submit the [Request for Professional Development Award \(PDA\) form](#) with your name, student number, and the course series you have completed. Upon verification, you will receive your professional development award within 4 to 6 weeks.

Related Certificate

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Required Courses

[CMKT 300 Marketing Metrics and Analysis](#)

Next Offered: Fall 2022

[CMKT 400 Understanding Consumers and the New Media](#)

Next Offered: Fall 2022

[CMKT 730 Assessing/Managing Market Opportunities](#)

Electives (select 1)

[CMKT 500 Marketing Research](#)

Next Offered: Fall 2022

[CMKT 510 Innovations in Marketing](#)

Next Offered: Fall 2022

[CMKT 535 Integrated Marketing Communications](#)

[CMKT 723 Services Marketing](#)

Next Offered: Fall 2022

[CMKT 731 Competitive Intelligence](#)

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[Students ▾](#)

[Services and Support ▾](#)

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Marketing Research

 Course Series

This program provides various techniques to measure marketing performance in organizations; it introduces the use of theories of social sciences and metrics to allow marketers to understand, analyze, and respond to consumer needs in the digital age. Students will learn how to effectively prepare, analyze, and interpret large databases and use both qualitative and quantitative tools to make strategic and sound marketing decisions.

Course Series Requirements

- Successful completion of 3 required courses

Those who successfully complete this course series are eligible to earn a Professional Development Award from The G. Raymond Chang School of Continuing Education. Once you have successfully completed the courses, submit the [Request for Professional Development Award \(PDA\) form](#)  with your name, student number, and the course series you have completed. Upon verification, you will receive your professional development award within 4 to 6 weeks.

Related Certificate

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Required Courses

You may only select one of CMKT 400 or CMKT 700.

[CMKT 300 Marketing Metrics and Analysis](#)

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 700 Business Intelligence/Decision Modeling](#)

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Paediatric Health Assessment

 Course Series

These courses will build on nurses’ existing health assessment expertise by providing advanced knowledge and specific skills for the assessment of infants, children, and adolescents. Nurses will have the opportunity to broaden their expertise with system-specific assessment approaches across all paediatric developmental stages and diverse healthcare needs. This course series includes a course held at the state-of-the-art SickKids Simulation Lab.

| | |
|---|---|
| Who Should Enrol | + |
| Learning Outcomes | + |
| Course Delivery | + |
| About Our Course Development Team | + |
| Course Series Requirements | — |
| <div><ul style="list-style-type: none">Successful completion of 2 required courses<p>Those who successfully complete this course series are eligible to earn a Professional Development Award from The G. Raymond Chang School of Continuing Education. Once you have successfully completed the courses, submit the Request for Professional Development Award (PDA) form  with your name, student number, and the course series you have completed. Upon verification, you will receive your professional development award within 4 to 6 weeks.</p></div> | |
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Required Courses —

[CVNU 113 Paediatric Health Assessment](#)

[CVNU 114 Paediatric Health Assessment Workshop](#)

Next Offered: Fall 2022

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[Students ▾](#)

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Patient Safety and Nursing Informatics

 Course Series

This program blends the concepts of nursing informatics as a specialty nursing practice and its impact on promoting safe patient care within the context of clinical information and technology. The program will be of interest to nurses who are seeking to broaden their frontline and leadership experience and expertise in nursing informatics.

Course Series Requirements

- Successful completion of 2 required courses

Those who successfully complete this course series are eligible to earn a Professional Development Award from The G. Raymond Chang School of Continuing Education. Once you have successfully completed the courses, submit the [Request for Professional Development Award \(PDA\) form](#)  with your name, student number, and the course series you have completed. Upon verification, you will receive your professional development award within 4 to 6 weeks.

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Required Courses

[CHSM 301 The Healthcare Systems](#)

Next Offered: Fall 2022

[CVNU 322 Computer and Information Management in Nursing](#)

Next Offered: Fall 2022

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Professional Healthcare Careers Foundations

 Course Series

Meet your academic university undergraduate degree course requirements to apply for entrance to healthcare career professional schools, namely: medical school, veterinary school, dentistry school, pharmacy school, midwifery school, physical therapy school, optometry school, osteopathy school, podiatry school, speech pathology, and graduate programs including environmental biology and biomedical sciences/engineering.

No previous background required. This course series is completed in class.

This is an Open Admissions program to help you advance or change your career. Those who successfully complete this three-course program are eligible to earn a Professional Development Award from The G. Raymond Chang School of Continuing Education.

What Will You Learn?



Who Should Enrol?



Who Teaches the Courses?



Industry and Careers



Recommended Sequence



You may take all three courses in one term or take them in combination over the number of terms you prefer. Here is one recommended approach:

Term 1

Two courses from any stream under the Required Courses list.

