UBC Vancouver

ACADEMIC CALENDAR

2019/20

www.calendar.ubc.ca/vancouver
The Vancouver School of Economics

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Introduction

A School within the Faculty of Arts

6000 Iona Drive
Vancouver, BC V6T 1L4
Telephone: 604.822.2876
The Vancouver School of Economics website (http://www.economics.ubc.ca)

The Vancouver School of Economics offers programs of study that lead to the degrees of Doctor of Philosophy, Master of Arts, Bachelor of International Economics and Bachelor of Arts.

Building on the strength of the prior Department of Economics, the School opened in 2013 with a mandate to offer outstanding graduate and undergraduate degree programs, to conduct and inspire pathbreaking research and to share that research with the local, national, and global community as well as within the academic community.

For information on the B.A. degrees see Faculty of Arts and for advanced degrees, see graduate Economics.

Bachelor of International Economics

Bachelor of International Economics > Introduction

The Vancouver School of Economics, in collaboration with the Faculty of Commerce and Business Administration (also known as the Sauder School of Business), offers a Bachelor of International Economics (B.I.E.) degree.

The B.I.E. degree is a four-year program featuring intensive study in economics with an emphasis on international trade, international finance, and international development. Students may pursue a minor as part of their degree program. Part-time study is not an option for the B.I.E.

Bachelor of International Economics > Academic Advising

Advising is provided through the B.I.E. Advising Office in the Vancouver School of Economics and through the Faculty of Arts Academic Advising Services.

B.I.E. students are expected to develop an individual learning plan to help guide their program of study; the plan will be modified over the course of their degree progress. Staff in the B.I.E. Advising Office are available to assist in the development of these learning plans. The staff of the Faculty of Arts Academic Advising Services are available to offer advice about Faculty of Arts regulations to students in the program. They also evaluate and approve (as appropriate) requests for course changes, withdrawals, academic concessions (for medical, emotional, or other reasons), and letters of permission for study elsewhere.

Bachelor of International Economics > Admission

UBC's procedures, policies, and general admission requirements are specified in Admissions (}

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This document was generated on 20 Jun 2019 at 9:28 AM.
Enrolment in the Program is limited; attainment of the minimum requirements does not guarantee admission.

**B.C. Secondary School Applicants (or equivalent)**

To apply to the Program, apply to UBC via youbc Vancouver (http://www.you.ubc.ca) and indicate the B.I.E. program as your first or second choice.

Applicants must satisfy University admission requirements and B.I.E. admission requirements. The average used in admission considerations for the B.I.E. will be calculated using grades from English 12 (or equivalent) and one of Principles of Mathematics 12 or Pre-Calculus 12 or their equivalent and two other approved Grade 12 courses.

The Program has a Broad-Based Admission policy that incorporates a number of factors including: international perspectives, performance in specific high school courses, the overall academic rigor of the program, evidence of relevant learning and achievements both in and out of school, and other indicators of suitability for the Bachelor of International Economics. The B.I.E. Program emphasizes international aspects of economics and will admit an internationally diverse cohort of students, with enrolment balanced between domestic and international students.

**Math Requirement:** Admitted applicants must take either MATH 104, 184 or another first-year calculus course in the first year of the B.I.E. and so must have established eligibility to take one of: MATH 100, 102, 104, 120, 180, or 184. For details on requirements see the Mathematics Department website (http://www.math.ubc.ca/Ugrad/ugradCourses/ugradCal-choices.shtml).

Applicants who have already completed 6 credits of first-year-level calculus are exempt from these requirements. While not a factor in the admissions decision, many students find that taking a secondary school calculus course helps them succeed in our first year math course; it is strongly recommended.

**College/University Transfer Students (including UBC students transferring from other programs)**

Admission into the second year of the program is very limited. Students who have completed 27 transferable credits at a recognized post-secondary institution are eligible to be considered for admission to second year of the B.I.E. program. Students must have completed the following UBC courses (or their equivalents):

- One of WRDS 150, ENGL 100, Arts One or ASTU 100 (CAP) with a minimum grade of 60%. ENGL 112 may be substituted in the calculation of the admission average for students transferring from other faculties but admitted transfer students should note that they must subsequently complete a Writing Component course.
- ECON 101 and 102
- MATH 104 (or 184) and 105
- 11-15 credits of electives

*Applicants are not admitted into the third and fourth years of the Program.*

Last updated: June 3, 2019

**Bachelor of International Economics > Academic Regulations**

Students are subject to the academic regulations of the Faculty of Arts.

