

2018-2019 Chang School Calendar

Addenda and Errata

The following is a chronological inventory of additions and corrections to this calendar made after the publication date.

Date	Addenda/Errata
10-Oct-2018	<p>Change in Curriculum Structure – The curriculum structure was revised for the following certificate programs (to match the undergraduate calendar) after the print publication date:</p> <ul style="list-style-type: none">• Public Administration and Governance (refer to page 99)• Advanced Public Administration and Governance (refer to page 100)
22-Nov-2018	<p>The program description was updated for the following certificate programs after the print publication date:</p> <ul style="list-style-type: none">• Economics (refer to page 52)• Economics and Finance (refer to page 53)
28-Jan-2019	<p>New Program Launched – The following program was approved for implementation after the print publication date and therefore omitted from the calendar:</p> <ul style="list-style-type: none">• Course Series in Paediatric Health Assessment

Certificate in Public Administration and Governance

Note: This program may be completed entirely at a distance. Visit the [distance education website](#) for further information.

The Certificate in Public Administration and Governance is designed for working public sector employees, students aspiring to careers in the public service, and those interested in gaining knowledge about public administration and public policy in Canada.

The Certificate in Public Administration and Governance fulfils Level 1 of the Public Administration and Governance BA (Honours) program and will provide students with the following:

- an introduction to public administration including the organization, structure, decision processes, and operations of the public sector
- an awareness of the political forces that shape public administration and policy
- an introduction to the levels of government

Program Information: Viola Ing, Department of Politics and Public Administration: ving@politics.ryerson.ca.

[Sample Distance Course Module](#) 

See more courses and programs relating to [Business, Management, Economics, and Urban Planning](#), [Law and Government](#), or [Humanities and Social Sciences](#).

Admission Criteria

It is recommended that applicants have the following:

OSSD with six Grade 12 U or M credits (including English) with a minimum of 60 percent, or mature student status.

Grade 13 subjects/OSSHGD may be combined/substituted with OACs/OSSD. Students who present credits from the OSSHGD (Grade 13 stream) or in combination with credits from the OSSD (OAC stream) should ensure that the credits satisfy the requirements.

Program Open House

Students who have questions about the admission criteria and/or would like to know more about this certificate are invited to attend a Program Open House. Please see [Open House](#) for dates, times, and location.

Certificate Requirements

The successful completion of eight single-term courses, with a cumulative grade point average of 1.67 or higher, is required. Students working toward a certificate must formally register in the Public Administration and Governance BA (Honours) program (see introductory note above).

Certificate Registration

Students may be registered in only one certificate program at any one time. To allow maximum flexibility in crediting external courses and/or courses previously taken at Ryerson, students **should** register in the certificate at the beginning of their first course (see also [Courses and Programs FAQ](#)). For complete details on the advantages of early registration, registration deadlines, and Transfer Credit restrictions, all students should read [Registration in a Certificate Program](#).

Awards and Financial Aid

If you require financial assistance, you may apply for [merit-based awards](#) and/or [need-based financial aid](#). As well, students officially registered in a Chang School certificate program may be eligible for funding through the Ontario Student Assistance Program (OSAP). For a complete list of certificate programs approved by OSAP, visit the [Student Financial Assistance website](#).

Requirements for Graduation

To graduate, you must successfully complete, within your official timespan, the published certificate curricula from the year you registered in the certificate program. In some circumstances, certificate requirements may change, resulting in courses no longer being available. In such cases, [Course Substitutions/Directives](#) may be requested. Also, you must apply on RAMSS to graduate, prior to the appropriate application deadlines (see [Important Dates](#)). For complete details, all students should read [Graduation](#).

