**Open Session**

<table>
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<td>1. Declarations of Conflict of Interest - Excerpt from Senate Bylaw 1*</td>
<td>Information</td>
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<td>2. Approval of the 8 October 2019 Minutes** and Business Arising</td>
<td>UGC</td>
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<tr>
<td>3. Curricular Items for Approval &amp; Information</td>
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<tr>
<td>a. Engineering*</td>
<td>UGC</td>
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<tr>
<td>b. Science*</td>
<td>2.1, 4.1 SEN-C; rest UGC</td>
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<td>4. Registrar’s Office</td>
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<tr>
<td>a. New Undergraduate Scholarships, Awards &amp; Bursaries*</td>
<td>Information</td>
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<tr>
<td>5. Senate Undergraduate Council and the Strategic Plan 2020-2025</td>
<td>Discussion</td>
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<td>6. Academic Program Reviews</td>
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<tr>
<td>a. Academic Program Reviews - Status</td>
<td>Information</td>
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<td>7. Other Business</td>
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<tr>
<td>8. Next Meeting: Tuesday 10 December 2019, 12:00 to 2:00 p.m. in NH 3318</td>
<td></td>
</tr>
</tbody>
</table>

*material attached/to be distributed**

“SEN-C” to be recommended to Senate for approval (consent agenda)
“SEN-R” to be recommended to Senate for approval (regular agenda)
“UGC” to be approved on behalf of Senate & sent to Senate for information

7 November 2019
Rebecca Wickens
Associate University Secretary
Excerpt from Senate Bylaw 1

8. Declarations of conflict of interest

8.01 At the beginning of each meeting of Senate or any of Senate’s committees or councils, the chair will call for members to declare any conflicts of interest with regard to any agenda item. For agenda items to be discussed in closed session, the chair will call for declarations of conflict of interest at the beginning of the closed portion of the meeting. Members may nonetheless declare conflicts at any time during a meeting.

8.02 A member shall be considered to have an actual, perceived or potential conflict of interest, when the opportunity exists for the member to use confidential information gained as a member of Senate, or any of Senate’s committees or councils, for the personal profit or advantage of any person, or use the authority, knowledge or influence of the Senate, or a committee or council thereof, to further her/his personal, familial or corporate interests or the interests of an employee of the university with whom the member has a marital, familial or sexual relationship.

8.03 Members who declare conflicts of interest shall not enter into debate nor vote upon the specified item upon which they have declared a conflict of interest. The chair will determine whether it is appropriate for said member to remove themselves from the meeting for the duration of debate on the specified item(s).

8.04 Where Senate or a committee or council of Senate is of the opinion that a conflict of interest exists that has not been declared, the body may declare by a resolution carried by two-thirds of its members present at the meeting that a conflict of interest exists and a member thus found to be in conflict shall not enter into debate on the specified item upon which they have declared a conflict of interest. The chair will determine whether it is appropriate for said member to remove themselves from the meeting for the duration of debate on the specified item(s).
MEMORANDUM

October 29, 2019

TO: Rebecca Wickens, Associate University Secretary, Secretariat

FROM: Paul Fieguth, Interim Associate Dean, Undergraduate Studies, Faculty of Engineering

SUBJECT: Items for Approval at November 12, 2019 Senate Undergraduate Council

FACULTY OF ENGINEERING REPORT TO
SENATE UNDERGRADUATE COUNCIL

November 12, 2019

1. COURSE CHANGES
   1.1 MSCI, NE........................................................................................................2

2. ACADEMIC PLANS (MINOR MODIFICATIONS)
   2.1 Architectural Engineering and Civil Engineering ........................................3

Paul Fieguth
Acting Associate Dean, Undergraduate Studies
Faculty of Engineering

SUC submission\November 12, 2019
1. COURSE CHANGES

1.1 MSCI, NE

Effective Date: September 1, 2019

Courses:
- MSCI 391 Work Term Report (Course approved by SUC June 24, 2015 for 2016-2017 Calendar)
- MSCI 392 Work Term Report (Course approved by SUC June 24, 2015 for 2016-2017 Calendar)
- MSCI 491 Work Term Report (Course approved by SUC June 24, 2015 for 2016-2017 Calendar)
- NE 250 Work Term Report (Course approved by SUC October 13, 2015 for 2016-2017 Calendar)
- NE 350 Work Term Report (Course approved by SUC October 13, 2015 for 2016-2017 Calendar)
- NE 450 Work Term Report (Course approved by SUC October 13, 2015 for 2016-2017 Calendar)

Proposal: To code these courses with no fees, similar to other Work Report courses. In order to effect the correct coding, the Registrar’s Office requires SUC approval to code these courses, such that:
- No course fee is charged.
- They are to count in averages.
- They are to count as fail counts.