Term 2

Any one course in any of the streams from the Required Courses list.

Course Series Requirements




- Successful completion of 3 required courses

*You may choose to focus on a specific area to achieve your individual goals. The electives may be grouped as follows:

Biology: [CBLG 10A](#) and [CBLG 10B](#), [CBLG 143](#), [CBLG 144](#), [CBLG 151](#), [CBLG 311](#)

Chemistry: [CCHY 103](#), [CCHY 242](#), [CCHY 381](#), [CKCH 107](#), [CKCH 113](#), [CKCH 142](#), [CKCH 143](#), [CKCH 225](#), [CKCH 227](#)

Those who successfully complete this course series are eligible to earn a Professional Development Award from The G. Raymond Chang School of Continuing Education. Once you have successfully completed the courses, submit the [Request for Professional Development Award \(PDA\) form](#)  with your name, student

Required Courses (select 3)



CBLG 10A is a multi-term course. If you enrol in CBLG 10A for the selected term, you will automatically be enrolled in CBLG 10B 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.

If you wish to pursue CKCH 113, you must also select CKCH 107 as together these courses are equivalent to CHY 113.

If you wish to pursue CKCH 142, you must also select CKCH 143 as together these courses are equivalent to CHY 142.

If you wish to pursue CKCH 225, you must also select CKCH 227 as together these courses are equivalent to BCH 261.

[CBLG 143 Biology I](#)

Next Offered:Spring/Summer 2023

[CBLG 144 Biology II](#)

Next Offered:Winter 2023

[CBLG 151 Microbiology I](#)

Next Offered:Fall 2022

[CBLG 311 Cell Biology](#)

Next Offered:Fall 2022

[CCHY 103 General Chemistry I](#)

Next Offered:Fall 2022

[CCHY 242 Organic Chemistry I](#)

Next Offered:Spring/Summer 2022

[CCHY 381 Physical Chemistry I](#)

[CKCH 107 General Chemistry Laboratory](#)

Next Offered:Winter 2023

[CKCH 113 General Chemistry II](#)

Next Offered:Winter 2023

[CKCH 142 Organic Chemistry I](#)

Next Offered:Fall 2022

[CKCH 143 Organic Chemistry Laboratory](#)

number, and the course series you have completed. Upon verification, you will receive your professional development award within 4 to 6 weeks.

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[Laboratory](#)

Next Offered:Fall 2022

[CKCH 225 Biochemistry I](#)

Next Offered:Winter 2023

[CKCH 227 Biochemistry Laboratory I](#)

Next Offered:Winter 2023

[CMTH 125 Mathematics for Professional Programs](#)

[CMTH 131 Modern Mathematics I](#)

[CMTH 207 Calculus and Computational Methods I](#)

Next Offered:Fall 2022

[CMTH 231 Modern Mathematics II](#)

[CMTH 304 Probability and Statistics I](#)

[CMTH 310 Calculus and Computational Methods II](#)

Next Offered:Winter 2023

[CMTH 404 Probability and Statistics II](#)

[CPCS 110 Physics](#)

Next Offered:Winter 2023

[CPCS 120 Physics I](#)

Next Offered:Winter 2023

[CPCS 130 Physics II](#)

Next Offered:Spring/Summer 2022

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Project and Workplace Budgets Coordination


 Course Series

This program is designed for individuals who wish to acquire the hardcore skill sets to carry out budgeting and coordination of a variety of projects in the workplace. It provides training in high demand skills such as budget creation, cost control, workplace budget management, mobile project management, and project oversight and execution.

Note: Advanced Excel skills will be taught in this program.

Course Series Requirements

- Successful completion of 1 required course
- Successful completion of 2 electives

Those who successfully complete this course series are eligible to earn a Professional Development Award from The G. Raymond Chang School of Continuing Education. Once you have successfully completed the courses, submit the [Request for Professional Development Award \(PDA\) form](#)  with your name, student number, and the course series you have completed. Upon verification, you will receive your professional development award within 4 to 6 weeks.

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Required Course (select 1)

[CKPM 217 Agile Project Management](#)

Next Offered: Fall 2022

[CTEC 210 Fundamentals of Project Management](#)

Next Offered: Fall 2022

Electives (select 2)

[CKCS 107 Data Analytics Through Excel](#)

[CKPM 212 Project Cost and Procurement Management](#)

Next Offered: Fall 2022

[CKPM 219 Mobile Project Management](#)

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Courses and Programs

Enrolment

Students

Services and Support

Contact Us

Project Management

Course Series

Learn the skills necessary to become a project management professional. If you are already working as a project manager, upskill and earn professional development units (PDUs) to maintain your professional credentials.

No previous background is required and this course series can be completed entirely online.