Required Courses

[CPPA 101](#) **Politics and Public Administration:** Cdn Public Administration I: Institutions

[CPPA 102](#) **Politics and Public Administration:** Cdn Public Administration II: Processes

[CPPA 125](#) **Politics and Public Administration:** Rights, Equity and the State

Required Group 1 (select two)

[CPPA 120](#) **Politics and Public Administration:** Canadian Politics and Government

[CPPA 121](#) **Politics and Public Administration:** Ontario Politics and Government

[CPPA 122](#) **Politics and Public Administration:** Local Politics and Government

[CPPA 124](#) **Politics and Public Administration:** Indigenous Politics and Governance

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

Liberal Studies courses are indicated by “LL” for Lower Level and “UL” for Upper Level. Consult the [undergraduate calendar](#) for the complete list of Liberal Studies courses, and use the [Course Search](#) to search for your course by subject, term, time, or instruction mode.

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

Please refer to the [Undergraduate Calendar](#), Professionally-Related Electives Table I for a complete list of appropriate courses.

Students intending to proceed to further levels of the program should familiarize themselves with prerequisites pertaining to professionally-related elective courses at all levels of the program as well as options for obtaining a minor.

Note: Students who wish to obtain their [Certificate in Public Administration and Governance](#), must apply through the Office of Undergraduate Admissions for admission to the Public Administration and Governance BA (Honours) program. Do not use the standard continuing education certificate application. Upon completing this certificate and the [Advanced Certificate in Public Administration and Governance](#), students may continue their studies to earn a [BA \(Honours\) in Public Administration and Governance](#).

Certificate in

Advanced Public Administration and Governance

Note: Many of the courses in this program are available by distance education; refer to the Distance Education section below. Visit the [distance education website](#) for further information.

The Certificate in Advanced Public Administration and Governance is designed for working public sector employees, students aspiring to careers in the public service, and those interested in gaining knowledge about public administration and public policy in Canada.

The Advanced Certificate in Public Administration and Governance fulfils Level 2 of the Public Administration and Governance BA (Honours) program and will provide students with the following:

- an introduction to public policy
- a better understanding of the organization and operation of the public sector
- analytic, administrative, communication, and management skills necessary for career development in the public sector and organizations that deal with it
- an expanded awareness of the political forces that shape public administration and policy

Program Information: Viola Ing, Department of Politics and Public Administration: ving@politics.ryerson.ca.

See more courses and programs relating to [Business, Management, Economics, and Urban Planning](#), [Law and Government](#), or [Humanities and Social Sciences](#).

Admission Criteria

Eligible applicants must have the following:

[Certificate in Public Administration and Governance](#).

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

Program Open House

Students who have questions about the admission criteria and/or would like to know more about this certificate are invited to attend a Program Open House. Please see [Open House](#) for dates, times, and location.

Certificate Requirements

The successful completion of eight single-term courses, with a cumulative grade point average of 1.67 or higher, is required. Students working toward a certificate must formally register in the Public Administration and Governance BA (Honours) program (see introductory note above).

Certificate Registration

Students may be registered in only one certificate program at any one time. To allow maximum flexibility in crediting external courses and/or courses previously taken at Ryerson, students **should** register in the certificate at the beginning of their first course (see also [Courses and Programs FAQ](#)). For complete details on the advantages of early registration, registration deadlines, and Transfer Credit restrictions, all students should read [Registration in a Certificate Program](#).

Awards and Financial Aid

If you require financial assistance, you may apply for [merit-based awards](#) and/or [need-based financial aid](#). As well, students officially registered in a Chang School certificate program may be eligible for

funding through the Ontario Student Assistance Program (OSAP). For a complete list of certificate programs approved by OSAP, visit the [Student Financial Assistance website](#).

Requirements for Graduation

To graduate, you must successfully complete, within your official timespan, the published certificate curricula from the year you registered in the certificate program. In some circumstances, certificate requirements may change, resulting in courses no longer being available. In such cases, [Course Substitutions/Directives](#) may be requested. Also, you must apply on RAMSS to graduate, prior to the appropriate application deadlines (see [Important Dates](#)). For complete details, all students should read [Graduation](#).