**Dean's List**
Dean’s List designation recognizes exceptional academic achievement in the Faculty of Arts.

Students who complete at least 27 percentage-graded credits in a Winter Session, and who achieve an average of 85% or higher on at least 27 of these credits, will receive the notation "Dean's List" on their permanent record.

Students in the Arts Co-operative Education program who complete a Co-operative work placement in either Term of a Winter Session and at least 15 percentage-graded credits in the other Term, and who achieve an average of 85% or higher on at least 15 of these credits, will receive the notation "Dean's List" on their permanent record.

Scholarships and Awards

For information on scholarships and awards available to academically outstanding students, see Awards, scholarships and bursaries. (http://https://students.ubc.ca/enrolment/finances/awards-scholarships-bursaries) See also Fees, Financial Assistance, and Scholarships (Calendar page: http://www.calendar.ubc.ca/vancouver/index.cfm?tree=14,265,0,0#17930).

Class Standing at Graduation

Graduation Class Standing appears on the transcript, and is awarded based on grades earned for at least 51 upper-level credits. These must include all upper-level Core credits and upper-level credits used to satisfy degree and specialization requirements, and may include the best upper-level elective credits, as necessary, to reach a minimum of 51 credits. Using this calculation, students who achieve an average of 80% or higher receive Class 1 standing. Those with an average between 65% and 79.9% receive Class 2 standing, and those with an average of 64.9% or lower receive Class P (Pass) standing. B.I.E. students who achieve a Core average of 90% or higher, calculated on all attempted upper-level Core credits, will also receive With Honours standing, appearing on the transcript as Class 1 With Honours.

Promotion Requirements

In order to progress from one year-level standing to the next, a student must successfully complete a sufficient total number of B.I.E.-eligible credits. These may include transfer credit as well as credit earned through exchange. Year-level standing impacts a student’s eligibility for specializations and courses, and is one of the factors considered when registration dates are set.

Promotion is evaluated annually upon completion of the Winter Session. Students who have successfully completed 27 credits are promoted to second year standing. Those who have completed 54 credits are promoted to third year standing, and those who have completed 84 credits are promoted to fourth year standing.

Continuation Requirements

In year 1, students who achieve (i) a sessional average of at least 60% and (ii) an average of at least 65% in their core courses (core courses are required ECON, COEC, mathematics and WRDS courses) and (iii) a passing grade in their core required ECON, COEC and MATH courses will be assigned Pass standing and be permitted to continue in the B.I.E. program.

Students in year 1 or year 2 who fail to achieve either (i), (ii), or (iii) (if applicable) but achieve a sessional average of at least 55% will receive Pass standing and will be permitted to register in the B.A. Program in the Faculty of Arts but will be required to discontinue the B.I.E. program. Students with a sessional average of between 45% and 54.9% will be permitted to remain enrolled in the Faculty of Arts on academic probation (ACPR), but will be required to discontinue the B.I.E. Program. Students with a sessional average of less than 45% will be given Fail standing and will be required to withdraw from the University.

In year 2, students who achieve (i) a sessional average of at least 60% and (ii) an average of at least 65% in their core courses (core courses are required ECON, COEC, mathematics and WRDS courses) will be assigned Pass standing and be permitted to
continue in the B.I.E. program.

In years 3 and 4, students must achieve a sessional average of 60% to continue in the B.I.E. program. If students achieve an average between 55% and 59.9%, they will receive Pass standing and will be permitted to enrol in the B.A. Program in the Faculty of Arts, but will be required to discontinue the B.I.E. program. If students receive an average between 45% and 54.9%, they will be permitted to enrol in the B.A. Program in the Faculty of Arts on academic probation (ACPR), but will be required to discontinue the B.I.E. Program. Students who achieve an average below 45% will be given Fail standing and be required to withdraw from the University.