This is an **Open Admissions** program to help you advance or change your career. Those who successfully complete this three-course program are eligible to earn a Professional Development Award from The G. Raymond Chang School of Continuing Education.

This short course series is an excellent complement to the skills you may already possess as a professional.

Who Should Enrol?



Who Teaches the Courses?



Industry and Careers



Recommended Course Sequence



You may take all three courses in one term or take them in combination over a number of terms as you prefer.

Course Series Requirements



- Successful completion of 3 required courses*

*You may choose to focus on a specific area to achieve your individual goals. The electives may be grouped as follows:

Project Management Foundation: These courses cover the fundamentals of project management, planning and scheduling, and project management systems (Microsoft Project).

[CKPM 203](#), [CKPM 217](#), [CTEC 210](#)

Project Management Practitioner: These courses focus on managing risk and quality, as well as leading teams.

[CKPM 209](#), [CKPM 211](#), [CTEC 210](#)

Agile Project Management: To cater to entrepreneurial and digital environments, these courses present agile and emerging trends in project management.

[CKPM 217](#), [CKPM 219](#), [CTEC 210](#)

Those who successfully complete this course series are eligible to earn a Professional Development Award from The G. Raymond Chang School of Continuing Education. Once you have successfully completed the courses, submit the [Request for Professional Development Award \(PDA\) form](#) with your name, student

Required Courses (select 3)



[CKPM 203 Planning and Scheduling](#)

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 217 Agile Project Management](#)

Next Offered: Fall 2022

[CKPM 219 Mobile Project Management](#)

[CTEC 210 Fundamentals of Project Management](#)

Next Offered: Fall 2022

number, and the course series you have completed. Upon verification, you will receive your professional development award within 4 to 6 weeks.

Related Certificate

—

The courses in this program may be applied to the [Certificate in Project Management](#).

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Students ▾

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Research Methodologies and Program Evaluation

 Course Series

[View the recording of the Research Methodologies webinar.](#) 

Course Series in Research Methodologies and Program Evalu...



This program offers an introduction to quantitative and qualitative research methodologies from anti-oppression, anti-colonial, and anti-racism perspectives to social work students and community practitioners. Using these perspectives, participants will also acquire the skills necessary to design and evaluate social programs and their own practice.

Who Should Enrol?




Program Design



Course Series Requirements



- Successful completion of 3 required courses

Those who successfully complete this course series are eligible to earn a Professional Development Award from The G. Raymond Chang School of Continuing Education. Once you have successfully completed the courses, submit the [Request for Professional Development Award \(PDA\) form](#)  with your name, student number, and the course series you have completed. Upon verification, you will receive your professional development award within 4 to 6 weeks.

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Required Courses



[CSWP 538 Social Work Research: Part I](#)

Next Offered: Fall 2022

[CSWP 638 Social Work Research: Part II](#)

Next Offered: Winter 2023

[CSWP 932 Evaluating Social Work Practices](#)

Next Offered: Spring/Summer 2023

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Retail Buying

 Course Series

Students will examine the role of the buyer, the procurement process, and merchandise management. An exploration of in-store design, layout, and display options using space planning software will also be covered.

Course Series Requirements

- Successful completion of 2 required courses
- Successful completion of 1 elective

Those who successfully complete this course series are eligible to earn a Professional Development Award from The G. Raymond Chang School of Continuing Education. Once you have successfully completed the courses, submit the [Request for Professional Development Award \(PDA\) form](#) with your name, student number, and the course series you have completed. Upon verification, you will receive your professional development award within 4 to 6 weeks.

Related Certificate

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Required Courses

[CRMG 400 Merchandise Buying and Planning I](#)

Next Offered: Winter 2023

[CRMG 452 Visual Merchandising and Space Planning](#)

Next Offered: Fall 2022

Electives (select 1)

You may only select one of CRMG 806 or CRMG 909. If you intend to write the Category Management Certification Exam, you should take CRMG 806.

[CRMG 806 Retailer Perspectives on Category Management](#)

[CRMG 909 Merchandise Buying and Planning II](#)

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Retail Operations and Sales Management

 Course Series

Students will examine a variety of systems relevant to the retail environment through case studies and online discussions. Other topics will include teamwork, employee motivation, retail metrics, and meeting consumers’ needs.

Course Series Requirements

- Successful completion of 3 required courses

Those who successfully complete this course series are eligible to earn a Professional Development Award from The G. Raymond Chang School of Continuing Education. Once you have successfully completed the courses, submit the [Request for Professional Development Award \(PDA\) form](#)  with your name, student number, and the course series you have completed. Upon verification, you will receive your professional development award within 4 to 6 weeks.