Required Course

[CPPA 211](#) **Politics and Public Administration:** Public Policy

Required Group 1 (select three, not previously taken)

[CPPA 120](#) **Politics and Public Administration:** Canadian Politics and Government

[CPPA 121](#) **Politics and Public Administration:** Ontario Politics and Government

[CPPA 122](#) **Politics and Public Administration:** Local Politics and Government

[CPPA 124](#) **Politics and Public Administration:** Indigenous Politics and Governance

[CPPA 235](#) **Politics and Public Administration:** Theories of the State

[CPPA 303](#) **Politics and Public Administration:** Financial Management

[CPPA 319](#) **Politics and Public Administration:** Politics of Work and Labour

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

Liberal Studies courses are indicated by “LL” for Lower Level and “UL” for Upper Level. Consult the [undergraduate calendar](#) for the complete list of Liberal Studies courses, and use the [Course Search](#) to search for your course by subject, term, time, or instruction mode.

Professionally-Related Elective (select one)

[CECN 104](#) **Economics:** Introductory Microeconomics

[CECN 204](#) **Economics:** Introductory Macroeconomics

[CECN 210](#) **Economics:** Understanding Economics

[CECN 220](#) **Economics:** Evolution of the Global Economy

[CECN 320](#) **Economics:** Introduction to Financial Economics

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

Please refer to the [Undergraduate Calendar](#), Professionally-Related Electives Table I for a complete list of appropriate courses.

Students intending to proceed to Level 3 of the program should familiarize themselves with prerequisites pertaining to professionally-related elective courses at all levels of the program as well as options for obtaining a minor.

Note: Students who wish to obtain their [Certificate in Public Administration and Governance](#) or the [Advanced Certificate in Public Administration and Governance](#), must apply through the Office

of Undergraduate Admissions for admission to the Public Administration and Governance BA (Honours) program. Do not use the standard continuing education certificate application. Upon completing these certificates, students may continue their studies to earn a [BA \(Honours\) in Public Administration and Governance](#).

Students who have successfully completed the requirements for the Certificate and Advanced Certificate are eligible to continue to the degree level. For more information, contact the [Department of Politics and Public Administration](#), 416.979.5057.

Certificate in Economics

Note: Many of the courses in this program are available by distance education; refer to the Distance Education section below. Visit the [distance education website](#) for further information.

Designed for students with no previous training in economics, the Certificate in Economics provides students with a solid foundation in general economic theory as well as the opportunity to gain exposure to a variety of economics sub-fields (such as labour economics or environmental economics). With economic forces at play everywhere in both the private and public sectors, students who complete the certificate will gain a competitive edge in an extremely wide range of career paths. This certificate is also a stepping stone for students who have a degree in another field but wish to pursue graduate studies in economics or a related field.

For detailed certificate and program information, please visit www.ryerson.ca/ce/economics.

Academic Coordinator: Dr. Haomiao Yu, aceconomics@ryerson.ca

See more courses and programs relating to [Business, Management, Economics, and Urban Planning](#).

Admission Criteria

It is recommended that applicants have the following:

OSSD with six Grade 12 U (including Grade 12 U credits in English and Mathematics) or M credits, or equivalent, or mature student status.

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

Program Open House

Students who have questions about the admission criteria and/or would like to know more about this certificate are invited to attend a Program Open House. Please see [Open House](#) for dates, times, and location.

Certificate Requirements

The successful completion of six courses, with a cumulative grade point average of 1.67 or higher, is required for the certificate.

Certificate Registration

Students may be registered in only one certificate program at any one time. To allow maximum flexibility in crediting external courses and/or courses previously taken at Ryerson, students **should** register in the certificate at the beginning of their first course (see also [Courses and Programs FAQ](#)). For complete details on the advantages of early registration, registration deadlines, and Transfer Credit restrictions, all students should read [Registration in a Certificate Program](#).

Awards and Financial Aid

If you require financial assistance, you may apply for [merit-based awards](#) and/or [need-based financial aid](#). As well, students officially registered in a Chang School certificate program may be eligible for funding through the Ontario Student Assistance Program (OSAP). For a complete list of certificate programs approved by OSAP, visit the [Student Financial Assistance website](#).