Summary of Continuation Requirements*

<table>
<thead>
<tr>
<th>Year</th>
<th>Winter Session Average</th>
<th>Core Average</th>
<th>Sessional Standing</th>
<th>Continuation Status in B.I.E.</th>
</tr>
</thead>
<tbody>
<tr>
<td>1 &amp; 2</td>
<td>60% or more</td>
<td>65% or more</td>
<td>Pass</td>
<td>Eligible to continue</td>
</tr>
<tr>
<td>1 &amp; 2</td>
<td>60% or more</td>
<td>Less than 65%</td>
<td>Pass</td>
<td>Required to discontinue</td>
</tr>
<tr>
<td>1 &amp; 2</td>
<td>55% - 59.9%</td>
<td></td>
<td>Pass</td>
<td>Required to discontinue</td>
</tr>
<tr>
<td>1 &amp; 2</td>
<td>45% - 54.9%</td>
<td></td>
<td>ACPR</td>
<td>Required to discontinue</td>
</tr>
<tr>
<td>1 &amp; 2</td>
<td>Less than 45%</td>
<td></td>
<td>Fail</td>
<td>Required to withdraw</td>
</tr>
<tr>
<td>3 &amp; 4</td>
<td>60% or more</td>
<td></td>
<td>Pass</td>
<td>Eligible to continue</td>
</tr>
<tr>
<td>3 &amp; 4</td>
<td>55% - 59.9%</td>
<td></td>
<td>Pass</td>
<td>Required to discontinue</td>
</tr>
<tr>
<td>3 &amp; 4</td>
<td>45% - 54.9%</td>
<td></td>
<td>ACPR</td>
<td>Required to discontinue</td>
</tr>
<tr>
<td>3 &amp; 4</td>
<td>Less than 45%</td>
<td></td>
<td>Fail</td>
<td>Required to withdraw</td>
</tr>
</tbody>
</table>

* Students required to discontinue from the B.I.E. may transfer into the B.A. Program in the Faculty of Arts. Students required to withdraw are not eligible for the B.A. and must withdraw from the University.

* Core average is computed over required MATH, ECON, COEC, and WRDS courses.

Note that Year 1 students must achieve a passing grade in all Core required MATH, ECON and COEC courses in addition to maintaining their Core Average.

Class Standing at Graduation

Bachelor of International Economics > Degree Requirements

Students must satisfy Faculty of Arts Breadth Requirement and Upper-Level Credit Requirement.

The Writing and Research Requirement will be satisfied by WRDS 150 and ECON 494 respectively.

Program Requirements

<table>
<thead>
<tr>
<th>First Year</th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>ECON 101, 102</td>
<td>1,2</td>
<td>6</td>
</tr>
<tr>
<td>COEC 293</td>
<td></td>
<td>3</td>
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<tr>
<td>WRDS 150</td>
<td></td>
<td>3</td>
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</table>
### MATH 104 (or 184), 105
Electives

#### Second Year

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>ECON 315 and 316</td>
<td>6</td>
</tr>
<tr>
<td>ECON 309</td>
<td>3</td>
</tr>
<tr>
<td>ECON 327 and 328</td>
<td>6</td>
</tr>
<tr>
<td>ECON 255</td>
<td>3</td>
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<tr>
<td>ECON 317</td>
<td>3</td>
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<tr>
<td>Electives</td>
<td>12</td>
</tr>
</tbody>
</table>

#### Third Year

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>ECON 370</td>
<td>3</td>
</tr>
<tr>
<td>COEC 371</td>
<td>3</td>
</tr>
</tbody>
</table>

#### Fourth Year

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>ECON 493, 494</td>
<td>6</td>
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</table>

#### Third and Fourth Year

<table>
<thead>
<tr>
<th>Requirement</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>3 courses selected from COEC 294, 365, 370, 377, 491, 497, 498</td>
<td>9</td>
</tr>
<tr>
<td>3 courses selected from ECON 441, 442, 455, 456, COEC 475</td>
<td>9</td>
</tr>
<tr>
<td>One ECON or COEC course at 400-level or approved equivalent</td>
<td>3</td>
</tr>
<tr>
<td>Electives</td>
<td>27</td>
</tr>
</tbody>
</table>

1. AP, A-Level or IB Economics cannot be substituted for these courses.
2. B.I.E. students are allowed a maximum of 27 credits of COEC courses towards the completion of their B.I.E. degree but cannot take any other credits in the Sauder School of Business. COEC courses that are equivalent to ECON courses are exempted from the 27 maximum.
3. By special permission only, students may substitute 9 credits from honours courses ECON 306 and 307 and econometrics course ECON 425 in place of 9 credits from COEC 294, 365, 370, 377, 491, 497 and 498. Students given special permission to complete ECON 306, 307 and 425, which require an advanced mathematical foundation, are also required to complete two courses from MATH 200, 220, and 221. See the B.I.E. Advising Office.

### Minor Programs

Students may construct their program to include a minor in a subject (discipline) or field of specialization other than the B.I.E. At least 24 of the 120 credits required for the degree must be in subjects or fields other than those of the major and minor.