Related Certificate

Contact Us

Required Courses

[CRMG 301 Retail Operations Management](#)

[CRMG 303 Managing the Retail Workplace](#)

Next Offered:Spring/Summer 2023

[CRMG 911 Retail Sales Management](#)

Next Offered:Winter 2023

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Science, Technology, Engineering, and Mathematics (STEM)

Course Series

Gain the knowledge to become a professional in science, technology, engineering, and math (STEM) in the private and public sectors. This could include professions in Information Technology (IT), research positions, entrepreneurship, and more.

If you are already in STEM, this is a chance to upskill your soft transferable skills while gaining in-demand professional skill sets such as: entrepreneurship, innovative venture start-ups management, critical thinking, problem-solving, solution-building and execution, and interpersonal workplace relationship-building skills.

This is an Open Admissions program to help you advance or change your career. Those who successfully complete this three-course program are eligible to earn a Professional Development Award from The G. Raymond Chang School of Continuing Education. No previous background is required and this course series can be completed entirely online, depending on your course selection.

This short course series is an excellent complement to the skills you may already possess as a professional.

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](#)

Required Course

[CDCE 305 Intro to Intercultural Communication](#)

[CDCE 306 Managing Workplace Relationships](#)

[CDCE 307 Wking with Culturally Diverse Clients](#)

[CDCE 308 Cross Cultural Teamwork](#)

[CENT 500 New Venture Startup](#)
Next Offered:Fall 2022

[CENT 526 Entrepreneurial Behaviour and Strategy](#)
Next Offered:Fall 2022

[CENT 601 Identifying Opportunities](#)
Next Offered:Fall 2022

Electives (select 2)

[CBLG 143 Biology I](#)
Next Offered:Spring/Summer 2023

[CBLG 144 Biology II](#)
Next Offered:Winter 2023

[CBLG 151 Microbiology I](#)
Next Offered:Fall 2022

[CBLG 699 Social Factors in Drug Development](#)
Next Offered:Fall 2022

[CCHY 103 General Chemistry I](#)
Next Offered:Fall 2022

[CCHY 183 Introduction to Forensic Sciences](#)
Next Offered:Spring/Summer 2022

[CCHY 242 Organic Chemistry II](#)
Next Offered:Spring/Summer 2022

[CCHY 381 Physical Chemistry I](#)
[CCHY 583 Alternative Energies](#)
Next Offered:Spring/Summer 2022

[CCPS 109 Computer Science I](#)
Next Offered:Spring/Summer 2022

[CCPS 305 Data Structures](#)
Next Offered:Spring/Summer 2022

| | |
|---|---|
| Who Should Enrol? | + |
| Who Teaches the Courses? | + |
| Industry and Careers | + |
| Recommended Sequence | — |
| This course series is composed of three courses: one required course and two electives (from one or more of the seven elective streams). You may take all three courses in one term or take them in combination over a number of terms as you prefer. | |
| Course Series Requirements | — |
| <ul style="list-style-type: none">Successful completion of 1 required courseSuccessful completion of 2 electives* <p>*You may choose to focus on a specific area to achieve your individual goals. The electives may be grouped as follows:</p> <p>Emergency Management: CSCI 232, CSCI 241</p> | |

Environmental Science Management and Science: [CKES 120](#), [CKES 170](#), [CKES 180](#), [CKES 210](#), [CKES 220](#)

Information Technology: [CCPS 109](#), [CCPS 305](#), [CCPS 311](#), [CCPS 393](#), [CKCS 160](#), [CKCS 230](#), [CKCS 231](#), [CKCS 232](#), [CKCS 234](#), [CDKF 110](#), [CDKF 120](#), [CDKF 130](#), [CDKF 140](#), [CDKF 145](#), [CKRE 110](#), [CKRE 120](#), [CKRE 130](#), [CMTH 304](#), [CMTH 404](#), [CMTH 642](#), [CSCI 130](#), [CSCI 243](#), [CZLW 120](#)

Lean Six Sigma Enterprise Continuity and Excellence and Sustainability: [CKSS 100](#), [CKSS 101](#), [CKSS 210](#), [CKSS 211](#), [CKSS 212](#)

Mathematics: [CMTH 500](#), [CMTH 501](#), [CMTH 600](#), [CMTH 700](#), [CMTH 800](#)

Organization Operations: [CKMT 104](#), [CSCI 232](#)

Science: [CBLG 143](#), [CBLG 144](#), [CBLG 151](#), [CBLG 699](#), [CCHY 103](#), [CCHY 183](#), [CCHY 242](#), [CCHY 381](#), [CCHY 583](#), [CKCH 107](#), [CKCH 113](#), [CKCH 142](#), [CKCH 143](#), [CKCH 216](#), [CKCH 217](#), [CKCH 223](#), [CKCH 224](#), [CKCH 227](#), [CKES 190](#), [CPCS 111](#), [CPCS 120](#), [CPCS 130](#), [CPCS 181](#), [CPCS 182](#), [CPCS 581](#)

Those who successfully complete this course series are eligible to earn a Professional Development Award from The G. Raymond Chang School of Continuing Education. Once you have successfully completed the courses, submit the [Request for Professional Development Award \(PDA\) form](#) [↗](#) with your name, student number, and the course series you have completed. Upon verification, you will receive your professional development award within 4 to 6 weeks.

