



Requirements approved at the November 2011 Senate Meeting. These requirements may be subject to change until the June 2012 Senate Meeting.

## **Ontario Secondary School Applicants presenting the Ontario High School Curriculum**

Ontario secondary school (OSS) students who will be completing the Ontario high school curriculum must present the Ontario Secondary School Diploma (OSSD) including a minimum of six grade 12 U or M courses. These courses must include all required courses as specified for each program.

An overall average of **79%** on the best six grade 12 courses including the required courses is normally the minimum for consideration. Higher averages are required for admission to programs in which the demand for places by qualified applicants exceeds the number of places available. The actual minimum averages required for these programs are determined each year on the basis of the number and qualifications of applicants and the number of available spaces.

In some programs, applicants may be considered for early conditional admission based on factors that include their grade 11 academic record, their grade 12 record to date, and other factors noted under "Other Documentation" in the chart.

The University reserves the right to withdraw conditional offers of admission if the applicant fails to meet the requirements specified above or any specific conditions stated on the offer of admission.

## Admission Requirements and Recommendations for Year One Programs 2013

Faculty/ Program	Requirements	Recommendations	Other Documentation	Notes
	<p><b>Undergraduate first-year entry programs :</b> All required courses are OSS Grade 12 U courses unless otherwise specified and must be included in the required set of 6. Required courses are included in the calculation of the admission average.</p> <p><b>Programs requiring prior university studies:</b> Requirements are as listed.</p>	<p><b>Undergraduate first-year entry programs:</b> Courses listed are OSS Grade 12 U courses unless otherwise specified and are <b>not required for admission</b> but are recommended because students may find this preparation useful during their university studies.</p> <p><b>Programs requiring prior university studies:</b> Recommendations are as listed.</p>	<p>Information which is used in addition to course requirements is detailed below when applicable. The appropriate information will be requested when an application is acknowledged.</p>	

### Applied Health Sciences

<b>All Programs</b>	All programs require six Grade 12 U or M courses including specified courses.			
<b>Health Studies Regular and Co-op</b>	<ul style="list-style-type: none"> <li>• Biology</li> <li>• Chemistry</li> </ul> <p>A final grade of at least 70% is normally required in each of the above required courses.</p> <ul style="list-style-type: none"> <li>• Additional U or M courses for a total of six</li> </ul>	<ul style="list-style-type: none"> <li>• Advanced Functions</li> <li>• English (ENG4U)</li> </ul> <p>For students considering the Pre-Health Professions Specialization:</p> <ul style="list-style-type: none"> <li>• Advanced Functions</li> <li>• English (ENG4U)</li> <li>• Physics</li> </ul>		<p>Special consideration is given on the basis of strength in Biology and Chemistry. Those not admitted to the co-op program are automatically considered for the corresponding regular program. The first co-op work term begins in Year Two.</p>
<b>Kinesiology Regular and Co-op</b>	<ul style="list-style-type: none"> <li>• Advanced Functions</li> <li>• Chemistry</li> </ul> <p>One of Biology or Physics</p> <p>A final grade of at least 70% is normally required in each of the above required courses.</p> <ul style="list-style-type: none"> <li>• Additional U or M courses for a total of six</li> </ul>			<p>Special consideration is given on the basis of strength in Advanced Functions, Chemistry, and Biology or Physics.</p> <p>Those not admitted to the co-op program are automatically considered for the corresponding regular program. The first co-op work term begins in Year Two.</p>
<b>Recreation and Leisure Studies Regular and Co-op</b>	<ul style="list-style-type: none"> <li>• Any Grade 12 U English</li> </ul> <p>A final grade of at least 70% is normally required.</p> <ul style="list-style-type: none"> <li>• Additional U or M courses for a total of six</li> </ul>	<p>For all students:</p> <ul style="list-style-type: none"> <li>• one Grade 12 U or M course from Arts, Business Studies, Canadian and World Studies, Classical Studies, French as a Second Language, Interdisciplinary Studies, International Languages, or Social Sciences and Humanities courses</li> </ul> <p>For students considering the Therapeutic Recreation program:</p> <ul style="list-style-type: none"> <li>• Biology or Exercise Science</li> </ul> <p>For students considering the Recreation and Business program:</p> <ul style="list-style-type: none"> <li>• Grade 12 M Principles of Financial Accounting</li> </ul>	Admission Information Form (AIF) is required.	<p>Applicants should be aware that, although this is a social science program, courses in research methods and statistics are included in the curriculum. Writing skills are important. Involvement in extracurricular activities is an important factor in admission decisions.</p> <p>Those not admitted to the co-op program are automatically considered for the corresponding regular program. Limited admission to co-op is also available in Year Two. The first co-op work term begins in Year Two.</p>