Rationale: These 0.13 weight courses were approved for the 2016-2017 Calendar as work term courses. As such, it was intended that they be taken during academic terms and therefore be included in the term fee. When the courses were approved, there was no indication given to the Registrar’s Office that these courses should be treated any differently than regular MSCI and NE courses. Exchange students, however, may initiate a sequence change and take these courses when on a work term and in this case, they should not be charged a course fee.

Background:

<table>
<thead>
<tr>
<th>Courses</th>
<th>Management Engineering</th>
<th>Nanotechnology Engineering</th>
</tr>
</thead>
<tbody>
<tr>
<td>MSCI 391, 392, 491 Work-term Report [0.13]</td>
<td>NE 250, 350, 450 Work-term Report [0.13]</td>
<td></td>
</tr>
<tr>
<td>Rationale:</td>
<td>Management Engineering wishes to have specific MSCI work-report</td>
<td>Nanotechnology Engineering wishes to have specific NE work-</td>
</tr>
</tbody>
</table>
courses which are included in the term average. term report courses which are included in the academic term average. This work-term report course will improve our students' communication abilities through feedback prior to the final submission for grading, and enable us to identify aspects of lifelong learning being acquired by our students.

| SUC Approval | June 24, 2015 | October 13, 2015 |

2. ACADEMIC PLANS (MINOR MODIFICATIONS)

2.1 Architectural Engineering and Civil Engineering

**Effective Date:** September 1, 2020

**Background and Rationale:** To add a corequisite requirement (KIN 100L) for an AHS course (KIN 100) currently listed List D for Architectural Engineering and List C for Civil Engineering. The Faculty of Applied Health Sciences has recently informed the Faculty of Engineering that KIN 100 (0.50) has a corequisite lab course KIN 100L (0.25). Architectural Engineering and Civil Engineering wish to list KIN 100/KIN 100L together in Lists D and C respectively, so that students are aware of the corequisite lab should they wish to take KIN 100. In Architectural Engineering, at least one of the eight technical electives must be from List D (Natural Science Technical Electives), and in Civil Engineering, at least one of the eight technical electives must be from List C (Natural Science Technical Electives).
### List D - Natural Science Technical Electives

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Term</th>
</tr>
</thead>
<tbody>
<tr>
<td>BIOL 130</td>
<td>Introductory Cell Biology</td>
<td>F,W,S</td>
</tr>
<tr>
<td>BIOL 150</td>
<td>Organismal and Evolutionary Ecology</td>
<td>F</td>
</tr>
<tr>
<td>BIOL 240</td>
<td>Fundamentals of Microbiology</td>
<td>F,W,S</td>
</tr>
<tr>
<td>BIOL 273</td>
<td>Principles of Human Physiology 1</td>
<td>F,W</td>
</tr>
<tr>
<td>CHE 161</td>
<td>Engineering Biology</td>
<td>W,S</td>
</tr>
<tr>
<td>CHEM 209</td>
<td>Introductory Spectroscopy and Structure</td>
<td>F</td>
</tr>
<tr>
<td>CHEM 262</td>
<td>Organic Chemistry for Engineering</td>
<td>F,W</td>
</tr>
<tr>
<td>EARTH 221</td>
<td>Geochemistry 1</td>
<td>W,S</td>
</tr>
<tr>
<td>EARTH 270</td>
<td>Disasters and Natural Hazards</td>
<td>W</td>
</tr>
<tr>
<td>EARTH 281</td>
<td>Geological Impacts on Human Health</td>
<td>W</td>
</tr>
<tr>
<td>ENVS 200</td>
<td>Field Ecology</td>
<td>F,W,S</td>
</tr>
</tbody>
</table>
| KIN 100/KIN 100L | Human Anatomy: Limbs and Trunk/
<p>|             | Human Anatomy Lab                           | W     |
| SCI 207    | Physics, the Universe, and Everything        | W     |
| SCI 238    | Introductory Astronomy                       | F,W,S |</p>
<table>
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<td>F</td>
</tr>
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<td>CHEM 262</td>
<td>Organic Chemistry for Engineering</td>
<td>F,W</td>
</tr>
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<td>Geochemistry 1</td>
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<td>Disasters and Natural Hazards</td>
<td>W</td>
</tr>
<tr>
<td>EARTH 281</td>
<td>Geological Impacts on Human Health</td>
<td>W</td>
</tr>
<tr>
<td>ENVS 200</td>
<td>Field Ecology</td>
<td>F,W,S</td>
</tr>
<tr>
<td>KIN 100/KIN</td>
<td>Human Anatomy: Limbs and Trunk/<strong>Human Anatomy Lab</strong></td>
<td>W</td>
</tr>
<tr>
<td>100L</td>
<td></td>
<td></td>
</tr>
<tr>
<td>SCI 207</td>
<td>Physics, the Universe, and Everything</td>
<td>W</td>
</tr>
<tr>
<td>SCI 238</td>
<td>Introductory Astronomy</td>
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</tr>
</tbody>
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  2.1 Closure of Application to online Three-Year General Science Program .......... 2
3 ACADEMIC PLANS (MINOR MODIFICATIONS) ................................................ 3
  3.1 Honours Biochemistry, Biotechnology Specialization (Reg. & Co-op) .............. 3
  3.2 Honours Co-operative Biotechnology/Economics – For information only ........... 4
4 ACADEMIC PLAN INACTIVATIONS ............................................................... 4
  4.1 Honours Co-operative Biotechnology/Economics ....................................... 4
1 Changes to Existing Courses