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[CCPS 311 Object Oriented Programming and Design](#)

[CCPS 393 Introduction to UNIX, C and C++](#)

Next Offered:Spring/Summer 2022

[CKCH 107 General Chemistry Laboratory](#)

Next Offered:Winter 2023

[CKCH 113 General Chemistry II](#)

Next Offered:Winter 2023

[CKCH 143 Organic Chemistry Laboratory](#)

Next Offered:Fall 2022

[CKCH 142 Organic Chemistry I](#)

Next Offered:Fall 2022

[CKCH 216 Analytical Chemistry I](#)

[CKCH 217 Analytical Chemistry Laboratory I](#)

[CKCH 223 Analytical Chemistry II](#)

[CKCH 224 Analytical Chemistry Laboratory II](#)

[CKCH 227 Biochemistry Laboratory I](#)

Next Offered:Winter 2023

[CKCS 160 CEH and CCE Comp Sec Exam Prep](#)

[CKCS 230 Intro to SOLIDWORKS for 3-D Printing](#)

[CKCS 231 Product 3-D Animation/Rendering](#)

[CKCS 232 3-D Printing: Agile Prototyping](#)

[CKCS 233 Product Design for 3-D Printing](#)

[CKCS 234 Product Drawing for 3-D Printing](#)

[CKDF 110 Computer Network Security](#)

Next Offered:Fall 2022

[CKDF 120 Computer Cryptography and Digital Steganography](#)

Next Offered:Fall 2022

[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

[CKES 120 Environmental and Atmospheric Processes](#)

[CKES 170 Water Treatment](#)

[**CKES 180 Site Assessment**](#)

[**CKES 190 Renewable Energy and Green Technology**](#)

[**CKES 210 Applied Environmental Analysis**](#)

[**CKES 220 Environmental Law and Practice**](#)

[**CKMT 104 FRM Level I Exam Prep**](#)

[**CKRE 110 Digital Logic and Hardware Architecture**](#)

[**CKRE 120 Programming Robotics Systems**](#)

Next Offered:Spring/Summer 2023

[**CKRE 130 Embedded Systems Hardware Architecture and Implementation**](#)

[**CKSS 100 Fundamentals in Sustainability I**](#)

[**CKSS 101 Fundamentals in Sustainability II**](#)

Next Offered:Fall 2022

[**CKSS 210 Lean Six Sigma Contin Improvement**](#)

Next Offered:Winter 2023

[**CKSS 211 Lean Six Sigma Sust Bus Enterprise**](#)

[**CKSS 212 Lean Six Sigma Quality Assurance**](#)

[**CMTH 304 Probability and Statistics I**](#)

[**CMTH 404 Probability and Statistics II**](#)

[**CMTH 500 Introduction to Stochastic Processes**](#)

Next Offered:Fall 2022

[**CMTH 501 Numerical Analysis I**](#)

Next Offered:Spring/Summer 2022

[**CMTH 600 Computational Methods In Mathematics**](#)

[**CMTH 642 Data Analytics: Advanced Methods**](#)

Next Offered:Spring/Summer 2022

[**CMTH 700 Financial Mathematics I**](#)

[**CMTH 800 Financial Mathematics II**](#)

[**CPCS 111 Physics in the News**](#)

[**CPCS 120 Physics I**](#)

Next Offered:Winter 2023

[**CPCS 130 Physics II**](#)

Next Offered:Spring/Summer 2022

[**CPCS 181 Introduction to Astronomy**](#)

Next Offered:Spring/Summer 2022

[**CPCS 182 Life in the Milky Way**](#)

[CPCS 102 Life in the Milky Way Galaxy](#)

[CPCS 581 Advanced Topics in Astronomy](#)

Next Offered: Fall 2022

[CSCI 130 Mobile Robotic Devices Embedded Systems](#)

Next Offered: Fall 2022

[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 241 Planning for Emergency Management](#)

[CSCI 243 Continuity and Risk Management](#)

Next Offered: Fall 2022

[CZLW 120 Law for Forensics Professionals](#)

Next Offered: Spring/Summer 2023

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Scientific Research Policy and Ethics

Course Series

Learn to analyze and assess government science policy, drug development regulation, clinical trials practice, scientific project oversight, intellectual property, and/or the scientific and medical ethics required in order to advance to a professional leadership position.