## Admission Requirements and Recommendations for Year One Programs 2013

Faculty/ Program	Requirements	Recommendations	Other Documentation	Notes
	<p><b>Undergraduate first-year entry programs :</b> All required courses are OSS Grade 12 U courses unless otherwise specified and must be included in the required set of 6. Required courses are included in the calculation of the admission average.</p> <p><b>Programs requiring prior university studies:</b> Requirements are as listed.</p>	<p><b>Undergraduate first-year entry programs:</b> Courses listed are OSS Grade 12 U courses unless otherwise specified and are not required for admission but are recommended because students may find this preparation useful during their university studies.</p> <p><b>Programs requiring prior university studies:</b> Recommendations are as listed.</p>	Information which is used in addition to course requirements is detailed below when applicable. The appropriate information will be requested when an application is acknowledged.	

### Arts

<b>Arts (All Programs)</b>	All programs require six Grade 12 U or M courses including a Grade 12 U English.			When the Admissions Committee considers an application individually, it bases its decision on the overall average, the English grade, and information provided on the Admission Information Form. If Grade 12 courses are repeated, the highest grade attained will be used for making admission decisions. Renison University College and St. Jerome's University have the same admission standards as the University.
<b>Honours Arts Regular</b>		For Social Science programs such as Anthropology; Economics; Geography and Environmental Management; Political Science; Psychology; Sexuality, Marriage, and Family Studies; Social Development Studies; or Sociology:	Admission Information Form (AIF) is strongly recommended.	Entry to General or Honours major programs, including departmental co-op, occurs following Year One, and is based on academic performance in Year One in relevant courses in the prospective major. Honours Arts Regular is offered through the University of Waterloo, Renison University College, and St. Jerome's University.
<b>Arts and Business Regular and Co-op</b>	In addition to the requirement for all Arts programs specified above, a final grade of at least 70% in any Grade 12 U English is required.	<ul style="list-style-type: none"> <li>Mathematics of Data Management</li> </ul> <p>For Economics: Calculus and Vectors is also recommended; however, students may decide to take an introductory calculus course in first year to acquire additional background.</p>		Selection of the Honours major which is to be combined with Arts and Business occurs following Year One and is based on academic performance in the prospective major in Year One. Honours Arts and Business is offered through the University of Waterloo, Renison University College, and St. Jerome's University. Those not admitted to the Co-op program are automatically considered for the corresponding Regular program.
<b>Global Business and Digital Arts Regular</b>	In addition to the requirement for all Arts programs specified above, a final grade of at least 75% in any Grade 12 U English is required.	<ul style="list-style-type: none"> <li>Mathematics of Data Management is strongly recommended</li> </ul>	Admission Form (AIF) is strongly recommended.	
<b>Social Development Studies Regular Renison University College</b>	In addition to the requirement for all Arts programs specified above, a final grade of at least 70% in any Grade 12 U English is required.	<ul style="list-style-type: none"> <li>Mathematics of Data Management</li> </ul>	Admission Form (AIF) is strongly recommended.	Those not admitted to Social Development Studies in Year One are automatically considered for Honours Arts Regular through Renison University College. Based on academic performance in Year One, admission to General or Honours Social Development Studies at the Year Two level is possible.