Note: A maximum of 6 credits numbered 300 and higher may be shared between a major and the B.I.E. See Double-Counting.

### Minor in Arts

To complete a minor, a student must include in the 120 credits required for the degree at least 30 credits and no more than 42 credits in a single subject (discipline) or field of specialization other than that of the major, including any courses specified as required for a minor in the discipline or field of specialization. At least 18 of these credits must be in courses numbered 300 or above. Some interdisciplinary minors are defined as 18-21 credits in specified courses numbered 300 or above, and their prerequisites:

Students may apply to have completion of the requirements for a minor in the Faculty of Arts noted on their transcript. Students are encouraged to consult the B.I.E. advisor and see a departmental advisor in Arts, preferably before taking the necessary courses.

The general provisions regarding the definition of subjects and cross-listed courses in the B.I.E. Program apply to the minor (see Arts Major Program).
Minor in Education

The Minor in Education allows Bachelor of International Economics students to combine Arts subject content with an area of Education through which that content can be more broadly explored and applied. These investigations through the lens of education can lead to career options involving education theory and pedagogy, both for teaching careers and other professional goals. The Minor does not qualify students to teach in the K-12 system; however, it does provide prerequisites to higher education programs and required courses necessary for specialized teacher education.

The Minor consists of 30 credits, 18 of which are drawn from specified core Education courses and 12 of which are drawn from supportive Arts courses at the 300-400 level. Five different versions are available:

- Special Education
- Interpersonal Development
- Community, Adult, and Higher Education
- Early Childhood Education
- Language Learning and Teaching

Students who wish to declare the Minor must be eligible for 3rd year standing. Arts subject courses must be chosen in consultation with Arts Advising, preferably prior to declaration; Arts Advising may consult with the Teacher Education office for final approval of these courses.

Education subject courses consist of the following:

- Special Education: EPSE 303, EPSE 312, EPSE 316, EPSE 348, EPSE 436, EPSE 437
- Interpersonal Development: CNPS 362, CNPS 363, CNPS 364, CNPS 365, CNPS 427, CNPS 433
- Community, Adult, and Higher Education: ADHE 327, ADHE 329, ADHE 330, ADHE 412, plus two additional Education courses chosen in consultation with academic advising in the Faculty of Education
- Early Childhood Education: ECED 400, ECED 401, ECED 406, ECED 407, ECED 420, ECED 421
- Language Learning and Teaching: LLED 489A^1 and LLED 489B, plus 12 credits from LLED 399, LLED 429, LLED 433-435, LLED 450-457, LLED 478-480

^1ENGL 330 or ENGL 331 may be substituted for LLED 489A, in which case students may include these ENGL credits towards the required 12 credits of Arts and must take 3 additional LLED credits to reach a total of 18 credits of LLED for the Minor.

Minor in Land and Food Systems

The Faculty of Land and Food Systems offers five optional minors for Arts students. Upon declaration of one of the following five minor options, the notation "Minor in [Subject]" will be denoted on the student's transcript. Note that most upper-level Land and Food Systems and Science courses have lower-level pre-requisites. Interested students are encouraged to meet with an Arts Academic Advisor as early as possible to discuss program planning.

The **Applied Animal Biology Minor** will consist of 18 credits selected from APBI 311, 312, 314, 315, 316, 327 (BIOL 327), 398, 410, 411, 413, 414, 415, 416, 418, 419, 427 (BIOL 411), 496, BIOL 310, 325, 425; PSYC 306.

The **Applied Plant and Soil Sciences Minor** will consist of 18 credits selected from APBI 318, 322, 324 (BIOL 324), 327 (BIOL 327), 328 (BIOL 317), 342 (FRST 310), 351 (BIOL 351/FRST 311), 401, 402, 403, 426 (BIOL 421), 428, 440 (BIOL 440), 444 (FRST 444).
The **Food and Resource Economics Minor** will consist of 18 credits selected from ECON 371, FRE 302, 306, 326, 340, 374 (ECON 374), 385, 402, 420, 460, 490.

The **Food Science Minor** will consist of 18 credits selected from FNH 300, 301, 302, 303, 309, 313, 330, 335, 402, 403, 413.

The **Nutritional Sciences Minor** will consist of FNH 250, 350, 351, and 12 credits selected from FNH 301, 355, 370, 398, 402, 451, 454, 455, 471, 473, 474, 477, 490 for a total of 21 credits.

Space in many Science and Land and Food Systems courses is limited. Admission to a Land and Food Systems minor does not provide priority access to courses agreed upon for the minor.