Requirements for Graduation

To graduate, you must successfully complete, within your official timespan, the published certificate curricula from the year you registered in the certificate program. In some circumstances, certificate requirements may change, resulting in courses no longer being available. In such cases, [Course Substitutions/Directives](#) may be requested. Also, you must apply on RAMSS to graduate, prior to the appropriate application deadlines (see [Important Dates](#)). For complete details, all students should read [Graduation](#).

Required Courses

[CECN 104](#) **Economics:** Introductory Microeconomics

[CECN 204](#) **Economics:** Introductory Macroeconomics

Electives (select four)

Students select a total of four electives, one of which must be CECN 301 or CECN 504. Please consult the course descriptions for prerequisites.

[CECN 220](#) **Economics:** Evolution of the Global Economy

[CECN 301](#) **Economics:** Intermediate Macroeconomics I

[CECN 321](#) **Economics:** Introduction to Law and Economics

[CECN 501](#) **Economics:** Industrial Organization

[CECN 502](#) **Economics:** Economics of Energy and Natural Resources

[CECN 504](#) **Economics:** Intermediate Microeconomics I

[CECN 506](#) **Economics:** Money and Banking

[CECN 510](#) **Economics:** Environmental Economics

[CECN 600](#) **Economics:** Intermediate Macroeconomics II

[CECN 601](#) **Economics:** The Economics of Information

[CECN 605](#) **Economics:** Labour Economics

[CECN 606](#) **Economics:** International Monetary Economics

[CECN 614](#) **Economics:** An Introduction to Game Theory

[CECN 627](#) **Economics:** Econometrics I

[CECN 640](#) **Economics:** The Economics of Immigration

[CECN 700](#) **Economics:** Intermediate Microeconomics II

[CECN 702](#) **Economics:** Econometrics II

[CECN 703](#) **Economics:** Public Sector Economics

[CECN 715](#) **Economics:** Advanced Microeconomics

[CECN 803](#) **Economics:** Canadian Tax Policy

[CECN 808](#) **Economics:** Economic Growth and Technological Change

[CECN 815](#) **Economics:** Advanced Macroeconomics

Note: CECN 104 and CECN 204 give the student access to all the upper-level [liberal studies](#) courses in Economics as well as to the upper-level professionally related courses. CECN 110 and CECN 210 are **not** allowed as substitutes for CECN 104 and CECN 204 for Liberal Studies credit.

Suggested Elective Groupings

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

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

International Economics: CECN 220, CECN 301, CECN 504, CECN 606, CECN 700

Macroeconomics: CECN 301, CECN 506, CECN 600, CECN 606, CECN 808, CECN 815

Microeconomics: CECN 501, CECN 504, CECN 601, CECN 614, CECN 700, CECN 715

Environmental Economics: CECN 301, CECN 502, CECN 510, CECN 700

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

Economic Policy: CECN 220, CECN 301, CECN 321, CECN 703, CECN 803

Note to registered certificate program students

Electives

CECN 220 added.

Note: The above course added to the Suggested Elective Groupings in “International Economics” and “Economic Policy”.

Certificate in Economics and Finance

Note: This program may be completed entirely at a distance. Visit the [distance education website](#) for further information.

The Certificate in Economics and Finance is designed for students who aspire to a career in banking and finance, as well as those already working in these fields who want to accelerate their careers. The certificate allows students to develop strong analytical skills through a wide variety of foundational courses in both economics and finance. This certificate will help prepare students to qualify as a Chartered Financial Analyst (CFA) and/or Certified Financial Planner (CFP), or to pursue graduate studies in economics, finance, or business administration.

For detailed certificate and program information, please visit www.ryerson.ca/ce/economics.

Academic Coordinator: Dr. Haomiao Yu, aceconomics@ryerson.ca

See more courses and programs relating to [Business, Management, Economics, and Urban Planning](#).