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	<p><b>Undergraduate first-year entry programs :</b> All required courses are OSS Grade 12 U courses unless otherwise specified and must be included in the required set of 6. Required courses are included in the calculation of the admission average.</p> <p><b>Programs requiring prior university studies:</b> Requirements are as listed.</p>	<p><b>Undergraduate first-year entry programs:</b> Courses listed are OSS Grade 12 U courses unless otherwise specified and are not required for admission but are recommended because students may find this preparation useful during their university studies.</p> <p><b>Programs requiring prior university studies:</b> Recommendations are as listed.</p>	<p>Information which is used in addition to course requirements is detailed below when applicable. The appropriate information will be requested when an application is acknowledged.</p>	
<b>Arts (Continued)</b>				
<p><b>Accounting and Financial Management - Business and Finance Co-op</b></p> <p><b>Accounting and Financial Management - CA Co-op</b></p> <p>(CA refers to Chartered Accountancy)</p>	<ul style="list-style-type: none"> <li>• Any Grade 12 U English. A final grade of at least 75% is required.</li> <li>• Advanced Functions</li> <li>• Calculus and Vectors</li> <li>• Three other U or M courses</li> </ul>	<ul style="list-style-type: none"> <li>• Grade 12 M Principles of Financial Accounting</li> <li>• Grade 12 U Mathematics of Data Management</li> </ul>	<p>Admission Information Form (AIF) is required.</p> <p>Accounting and Financial Management Admissions Assignment. See notes section.</p>	<p>Applicants are selected to complete the Accounting and Financial Management Admissions Assignment (AFMAA) on the basis of grade 11 final marks and any interim or final grade 12 marks available at the time the AFMAA invite selection occurs. Those selected to complete the AFMAA are invited and expected to come to the University when the Assignment is scheduled. Arrangements will be made for applicants who cannot write the AFMAA on campus. Admission is based on secondary school or any post-secondary school achievement, the results of the AFMAA, and the Admission Information Form.</p> <p>Consideration will be given to admission at the Year Two level for students who have successfully completed the Year One prerequisites.</p>
<p><b>Independent Studies Regular</b></p>	<p>In addition to the requirement for all Arts programs, a final grade of at least 70% in any Grade 12 U English is required.</p>		<p>Autobiographical Letter</p> <p>Interview</p> <p>Letters of Reference</p>	<p>Applicants should be capable of doing university-level work on their own and should be planning studies that can be done at the University of Waterloo.</p>
<b>Computing and Financial Management (Co-op)</b>				
<p><b>Computing and Financial Management Co-op</b></p>	<ul style="list-style-type: none"> <li>• Advanced Functions</li> <li>• Calculus and Vectors</li> <li>• Any Grade 12 U English. A final grade of at least 75% is required.</li> <li>• One other Grade 12 U course</li> <li>• Two other U or M courses</li> </ul>	<ul style="list-style-type: none"> <li>• Grade 11 U Introduction to Computer Science</li> <li>• Grade 12 M Principles of Financial Accounting</li> </ul>	<p>Admission Information Form (AIF), which includes a teacher reference, is strongly recommended. All applicants are encouraged to write the Euclid Mathematics Contest. Applicants not currently attending an Ontario Secondary School are strongly advised to write the Euclid contest to demonstrate that they have sufficient mathematical background.</p> <p>The Canadian Computing Competition is recommended.</p>	<p>In addition to a strong academic background, other factors considered in the admission process include performance in contests such as the Euclid Mathematics Contest and the Canadian Computing Competition, the number and variety of courses taken, involvement in extracurricular activities in the school and/or the community, and teacher recommendations.</p> <p>Those not offered admission to Computing and Financial Management may be considered for alternative programs in the Faculty of Mathematics.</p>