### Minor in Science

B.I.E. students may also complete a Minor in Science. An acceptable program must comprise courses recognized for credit in the Faculty of Science and acceptable for a science major in the proposed subject area or field. The Minor in Science must consist of at least 18 credits numbered 300 or higher in a single subject or field of specialization, together with any necessary prerequisites for these upper-level courses. Students should design a coherent and academically sound course of studies for their proposed minor. Note that space in many courses is limited and admission to a science minor does not guarantee access to courses agreed upon for the minor.

The 18 upper-level credits of science required by this program and their science prerequisites will not be applied towards the minimum 72 credits from the Faculty of Arts.

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**Bachelor of International Economics > Dual Degree Program Option: Bachelor of International Economics and Master of Management**

Effective 2017W, this Dual Degree Program Option will no longer accept new students. For further information, please seek advising from the Bachelor of International Economics (http://www.economics.ubc.ca/undergraduate/programs/bachelor-of-international-economics) program in the Vancouver School of Economics.

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**Bachelor of Arts in Economics**

The Vancouver School of Economics (http://www.economics.ubc.ca) offers programs of study that lead to the degrees of Doctor of Philosophy, Master of Arts, Bachelor of International Economics, and Bachelor of Arts. The School also collaborates with Canadian Studies, International Relations, Mathematics, Modern European Studies, Philosophy, Political Science, Statistics, Urban Studies, Women's and Gender Studies, and the Commerce and Business Administration.

For information on the Bachelor of International Economics, see the Vancouver School of Economics (http://www.calendar.ubc.ca/vancouver/index.cfm?tree=12,304,0,0). For information on advanced degrees, see graduate Economics.

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**Admission to Major/Combined Major/Honours Programs**

Admission to the Major or a Combined Major or the Honours program in Economics requires a student to have completed at least
Admission to the Major or a Combined Major or the Honours program in Economics is not automatic. To be admitted, a student must submit a formal application. Because there are a limited number of places, some students who satisfy the minimum prerequisites may not be admitted.

Selection for admission is based on the average standing in all credits of post-secondary coursework attempted, with the exception of 12 credits that may be excluded from the calculation. The average is calculated on at least 54 credits, and must include (i) 6 credits of Principles of Economics; (ii) 6 credits of first-year calculus, equivalent to MATH 104 and MATH 105; (iii) 3 credits that satisfy the Writing Component of the Bachelor of Arts Writing and Research Requirement (WRDS 150, ASTU 150, CAP, Arts One, ENGL 100 or an approved equivalent); (iv) 6 credits of second- or third-year level courses in economics. Courses required under (i) – (iv) cannot be taken on a Credit/D/Fail basis. Students are not admitted to the final 30 credits of a Major or a Combined Major Program.

Students with 75 credits or more may not apply to the Major or Combined Major Program unless they have already declared another major.

Students who are considering a Major, Combined Major, or Honours program in Economics are encouraged to seek advice on their program from school advisors upon completion of their first 54 credits (or, if possible, on completion of their first 30 credits).

Application

A written application for admission to the Major or Honours program should be received by May 20, prior to registering for the final 60 credits, to ensure that the student will be considered for admission. Application forms are available from Economics.

The application form must be accompanied by a copy of the student's permanent record from UBC and official transcripts of the student's record from all other post-secondary educational institutions attended.

Major in Economics

To be admitted to the Major program, a student must have obtained a minimum of 54 credits applicable to the Bachelor of Arts, including (i) 6 credits of Principles of Economics; (ii) 6 credits of first-year calculus, equivalent to MATH 104 and MATH 105; (iii) 3 credits that satisfy the writing component of the Bachelor of Arts Writing and Research Requirement (WRDS 150, ASTU 150, CAP, Arts One, ENGL 100 or an approved equivalent); (iv) 6 credits of second- or third-year level courses in economics. Courses taken on a Credit/D/Fail basis cannot be used to satisfy any of these requirements.

Economics courses that do not have 6 credits of principles of economics as a prerequisite, or for which unassigned transfer credit may have been granted, may not be included in the 42 credits required for the Economics Majors.

In addition to the above prerequisites and Faculty requirements the program must include:

- ECON 301 (or 304) and 302 (or 305)
- ECON 325 and 326
- ECON 490
- 6 additional credits of economics at the 400-level
- at least 9 additional credits in ECON at the 3XX or 4XX-level, bringing the total number of credits completed in Economics to 42, of which at least 30 credits are in 3XX and 4XX-level economics courses
Note: Students who are exempt from specific required courses (e.g. Econ 301, Econ 325, Econ 326) because they have received credit for non-Econ courses on the credit-exclusion list must take additional Econ 3XX or 4XX level credits so that they satisfy the Majors requirement of 42 ECON credits, with at least 30 ECON credits at or above the 3XX level.