Admission Criteria

It is recommended that applicants have the following:

OSSD with six Grade 12 U, including Grade 12 U credits in English and Mathematics (one of which must be Advanced Functions, Calculus and Vectors, or Data Management), or M credits with a minimum grade of 70 percent; or equivalent; or mature student status. As well, student must have completed the following course or equivalent:

[CACC 110](#) **Accounting:** Financial Accounting

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

Program Open House

Students who have questions about the admission criteria and/or would like to know more about this certificate are invited to attend a Program Open House. Please see [Open House](#) for dates, times, and location.

Certificate Requirements

The successful completion of eight courses, with a cumulative grade point average of 1.67 or higher, is required for the certificate.

Certificate Registration

Students may be registered in only one certificate program at any one time. To allow maximum flexibility in crediting external courses and/or courses previously taken at Ryerson, students **should** register in the certificate at the beginning of their first course (see also [Courses and Programs FAQ](#)). For complete details on the advantages of early registration, registration deadlines, and Transfer Credit restrictions, all students should read [Registration in a Certificate Program](#).

Awards and Financial Aid

If you require financial assistance, you may apply for [merit-based awards](#) and/or [need-based financial aid](#). As well, students officially registered in a Chang School certificate program may be eligible for funding through

the Ontario Student Assistance Program (OSAP). For a complete list of certificate programs approved by OSAP, visit the [Student Financial Assistance website](#).

Requirements for Graduation

To graduate, you must successfully complete, within your official timespan, the published certificate curricula from the year you registered in the certificate program. In some circumstances, certificate requirements may change, resulting in courses no longer being available. In such cases, [Course Substitutions/Directives](#) may be requested. Also, you must apply on RAMSS to graduate, prior to the appropriate application deadlines (see [Important Dates](#)). For complete details, all students should read [Graduation](#).

Required Courses

- [CECN 104](#) **Economics:** Introductory Microeconomics
 - [CECN 204](#) **Economics:** Introductory Macroeconomics
 - [CECN 506](#) **Economics:** Money and Banking
 - [CFIN 300](#) **Finance:** Managerial Finance I
 - [CFIN 401](#) **Finance:** Managerial Finance II
 - [CFIN 501](#) **Finance:** Investment Analysis
-

Electives (select two)

Note: Students are allowed to choose only one of CECN 129 or CQMS 102 as their electives.

Students are allowed to choose only one of CECN 721 or CFIN 621 as their electives.

- [CECN 129](#) **Economics:** Statistics for Economics I
- [CECN 301](#) **Economics:** Intermediate Macroeconomics I
- [CECN 504](#) **Economics:** Intermediate Microeconomics I
- [CECN 606](#) **Economics:** International Monetary Economics
- [CECN 703](#) **Economics:** Public Sector Economics
- [CECN 721](#) **Economics:** International Financial Markets
- [CECN 803](#) **Economics:** Canadian Tax Policy
- [CFIN 502](#) **Finance:** Personal Financial Planning
- [CFIN 510](#) **Finance:** Small Business Finance
- [CFIN 512](#) **Finance:** Risk Management and Insurance
- [CFIN 601](#) **Finance:** Derivatives
- [CFIN 612](#) **Finance:** Retirement and Estate Planning
- [CFIN 621](#) **Finance:** International Finance
- [CQMS 102](#) **Quantitative Methods:** Business Statistics I

Course Series in Paediatric Health Assessment

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.

For more information, contact Jouanna Labib, Student Affairs/Program Advisor, at jjlabib@ryerson.ca or visit ryerson.ca/ce/paediatric.

Those who successfully complete this course series are eligible to earn a Professional Development Award from The G. Raymond Chang School of Continuing Education.

Required Courses

[CVNU 113](#) **Nursing:** Paediatric Health Assessment

[CVNU 114](#) **Nursing:** Paediatric Health Assessment Workshop

Once you have successfully completed the courses, email The Chang School at ce@ryerson.ca with your name, student number, and the course series you have completed. Upon verification, you will receive your professional development award.