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	<p><b>Undergraduate first-year entry programs :</b> All required courses are OSS Grade 12 U courses unless otherwise specified and must be included in the required set of 6. Required courses are included in the calculation of the admission average.</p> <p><b>Programs requiring prior university studies:</b> Requirements are as listed.</p>	<p><b>Undergraduate first-year entry programs:</b> Courses listed are OSS Grade 12 U courses unless otherwise specified and are not required for admission but are recommended because students may find this preparation useful during their university studies.</p> <p><b>Programs requiring prior university studies:</b> Recommendations are as listed.</p>	<p>Information which is used in addition to course requirements is detailed below when applicable. The appropriate information will be requested when an application is acknowledged.</p>	
<b>Engineering (Co-op)</b>				
<p><b>Architecture Co-op</b></p>	<ul style="list-style-type: none"> <li>• English (ENG4U). A final grade of at least 75% is normally required.</li> <li>• Advanced Functions</li> <li>• Calculus and Vectors</li> <li>• Physics</li> </ul> <p>A final grade of at least 70% is normally required in each of these courses.</p> <ul style="list-style-type: none"> <li>• Two other U or M courses</li> </ul>	<ul style="list-style-type: none"> <li>• Grade 11 or 12 M Art courses</li> <li>• Independent arts studies</li> <li>• Creative and cultural studies such as visual arts and history</li> </ul>	<p>Interview</p> <p>English précis-writing exercise</p> <p>Portfolio</p> <p>Admission Information Form (AIF) is required.</p>	<p>Applicants are selected for the interview on the basis of grade 11 marks and any interim or final OSS grade 12 marks available at the time interview selection occurs. Those selected for an interview are expected to come to the University. Admission is based on the results of the interview, the portfolio, the English précis-writing exercise, and secondary school achievement.</p>
<p><b>Chemical Civil Computer Electrical Environmental Geological Management Mechanical Mechatronics Nanotechnology Systems Design Co-op</b></p>	<ul style="list-style-type: none"> <li>• Advanced Functions</li> <li>• Calculus and Vectors</li> <li>• Chemistry</li> <li>• English (ENG4U)</li> <li>• Physics</li> </ul> <p>A final grade of at least 70% is normally required in each of these courses.</p> <ul style="list-style-type: none"> <li>• One other U or M courses</li> </ul>		<p>Admission Information Form (AIF) is required.</p>	<p>In addition to a strong academic background, other factors which will be considered in the admissions process include involvement in extracurricular activities in school and/or in the community; evidence of an interest in engineering; and strong performance in mathematics, science, or engineering-related competitions.</p> <p>Those not offered admission to their first-choice program may be considered for other engineering programs that they specify on the Admission Information Form.</p>

## Admission Requirements and Recommendations for Year One Programs 2013

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	<p><b>Undergraduate first-year entry programs :</b> All required courses are OSS Grade 12 U courses unless otherwise specified and must be included in the required set of 6. Required courses are included in the calculation of the admission average.</p> <p><b>Programs requiring prior university studies:</b> Requirements are as listed.</p>	<p><b>Undergraduate first-year entry programs:</b> Courses listed are OSS Grade 12 U courses unless otherwise specified and are not required for admission but are recommended because students may find this preparation useful during their university studies.</p> <p><b>Programs requiring prior university studies:</b> Recommendations are as listed.</p>	<p>Information which is used in addition to course requirements is detailed below when applicable. The appropriate information will be requested when an application is acknowledged.</p>	