Students should note the prerequisites for senior courses and plan their programs accordingly. Particular attention should be paid to the prerequisites for ECON 490: ECON 325 and 326 (or their equivalent) must be successfully completed before enrolling in ECON 490. ECON 490 is restricted to Economics Majors and Combined Majors in Economics, in their final academic session.

For guidance on the course selections that enable students to emphasize different interests within Economics (e.g., international, development and history, environment, public policy, etc.), see the School (http://www.economics.ubc.ca). Students with over 80% average in their first-year economics and mathematics courses are strongly advised to apply for the Honours Program.

Graduate School Track

Graduate studies in Economics require a strong background in economic theory, econometrics, and mathematics. Therefore, students who intend to pursue graduate studies in Economics are strongly advised to take ECON 303 or ECON 306, ECON 307, ECON 421, ECON 425, MATH 200, and MATH 221.

Combined Major in Economics and Political Science

Admission to the program is subject to the admission restrictions and application process that pertain currently to the Majors in Economics and Political Science. In addition to degree requirements, the program has Economics and Political Science requirements.

Economics Requirements

Students take an 18-credit core, plus ECON 490 and 9 credits of electives in Economics of which at least 3 credits must be at the 300/-400-level. The 18-credit core consists of ECON 101, 102, 301 (or 304), 302 (or 305), 325, and 326.

Political Science Requirements

Students take a 15-credit core plus 15 credits of electives at the 300/-400-level. The 15-credit core consists of POLI 100, 101, 240, and 350 (or 352), plus 3 credits chosen from POLI 220 or 260.

Combined Major in Economics and Philosophy

Admission to the program is subject to the admission restrictions and application process that pertain currently to the Major in Economics. In addition to degree requirements, the program has Economics and Philosophy requirements.

Economics Requirements

Students take an 18-credit core, plus ECON 490 and 9 credits of electives in Economics of which at least 3 credits must be at the 300/-400-level. The 18-credit core consists of ECON 101, 102, 301 (or 304), 302 (or 305), 325, and 326. Students are strongly advised to take ECON 318 and ECON 319.

Philosophy Requirements

Students take an 18-credit core plus 12 credits of electives at the 300/-400-level. The 18-credit core consists of PHIL 220, 230, 240, 330, and 340 plus 3 credits of history of philosophy from PHIL 310, 311, 314, or 315.
B.A. Combined Major in Economics and Mathematics

Admission to the program is subject to the admission restrictions and application processes that pertain currently to the Major in Economics. For the B.Sc. Combined Major in Mathematics and Economics, see the listing under the Faculty of Science.

First and Second Years

In addition to degree requirements, students take the following courses:

- ECON 101 and 102
- 6 credits of ECON at the second- or third-year level, with the exception of ECON 320
- MATH 104 (or 100 or 102 or 110 or 180 or 184 or 120)
- MATH 105 (or 101 or 103 or 121)
- MATH 200 (or 226), 215, 220, 221 (or 223)

1 Students may take ECON 303 and 3 additional credits of economics at the 300-level or above, instead of ECON 101 and 102.

2 Students obtaining 68% or higher in MATH 226 may replace MATH 220 with 3 credits of electives.

Third and Fourth Years

In addition to degree requirements, students take the following courses:

- ECON 301, 302, 325, 326, 490
- 3 additional credits of economics numbered 300 or higher, with the exception of ECON 320
- 18 credits of mathematics numbered 300 or higher: suitable electives include MATH 302, 303, 320, 321, 402, 403, 418, 419, and 443

3 STAT 200 can substitute for ECON 325. If STAT 200 is selected, an additional economics elective numbered 312 or higher (excluding ECON 320) must be taken to ensure the total number of ECON credits is at least 30.

4 MATH 320 would be valuable for graduate study.

B.A. Combined Major in Economics and Statistics

Admission to the program is subject to the admission restrictions and application process that pertain currently to the Major in Economics. For the B.Sc., see the B.Sc. Combined Major in Statistics and Economics.