No previous background is required.

This is an Open Admission program to help you advance or change your career. Those who successfully complete this three-course program are eligible to earn a Professional Development Award from The G. Raymond Chang School of Continuing Education.

This short course series is an excellent complement to the skills you may already possess as a professional.

What Will You Learn?



Who Should Enrol?



Who Teaches the Courses?



Industry and Careers



Recommended Course Sequence



You may take all courses in one term or take them in combination over the number of semesters you prefer. Here is one possible approach:

Term 1

Select two of the following:

- [CBLG 605](#)
- [CIND 123](#)
- [CKBG 120](#)
- [CPHL 509](#)

Term 2

Select one of the following:

- [CBLG 606](#)
- [CBLG 607](#)
- [CKBG 135](#)

Course Series Requirements



- Successful completion of 3 required courses

Those who successfully complete this course series are eligible to earn a Professional Development Award from The G. Raymond Chang School of Continuing Education. Once a learner successfully completes the course series, the [Professional Development Award](#) will be automatically added to their transcript.

Required Courses (select 3)



[CBLG 605 Science and Government Policy Development](#)

[CBLG 606 Intro to Clinical Research and Trials](#)

[CBLG 607 Intellectual Property in Science](#)

[CIND 123 Data Analytics: Basic Methods](#)

Next Offered:Spring/Summer 2022

[CKBG 120 Drug Development Regulations](#)

[CKBG 135 Pharma Project Best Practices](#)

[CPHL 509 Bioethics](#)

Next Offered:Fall 2022

Education. Once you have successfully completed the courses, submit the [Request for Professional Development Award \(PDA\) form](#) with your name, student number, and the course series you have completed. Upon verification, you will receive your professional development award within 4 to 6 weeks.

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Social Media Marketing

 Course Series

Marketing communications is in a state of transformation. This program is for students who want to learn more about how marketers can incorporate social media into their marketing plans and measure its impact; it integrates marketing metrics, marketing communications, and consumer behaviour.

Course Series Requirements

- Successful completion of 3 required courses

Those who successfully complete this course series are eligible to earn a Professional Development Award from The G. Raymond Chang School of Continuing Education. Once you have successfully completed the courses, submit the [Request for Professional Development Award \(PDA\) form](#)  with your name, student number, and the course series you have completed. Upon verification, you will receive your professional development award within 4 to 6 weeks.

Related Certificate

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Required Courses

[CMKT 300 Marketing Metrics and Analysis](#)

Next Offered: Fall 2022

[CMKT 400 Understanding Consumers and the New Media](#)

Next Offered: Fall 2022

[CMKT 510 Innovations in Marketing](#)

Next Offered: Fall 2022

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Social Media Practices and Reputation Management

Course Series



A social media presence enables senior management to share their perspectives with wider audiences, both external and internal, and garner reputational benefits from being online. Preparation for social media participation includes identifying the goals of social participation, selecting the right social platform, minimizing the risk of participation, and guiding the social conversation.

Want to find out more about the **Course Series in Social Media Practices and Reputation Management?** Express interest to connect with this program and receive updates.

Express interest

This course series offers the following benefits:

- Enrol right away – open admissions with no application required
- Complete from wherever you are through a fully online format
- Take Ryerson degree-credit courses
- Use these courses towards the [Certificate in Public Relations](#)
- Earn a Professional Development Award on successful completion of all courses
- Apply for merit-based awards

Course Series Requirements

- Successful completion of 3 required courses

Those who successfully complete this course series are eligible to earn a Professional Development Award from The G. Raymond Chang School of Continuing Education. Once you have successfully completed the courses, submit the [Request for Professional Development Award \(PDA\) form](#) with your name, student number, and the course series you have completed. Upon verification, you will receive your professional development award within 4 to 6 weeks.

Related Certificate



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The Human Body

 Course Series

Adults are increasingly aware of their need to learn how to transform their habits and lifestyles based on scientific evidence and to meet the health requirements of their age and health situations. This course series will provide opportunities for adults to learn about the human body and impacts to its health, including the biology- and chemistry-based science of food.

Learning about the human body requires space, time, and informed educators to provide current science and guide group discussions. Ryerson University's Biology and Chemistry faculty deliver the science content and subject matter experts provide a synthesis of the content with current scientific findings, while also ensuring a high level of engagement and participation in group discussions.

Each course in the series will explore the science of the human body and how one can use food science to make informed and healthy choices as he or she progresses through life. The courses will provide students with the knowledge and skill sets helpful in gaining or enhancing critical understanding of the human body.

Program Design



Learning Outcomes



Who Should Enrol?



Admission and Registration




There are no admission requirements for the Course Series in the Human Body. All courses are open admissions.