### Environment

<b>Environment and Business Co-op</b>	<ul style="list-style-type: none"> <li>• Any Grade 12 U English. A final grade of at least 70% is normally required.</li> <li>• Five other U or M courses</li> </ul>	<ul style="list-style-type: none"> <li>• One Grade 12 U Mathematics</li> <li>• One Grade 12 U Science</li> <li>• Grade 12 M Principles of Financial Accounting</li> <li>• Analysing Current Economics Issues (where offered)</li> </ul>	Admission Information Form (AIF)	Those not admitted to Honours Environment and Business Co-op are automatically considered for Honours Geography and Environmental Management.  The first co-op work term begins in Year Two.
<b>Environment and Resource Studies Regular and Co-op</b>	<ul style="list-style-type: none"> <li>• Any Grade 12 U English. A final grade of at least 70% is normally required.</li> <li>• Five other U or M courses</li> </ul>	At least one Grade 12 U or M course from each of <ul style="list-style-type: none"> <li>• Canadian and World Studies or Social Sciences and Humanities or the Arts</li> <li>• Mathematics or Science</li> </ul>	Admission Information Form (AIF)	In accordance with the trans-disciplinary nature of ERS, we value flexibility and breadth of learning and experience.  Those not admitted to the co-op program are automatically considered for the corresponding regular program.  Limited admission to co-op is also available in Year Two. The first co-op work term begins in Year Two.
<b>Geography and Aviation Regular</b>	<ul style="list-style-type: none"> <li>• Any Grade 12 U English. A final grade of at least 70% is normally required.</li> <li>• A Grade 12 U Mathematics. A final grade of at least 70% is required.</li> <li>• Four other U or M courses</li> </ul>	<ul style="list-style-type: none"> <li>• One or more Grade 12 U or M Geography courses are strongly recommended.</li> <li>• A second Grade 12 U Mathematics</li> <li>• Earth and Space Science</li> </ul>	Admission Information Form (AIF)  Program Briefing Session  Transport Canada Category 1 Medical Certification	Those not admitted to Honours Geography and Aviation are automatically considered for Honours Geomatics Regular.
<b>Geography and Environmental Management Regular and Co-op</b>	<ul style="list-style-type: none"> <li>• Any Grade 12 U English. A final grade of at least 70% is normally required.</li> <li>• Five other U or M courses</li> </ul>	<ul style="list-style-type: none"> <li>• One or more Grade 12 U or M Geography courses are strongly recommended.</li> <li>• A Grade 12 U Mathematics</li> <li>• Earth and Space Science</li> </ul>	Admission Information Form (AIF)	Those not admitted to the co-op program are automatically considered for the corresponding regular program.  Limited admission to co-op is also available in Year Two. The first co-op work term begins in Year Two.

## Admission Requirements and Recommendations for Year One Programs 2013

Faculty/ Program	Requirements	Recommendations	Other Documentation	Notes
	<p><b>Undergraduate first-year entry programs :</b> All required courses are OSS Grade 12 U courses unless otherwise specified and must be included in the required set of 6. Required courses are included in the calculation of the admission average.</p> <p><b>Programs requiring prior university studies:</b> Requirements are as listed.</p>	<p><b>Undergraduate first-year entry programs:</b> Courses listed are OSS Grade 12 U courses unless otherwise specified and are not required for admission but are recommended because students may find this preparation useful during their university studies.</p> <p><b>Programs requiring prior university studies:</b> Recommendations are as listed.</p>	Information which is used in addition to course requirements is detailed below when applicable. The appropriate information will be requested when an application is acknowledged.	

### Environment (cont'd)

<p><b>Geomatics Regular and Co-op</b></p>	<ul style="list-style-type: none"> <li>• Any Grade 12 U English. A final grade of at least 70% is normally required.</li> <li>• A Grade 12 U Mathematics. A final grade of at least 70% is required.</li> <li>• Four other U or M courses</li> </ul>	<ul style="list-style-type: none"> <li>• A second Grade 12 U Mathematics</li> <li>• Grade 11 U Introduction to Computer Science is highly recommended.</li> <li>• Grade 12 U Computer Science would be an asset.</li> </ul>	Admission Information Form (AIF)	<p>Those not admitted to the co-op program are automatically considered for the corresponding regular program.</p> <p>Limited admission to co-op is also available in Year Two. The first co-op work term begins in Year Two.</p>
<p><b>International Development Regular</b></p>	<ul style="list-style-type: none"> <li>• Any Grade 12 U English. A final grade of at least 70% is normally required.</li> <li>• At least one Grade 12 U Science or Mathematics course. A final grade of at least 70% is normally required.</li> <li>• Four other U or M courses</li> </ul>	<ul style="list-style-type: none"> <li>• At least one Grade 12 U course in a second language</li> </ul>	Admission Information Form (AIF) is required.	
<p><b>Knowledge Integration Regular</b></p>	<ul style="list-style-type: none"> <li>• Any Grade 12 U English. A final grade of at least 75% is normally required.</li> <li>• Any Grade 12 U Science. A final grade of at least 75% is normally required.</li> <li>• Any Grade 12 U Mathematics. A final grade of at least 75% normally required.</li> <li>• Three other U or M courses</li> </ul>		Admission Information Form (AIF) is required.	
<p><b>Planning Co-op</b></p>	<ul style="list-style-type: none"> <li>• Any Grade 12 U English. A final grade of at least 75% is required.</li> <li>• Five other U or M courses</li> </ul>	<p>Grade 12 U or M courses from the following:</p> <ul style="list-style-type: none"> <li>• Canadian and World Studies</li> <li>• Mathematics</li> <li>• Science, preferably Biology or Earth and Space Science</li> </ul>	Admission Information Form (AIF)	The first co-op work term begins in Year Two.