<table>
<thead>
<tr>
<th>Lower-level Requirements</th>
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<tbody>
<tr>
<td>ECON 101, 102</td>
</tr>
<tr>
<td>MATH 104 (or one of 100, 102, 110, 120, 180, 184)</td>
</tr>
<tr>
<td>MATH 105 ( or one of 101, 103, 121)</td>
</tr>
<tr>
<td>MATH 200 or 226</td>
</tr>
<tr>
<td>MATH 220</td>
</tr>
<tr>
<td>MATH 221 or 223</td>
</tr>
<tr>
<td>CPSC 110</td>
</tr>
<tr>
<td>CPSC 210 or MATH 210</td>
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</tbody>
</table>

| Upper-level Requirements |
ECON 301 or 304
ECON 302 or 305
ECON 303 or 306
ECON 325 or STAT 200\(^1\)
ECON 326 or STAT 306\(^2\)
ECON 425, 490
3 additional credits of ECON numbered 300 or higher
MATH 303 or 307
STAT 302, 305
STAT 404 or 443
3 additional credits of statistics STAT courses numbered 300 or higher

\(^1\) If STAT 200 is selected, an additional ECON elective numbered 300 or higher must be taken at some point in the program, to ensure the total number of ECON credits is at least 30.

\(^2\) If STAT 306 is selected, an additional ECON elective numbered 300 or higher must be taken at some point in the program, to ensure the total number of ECON credits is at least 30.

Honours in Economics

To be admitted to the Honours program, a student must have obtained a minimum of 54 credits applicable to the Bachelor of Arts, with a minimum of 75% or better on all credits attempted, and must have obtained (i) 6 credits of Principles of Economics; (ii) 6 credits of first-year calculus, equivalent to MATH 104 and MATH 105; (iii) 3 credits that satisfy the writing component of the Faculty of Arts Writing and Research Requirement (ASTU 150, CAP, Arts One, English 100 or an approved equivalent); (iv) 6 credits of second- or third-year-level courses in economics. The student should have at least a 75% average in the best 12 credits of economics courses. Courses taken on a Credit/D/Fail basis cannot be used to satisfy any of these requirements.

Students considering an Honours program in Economics should consult the School's Honours advisor on completion of their first 54 credits (or, if possible, on completion of their first 30 credits).

In addition to the prerequisites the program must include:

- ECON 325 and 326
- ECON 304 and 305
- ECON 306 and 307 with at least a 68% average
- another 12 credits in economics courses at the 400-level
- another 9 credits in economics courses at the 300- or 400-level
- ECON 495 and 499

Graduate studies in economics require a strong background in economic theory, econometrics, and mathematics. Students who intend to pursue graduate studies in economics are strongly advised to take ECON 421, ECON 425, MATH 200, and MATH 221.

Graduation with an Honours Degree in Economics requires:

- A cumulative average of at least 78% in ECON courses numbered 300 and above
- No more than two ECON courses (6 credits) at the ECON 3xx/4xx with a grade below 68%.
Students who do not meet the Honours graduation requirements will be allowed to remain in the Economics Majors Program (BA), but will be required to discontinue the Honours Program.

**Minor in Economics**

Students who are enrolled in a major program other than Economics, and who obtain at least 30 credits and no more than 42 credits in economics, with at least 18 of these credits in courses numbered 300 or above, qualify to graduate with a Minor in Economics.

No Principles of Economics courses (ECON 310, 311, or equivalent) can be included in the requirement of 18 credits in courses numbered 300 or above. Economics courses that (i) do not have 6 credits of Principles of Economics as a prerequisite, or (ii) have been granted unassigned transfer credit, or (iii) have been taken on a Credit/D/Fail basis, may not be included in the 30 credits required for a Minor in Economics.

**Courses for Students not Specializing in Economics**

ECON 310 and ECON 311 are designed for upper-year students who want a survey course in economics but who do not want to specialize in the field.

Non-specialists should also note that most 300-level courses have as prerequisites no more than 6 credits of principles of economics.

Please see the undergraduate timetable, available from the School (http://www.economics.ubc.ca), for updated information on courses to be offered each session.