Each course in this series will explore the science underlying the human body and how to use the science to make informed life choices.

Course Series Requirements



- Successful completion of 4 required courses

Those who successfully complete this course series are eligible to earn a Professional Development Award from The G. Raymond Chang School of Continuing Education. Once you have successfully completed the courses, submit the [Request for Professional Development Award \(PDA\) form](#)  with your name, student number, and the course series you have completed. Upon verification, you will receive your professional development award within 4 to 6 weeks.

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Required Courses



CBLG 10A is a multi-term course. If you enrol in CBLG 10A for the selected term, you will automatically be enrolled in CBLG 10B 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.

[CKBG 100 Human Body Health Tools](#)

[CKBG 110 The Science of Food Foundations](#)

[CKBG 115 The Science of Supplements](#)

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[Enrolment ▾](#)

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The Internet of Things (IoT)

 Course Series

This program explores the technologies, architectures, and strategies for the streaming of IoT and how “always-on” data streams are managed, scaled, secured, and monetized around services, and solutions, and specifically on future connected cars, SMART cities, wearables, SMART home architectures and the Cloud, IoT analytics, IoT Open Source, connected virtual and augmented reality. Topics include emerging IoT technologies and monetization and value creation of IoT for economic prosperity and the social good.

No previous background is required.

In this course series you will learn how to operationalize technologies and strategies for the streaming of the Internet of Things (IoT). You will learn about how “always-on” data streams are managed, scaled, secured, and monetized around services, and solutions. This course series has applications in future and current technology industries including driverless cars and vehicles, smart cities, wearables and home architectures.

This is an Open Admissions program to help you advance or change your career. Those who successfully complete this three-course program are eligible to earn a Professional Development Award from The G. Raymond Chang School of Continuing Education

Required Courses

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[CKCS 180 IoT 360 Connectivity to the World](#)

[CKCS 181 Emerging IoT Technologies](#)

[CKCS 182 IoT Monetization and Value Creation](#)

What Will You Learn?

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Who Teaches the Courses?

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Who Should Enrol?

+

Industry and Careers

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Recommended Sequence

—

You may take all 3 courses in one term or over a number of semesters as you prefer.

Term 1
[CKCS 182](#)
[CKCS 181](#)


Term 2
[CKCS 180](#)

Course Series Requirements


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- Successful completion of 3 required courses

Those who successfully complete this course series are eligible to earn a Professional Development Award from The G. Raymond Chang School of Continuing Education. Once you have successfully completed the courses, submit the [Request](#)

[for Professional Development Award \(PDA\) form](#)  with your name, student number, and the course series you have completed. Upon verification, you will receive your professional development award within 4 to 6 weeks.

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Toy Invention

Course Series

Are you interested in toy invention and looking for hands-on learning and guidance from industry experts like Spin Master?

Our Course Series in Toy Invention will give you the knowledge and skills needed to pitch toy concepts to professional toy companies. Learn how to prototype a toy concept, test your concept, and then get direct feedback from industry professionals.

You'll walk away with a portfolio displaying your toy ideas and newly acquired presentation skills, including a complete prototype and a video you created to promote your toy.



[Get Connected](#)

[Attend a Drop-in Session](#)

Attend a Demo/Info Session: [How to Become a Toy Inventor](#) on June 8, 2022 at 12:00 P.M.

Industry and Careers

This course series can lead to career paths in roles such as:

- Toy inventor
- Toy and games inventor
- Toy entrepreneur

Who Should Take This Course Series?

Playful, open-minded makers interested in pursuing a career in toy invention. Our learners come from a variety of diverse backgrounds, including – but not limited to – education, psychology, storytelling, design (industrial, graphic, etc.), engineering (mechanical, industrial, etc.), and other technology fields.

What Will You Learn?

This program is highly experiential and project-based, and it will include in-studio learning as you progress through different stages of the toy concept development process.

After completing this course series, you will be able to:

- Identify the principles of toy invention and elements of gamification.
- Apply creative tools and methods to find novel ideas for toys.
- Prototype toy concepts.
- Conduct market research.
- Identify the relevant intellectual property protections required for a toy invention.
- Successfully communicate new toy concepts – verbally, in print, and in video.

In collaboration with:

Required Courses

[CDTI 100 Principles of Toy Invention](#)

Next Offered: Fall 2022

[CDTI 110 Toy Box](#)

Next Offered: Fall 2022

[CDTI 120 The Business Side of Toys - Talk Series](#)

Next Offered: Spring/Summer 2023

[CDTI 130 Toy Bootcamp](#)



Who Teaches the Courses?