## Admission Requirements and Recommendations for Year One Programs 2013

Faculty/ Program	Requirements	Recommendations	Other Documentation	Notes
	<p><b>Undergraduate first-year entry programs :</b> All required courses are OSS Grade 12 U courses unless otherwise specified and must be included in the required set of 6. Required courses are included in the calculation of the admission average.</p> <p><b>Programs requiring prior university studies:</b> Requirements are as listed.</p>	<p><b>Undergraduate first-year entry programs:</b> Courses listed are OSS Grade 12 U courses unless otherwise specified and are not required for admission but are recommended because students may find this preparation useful during their university studies.</p> <p><b>Programs requiring prior university studies:</b> Recommendations are as listed.</p>	<p>Information which is used in addition to course requirements is detailed below when applicable. The appropriate information will be requested when an application is acknowledged.</p>	

### Mathematics

<p><b>Computer Science Regular and Co-op</b></p> <p><b>Mathematics Regular and Co-op</b></p> <p><b>Mathematics/Chartered Accountancy Co-op</b></p> <p><b>Mathematics/Business Administration Regular and Co-op</b></p> <p><b>Mathematics/Financial Analysis and Risk Management Regular and Co-op</b></p> <p><b>Business Administration and Mathematics Double Degree Co-op</b></p> <p><b>Business Administration and Computer Science Double Degree Co-op</b></p>	<ul style="list-style-type: none"> <li>• Advanced Functions</li> <li>• Calculus and Vectors</li> <li>• Any Grade 12 U English</li> <li>• One other Grade 12 U course.</li> <li>• Two other U or M courses.</li> </ul>	<p>Applicants to all programs in Mathematics:</p> <ul style="list-style-type: none"> <li>• Grade 11 U Introduction to Computer Science</li> </ul> <p>Applicants to Mathematics/Chartered Accountancy:</p> <ul style="list-style-type: none"> <li>• Grade 12 M Principles of Financial Accounting</li> </ul>	<p>Admission Information Form (AIF) which includes a teacher reference. The AIF is required for Math/Chartered Accountancy, Math/Business Admin., Math/Financial Analysis and Risk Mgmt, Business Admin/Math, Double Degree.</p> <p>For all other programs the AIF is strongly recommended, especially for co-op programs.</p> <p>All applicants are encouraged to write the Euclid Mathematics Contest. Applicants not currently attending an Ontario Secondary School are strongly advised to write the Euclid Contest to demonstrate that they have sufficient mathematical background.</p> <p>For those applying to Bioinformatics, Computer Science, Business Administration and Computer Science Double Degree, the Canadian Computing Competition is recommended.</p>	<p>All Mathematics programs are offered through the University of Waterloo and St. Jerome's University. The decision to register at St. Jerome's occurs after admission.</p> <p>In addition to a strong academic background, other factors considered in the admissions process include performance in contests such as the Euclid Mathematics Contest and the Canadian Computing Competition, the number and variety of courses taken, involvement in extracurricular activities in the school and/or the community, and teacher recommendations.</p> <p>Those not offered admission to their first choice program will be considered for other Mathematics programs.</p> <p>The Faculty administers the English Language for Academic Studies (ELAS) program for those with exceptional mathematics skills who do not meet normal English language requirements.</p> <p>Admission to the Mathematics/Teaching Co-op program occurs in Year Two after successful completion of Year One in either Honours Co-op Computer Science or Honours Co-op Mathematics.</p> <p>Honours Business Administration and Mathematics Co-op is a double degree program offered jointly by Wilfrid Laurier University and Waterloo leading to BBA and BMath degrees.</p> <p>Honours Business Administration and Computer Science Co-op is a double degree program offered jointly by Wilfrid Laurier University and Waterloo leading to BBA and BCS degrees.</p>
<p><b>Bioinformatics Regular and Co-op</b></p>	<ul style="list-style-type: none"> <li>• Advanced Functions</li> <li>• Calculus and Vectors</li> <li>• Chemistry</li> <li>• Any Grade 12 U English</li> <li>• One of Biology or Physics</li> <li>• One other U or M course.</li> </ul>			