G. A. Deaverdu, R. (Br.Col.), Ph.D. (Qu.)
M. E. Dierewa, M.A. (Br.Col.), Ph.D. (Calif., Berkeley), F.R.S.C.
A. Fortin, B.Sc., M.A. (Montr.), Ph.D. (Br.Col.)
P. Francois, B.A., M.A. (Melb.), Ph.D. (Br.Col.)
D. A. Green, B.A. (Qu.), Ph.D. (Stan.)
Li, Hao, B.A. (Beijing), Ph.D. (Chic.)
A. Lahiri, B.A., M.A. (Delhi), Ph.D. (Maryland)
T. Lemieux, B.A. (Laval), M.A. (Qu.), Ph.D. (Prin.), F.R.S.C.
K. Milligan, B.Comm. (Qu.), M.A., Ph. D. (Tor.)
H. M. Neary, M.Litt. (Dub.), Ph.D. (Calif., Berkeley)
M. Peters, B.A. (McG.), M.A., Ph.D. (Qu.)
A. Redish, B.A. (W.Laur.), M.A., Ph.D. (W.Ont.)
H. Siu, B.A. (Br.Col.), Ph.D. (Northwestern)
E. Snowberg, B.Sc. (M.I.T.), Ph.D. (Stan.)
F. Trebbi, Laur. (Bocconi), M.A., Ph.D. (Harv.)

Associate Professors

M. Bombardini, B.A. (Bologna), Ph.D. (M.I.T.)
M. Drelichman, B.A., M.A. (San Andres, AR), Ph.D. (Northwestern)
J. Gottlieb, B.A., Ph.D. (Harv.)
V. Hnatkovska, B.A. (Chernivtsi), M.A. (Kyiv-Mohyla), M.A., Ph.D. (Georgetown)
H. Kasahara, B.A., M.A. (Tsukuba), M.S., Ph.D. (Wisc.-Mad.)
V. Marmer, B.A., M.A. (Hebrew), M.A., Ph.D. (Yale)
M. Rehavi, A.B. (Harv.), M.Sc. (LSE), Ph.D. (Calif., Berkeley)
P. Schrimpf, B.A. (Chic.), Ph.D. (M.I.T.)
S. Severinov, B.A. (Moscow), M.S., Ph.D. (Stan.)
K. Song, B.A., M.A. (Seoul Nat.), M.A., Ph.D. (Yale)

Assistant Professors

V. Farinha Luz, B.A. (Ibmec, BR), M.A. (FGV, BR), M.A., Ph.D. (Yale)
F. Hoffman, Vordiplom (Mannheim), M.A., Ph.D. (Tor.)
S. Hwang, B.A. (Yonsei), M.P.P. (Mich.), Ph.D. (Chic.)
J. McCasland, B.A. (Calif., L.A.), Ph.D. (Calif., Berkeley)
J. Perla, B.Sc. (Col.), Ph.D. (N.Y.)
T. Rogall, Dipl. (Mannheim), Ph.D. (Stockholm)
M. Squires, B.A. (Mt. All.), M.A. (McG.), Ph.D. (L.S.E.)
T. Swiecki, B.Sc. (L.S.E.), M.A., Ph.D. (Prin.)
M. Szkup, B.A. (L.S.E), Ph.D. (NYU)
F. Valencia Caicedo, B.A. (Brown), M.A. (Yale), Ph.D. (Pomp.Fab.)

Senior Instructors

C. Chapple, B.A.Sc. (Sur.), M.A.Sc., Ph.D. (Br.Col.)
N. Malhotra, M.A. (Delhi), Ph.D. (Maryland)

Instructors

J. L. Graves, B.A. (Vic. B.C.), M.A., Ph.D. (Br.Col.)

Lecturers

M. Adshade, B.A. (York (Can.)), M.A., Ph.D. (Qu.)
E. Hasan, B.A. (NSU), M.A. (York (Can.)), M.A., Ph.D. (S.Fraser)
A. Khan, B.Sc., M.Sc. (Jahang.), Licentiate, Ph.D. (Helsinki)
C. S. Mahmoud, B.A., M.S.S. (Dhaka), M.S., Ph.D. (Purdue)

Professors Emeriti (with Post-Retirement Appointments)

M. Eswaran, B.Sc. (Jabalpur), M.Sc. (I.I.T.), Ph.D. (Louisiana), M.A., Ph.D. (Br.Col.)
N. Gallini, B.A., M.A. (Missouri), Ph.D. (Calif., Berkeley)
J. F. Helliwell, B.A. (Br.Col.), PPE, Ph.D. (Oxf.)
A. Kotwal, B.Tech. (I.I.T.), M.S. (Idaho), Ph.D. (Boston)
G. R. Munro, B.A. (Br.Col.), M.A., Ph.D. (Harv.)
W. C. Riddell, B.A. (RMC), M.A., Ph.D. (Qu.)
M. Slade, B.A. (Vassar), M.A. (Calif., Berkeley), Ph.D. (GWU)