Course Series Requirements



- Successful completion of 4 required courses

This course series is cohort-based; all participants will move through the completion of the four required courses as a group. You should be prepared to commit to completing the entire course series, which will take place over one academic year (Fall and Winter terms). [CDTI 100](#) and [CDTI 110](#) will take place in the Fall term, and [CDTI 120](#) and [CDTI 130](#) will take place in the Winter term.

Those who successfully complete this course series are eligible to earn a Professional Development Award from The G. Raymond Chang School of Continuing Education. Once you have successfully completed the courses, submit the [Request for Professional Development Award \(PDA\) form](#) with your name, student number, and the course series you have completed. Upon verification, you will receive your professional development award within 4 to 6 weeks.

How To Apply



Our Partners



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Website Design

 Course Series

This program provides in-depth, practical, and theoretical information needed to design websites that effectively communicate and encourage interaction.

This course series offers the following benefits:

- **Enrol right away – open admissions with no application required**
- **Take courses in any order – no prerequisites needed**
- **Take a mix of online and in-class courses**
- **Take Ryerson degree-credit courses**
- **Earn a Professional Development Award on successful completion of all courses**
- **Use applicable courses towards the [Certificate in Digital Art Production](#)**
- **Apply for merit-based awards**

Want to find out more about the

Course Series in Website Design?

Express interest to connect with this program and receive updates.

Express interest 

Required Courses 

[CEID 100 Digital Skills: Int'l Innovation](#)

Next Offered: Spring/Summer 2023

[CFPN 534 Graphic Design](#)

Next Offered: Fall 2022

[CFPN 535 User Experience Design](#)

Next Offered: Fall 2022

[CFPN 542 Design for Mobile Devices](#)

Course Series Requirements 

- Successful completion of 3 required courses

Those who successfully complete this course series are eligible to earn a Professional Development Award from The G. Raymond Chang School of Continuing Education. Once you have successfully completed the courses, submit the [Request for Professional Development Award \(PDA\) form !\[\]\(6ebc3ad0d1f1623ffbe29102506704f9_img.jpg\)](#) with your name, student number, and the course series you have completed. Upon verification, you will receive your professional development award within 4 to 6 weeks.

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Login

Courses and Programs

Enrolment

Students

Services and Support

Contact Us

Workplace Communication in Canada (WCC)

Course Series

The Chang School's Workplace Communication in Canada (WCC) Program



Established in 2007, the Workplace Communication in Canada (WCC) Program provides exceptional intercultural communication and soft skills training. The WCC program helps professionals in the Canadian workplace to enhance awareness and understanding of cultural differences in communication. This can result in better utilization of diverse talent and increased productivity for today's global workplace.

☒ **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

Required Courses (select 4)

[CDCE 700 Effective Speaking and Listening](#)

Next Offered: Fall 2022

[CDCE 710 Intro to Interpersonal Communic.](#)

[CDCE 720 Client-Centred Communication](#)

Next Offered: Fall 2022

[CDCE 730 Presenting with Impact](#)

[CDCE 740 Teamwork Communication](#)

The program's goal is to maximize the employability and leverage preparedness for professional bridging programs of internationally educated professionals by implementing the following:

- a competency-based curriculum (using detailed performance indicators)
- a workplace-focused curriculum (materials developed in partnership with pan-professional and subject-matter experts)
- an experiential curriculum (using role plays, simulations with actors, workplace scenarios, debate clubs, and group work)

What Will You Learn?



Course Series Requirements



- Successful completion of 4 required courses

Those who successfully complete this course series are eligible to earn a Professional Development Award from The G. Raymond Chang School of Continuing Education. Once you have successfully completed the courses, email the Workplace Communication in Canada (WCC) program at wcc@ryerson.ca with your name, student number, and the course series you have completed. Upon verification, you

will receive your professional development award.

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Workplace Mental Health in Healthcare Settings

 Course Series

This course series provides supervisors, managers, and directors the knowledge and understanding to manage the stress of frontline workers in healthcare settings. You will first explore the causes and impacts of on–the-job mental distress and post-traumatic stress disorder (PTSD), while learning about coping strategies and responsibilities of employers.

Next, leading practices to manage the spectrum of good psychological health and safety in the workplace will be exposed, using peer–to-peer learning opportunities that identify programs and services to support workers, as well as hands-on resources and learning plans.


Required Courses

[CVOH 110 Promote Frontline Worker Mental Health](#)

[CVOH 115 Support Frontline Worker Mental Health](#)

Course Series Requirements

- Successful completion of 2 required courses

Those who successfully complete this course series are eligible to earn a Professional Development Award from The G. Raymond Chang School of Continuing Education. Once you have successfully completed the courses, submit the [Request for Professional Development Award \(PDA\) form](#)  with your name, student number, and the course series you have completed. Upon verification, you will receive your professional development award within 4 to 6 weeks.

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