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	<p><b>Undergraduate first-year entry programs :</b> All required courses are OSS Grade 12 U courses unless otherwise specified and must be included in the required set of 6. Required courses are included in the calculation of the admission average.</p> <p><b>Programs requiring prior university studies:</b> Requirements are as listed.</p>	<p><b>Undergraduate first-year entry programs:</b> Courses listed are OSS Grade 12 U courses unless otherwise specified and are not required for admission but are recommended because students may find this preparation useful during their university studies.</p> <p><b>Programs requiring prior university studies:</b> Recommendations are as listed.</p>	<p>Information which is used in addition to course requirements is detailed below when applicable. The appropriate information will be requested when an application is acknowledged.</p>	
<b>Science</b>				
<b>Biotechnology/ Chartered Accountancy Co-op</b>	Six Grade 12 U or M courses including	<ul style="list-style-type: none"> <li>• Biology</li> <li>• Chemistry</li> <li>• Grade 12 M Principles of Financial Accounting</li> </ul>	Admission Information Form (AIF) is strongly recommended.	Where an entry program is available in both co-op and regular, those not admitted to co-op are automatically considered for the corresponding regular program.  In some programs, limited admission to co-op is possible in Year Two.
<b>Biotechnology/ Economics Co-op</b>		<ul style="list-style-type: none"> <li>• Biology</li> <li>• Chemistry</li> </ul>		
<b>Honours Science Regular</b>	<ul style="list-style-type: none"> <li>• Any Grade 12 U English.</li> <li>• Advanced Functions</li> <li>• Calculus and Vectors</li> </ul> <p>A final grade of at least 70% is normally required in each of these courses.</p>	<ul style="list-style-type: none"> <li>• Chemistry</li> <li>• Earth and Space Science</li> <li>• Physics</li> </ul>		
<b>Environmental Science Regular and Co-op</b>		<ul style="list-style-type: none"> <li>• Chemistry</li> <li>• Earth and Space Science</li> <li>• Physics</li> </ul>		
<b>Life Sciences Regular and Co-op</b>	Two of	<ul style="list-style-type: none"> <li>• Biology</li> </ul>		
<b>Physical Sciences Regular and Co-op</b>	<ul style="list-style-type: none"> <li>• Chemistry</li> <li>• Earth and Space Science</li> <li>• Mathematics of Data Management</li> </ul>	<ul style="list-style-type: none"> <li>• Chemistry</li> <li>• Earth and Space Science</li> <li>• Physics</li> </ul>		
<b>Science and Aviation Regular</b>	<ul style="list-style-type: none"> <li>• Physics</li> </ul> <p>One additional U or M course.</p>	<ul style="list-style-type: none"> <li>• Chemistry</li> <li>• Earth and Space Science</li> <li>• Physics</li> </ul>		
<b>Science and Business Regular and Co-op (All specializations)</b>		<ul style="list-style-type: none"> <li>• Chemistry</li> <li>• Grade 12 M International Business Fundamentals</li> </ul>	Admission Information Form (AIF) is strongly recommended.	
<b>Optometry Regular</b>	Successful completion of at least three full years of university-level science with specific course requirements.		<ul style="list-style-type: none"> <li>• Optometry Admissions Test (OAT)</li> <li>• Autobiographical Sketch</li> <li>• Essay</li> <li>• Optometrist and Academic References</li> </ul>	Please refer to the School of Optometry website regarding required and recommended university-level courses.

## Admission Requirements and Recommendations for Year One Programs 2013

Faculty/ Program	Requirements	Recommendations	Other Documentation	Notes
	<p><b>Undergraduate first-year entry programs :</b> All required courses are OSS Grade 12 U courses unless otherwise specified and must be included in the required set of 6. Required courses are included in the calculation of the admission average.</p> <p><b>Programs requiring prior university studies:</b> Requirements are as listed.</p>	<p><b>Undergraduate first-year entry programs:</b> Courses listed are OSS Grade 12 U courses unless otherwise specified and are not required for admission but are recommended because students may find this preparation useful during their university studies.</p> <p><b>Programs requiring prior university studies:</b> Recommendations are as listed.</p>	<p>Information which is used in addition to course requirements is detailed below when applicable. The appropriate information will be requested when an application is acknowledged.</p>	

### Pharmacy Co-op

<b>Pharmacy Co-op</b>	Successful completion of at least two full years of university-level science with specific course requirements.		<ul style="list-style-type: none"> <li>• Pharmacy Admission Profile</li> <li>• Letter of Reference Form</li> <li>• Interview</li> <li>• Reading Comprehension/ Writing Test</li> </ul>	<p>Please refer to the School of Pharmacy website regarding admission averages and required university-level courses.</p> <p>Secondary School applicants applying to Honours Science or Honours Life Sciences may also be considered for conditional admission to Pharmacy. Refer to School of Pharmacy website regarding requirements.</p>
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### Social Work

<b>Social Work - Regular Renison University College</b>	Successful completion of either a three-year or a four-year undergraduate university degree with a B average and at least 6.0 units in the social sciences, including 10 specified courses from the Renison curriculum or their equivalents.		Letter of reference and personal statement which demonstrates sufficient practical experience and personal suitability are required.	Please refer to the Social Work website regarding required university-level courses.
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### Software Engineering (Co-op)

<b>Software Engineering Co-op</b>	<ul style="list-style-type: none"> <li>• Advanced Functions</li> <li>• Calculus and Vectors</li> <li>• Chemistry</li> <li>• English (ENG4U)</li> <li>• Physics</li> </ul> <p>A final grade of at least 70% is normally required in each of these courses.</p> <ul style="list-style-type: none"> <li>• One other U or M course</li> </ul>	<ul style="list-style-type: none"> <li>• Grade 11 U Introduction to Computer Science is highly recommended.</li> <li>• Grade 12 U Computer Science would be an asset.</li> </ul>	<p>Admission Information Form (AIF) is required.</p> <p>Experience in developing well-structured, modular programs is required, as demonstrated by at least one of the following:</p> <p>(1) strong performance in a programming course such as Grade 11 U Intro to Computer Science or Grade 12 U Computer Science or equivalent,</p> <p>(2) strong performance in a programming contest, such as the Canadian Computing Competition,</p> <p>(3) significant work experience,</p> <p>(4) other (must be explained on the Admission Information Form).</p>	<p>In addition to a strong academic background, other factors which will be considered in the admissions process include involvement in extracurricular activities in school and/or the community; evidence of interest in software engineering, additional OSS Grade 12 courses; and participation in mathematics, science, engineering, or programming competitions. All applicants are encouraged to write the Euclid Mathematics Contest.</p> <p>Those not offered admission to Software Engineering may be considered for alternate engineering programs or for computer science; applicants specify their preferences for alternate programs on their Admission Information Form.</p>
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