1.1 Pharmacy
PHARM 462
Effective Date: Sept. 1, 2019

Background and Rationale: Reactivation of this course was approved at September 2017 SUC. The grading basis for this course was not specified and therefore set up as NUM (numeric) by default. Grading basis of P60, the standard minimum passing grade for most PHARM courses is required.

2 ACADEMIC PLANS (MAJOR MODIFICATIONS)

2.1 Closure of Application to online Three-Year General Science Program

Effective Date: September 1, 2019

Background and Rationale: With the approval of the Science Administrative Committee, the Faculty of Science is closing applications to online only completion of the Three-Year General Science program, until such a time as the Faculty develops a more robust set of Science courses to allow the degree to be completed entirely online at UWaterloo. The Faculty of Science currently has insufficient online courses to allow the program to be completed online at UWaterloo (at least 1.5 Science units must be completed at other institutions). Ending applications to this academic plan via online only study will not affect applications to this academic plan via part-time on-campus study.

The program itself is not being inactivated; therefore, no changes to Science Calendar pages are required, with the exception of removing advising notes specific to online students (Additional Program Condition #8 on the following Calendar page: http://ugradcalendar.uwaterloo.ca/page/SCI-General-Science5, and Note #7 on the following Calendar page: http://ugradcalendar.uwaterloo.ca/page/SCI-Degree-Requirements-Communication-Requirement) for the 2020-2021 Calendar. Application to the part-time on-campus Three-Year General Science program is still possible. Students can also complete the degree after obtaining a failed standing from a Science honours BSc academic plan. Reference to the option of completing the Three-Year General Science program entirely online will need to be removed from a Centre for Extended Learning Calendar page (http://ugradcalendar.uwaterloo.ca/page/uWaterloo-Centre-for-Extended-Learning) in the 2020-2021 Calendar.
3 ACADEMIC PLANS (MINOR MODIFICATIONS)

3.1 Honours Biochemistry, Biotechnology Specialization (Reg. & Co-op)

**Effective Date:** September 1, 2021

**Background and Rationale:** The Biotechnology Specialization, for the Honours Biochemistry program, requires five Biology courses at the 300- and 400- level (BIOL 342, BIOL 354, BIOL 432, BIOL 439 and BIOL 443); this requirement does not apply to Honours Biochemistry students who do not take the Specialization. Removing the requirement to include a minimum of 1.5 BIOL units as part of the 2.5 BIOL and CHEM elective unit requirement, provides students taking the Specialization more choice in their program electives. Both the department of Biology and the department of Chemistry support this change.

...Successful completion of this program requires:

22.0 units that include:

- 6.0 BIOL units: BIOL 130, BIOL 130L, BIOL 239, BIOL 240, BIOL 240L, BIOL 241, BIOL 309, BIOL 331, BIOL 342, BIOL 354, BIOL 432, BIOL 439, and BIOL 443
- 7.75 CHEM units: CHEM 101, CHEM 120, CHEM 120L, CHEM 123, CHEM 123L, CHEM 140, CHEM 200, CHEM 212, CHEM 220, CHEM 220L, CHEM 233, CHEM 233L, CHEM 254, CHEM 264, CHEM 265, CHEM 265L, CHEM 331, CHEM 335L, and CHEM 357
- 1.0 MATH unit: MATH 127 and MATH 128
- 1.0 PHYS unit: PHYS 111 or PHYS 121; and PHYS 112 or PHYS 122
- 0.5 unit ENGL: ENGL 193/SPCOM 193
- 0.5 program elective unit chosen from: STAT 202 or MATH 228
- 3.25 program elective units distributed as follows:
  - 0.25 lab unit chosen from: PHYS 111L, PHYS 121L, CHEM 250L, CHEM 313L, or BIOL 373L
  - 0.5 lab unit chosen from CHEM 224L or CHEM 360L
  - 2.5 BIOL and CHEM elective units chosen with the following conditions:
    - 1.5 units must be chosen from List A: BIOL 308, BIOL 335L, BIOL 341, BIOL 365, BIOL 382, BIOL 428, BIOL 431, BIOL 433, BIOL 434, BIOL 438, BIOL 441, BIOL 465, BIOL 469, BIOL 483, BIOL 486, BIOL 499A, and BIOL 499B; CHEM 224L, CHEM 360, CHEM 360L, CHEM 381, CHEM 382L, CHEM 383, CHEM 430, CHEM 432, CHEM 433, CHEM 494A, and CHEM 494B
    - 1.0 unit must be chosen either from List A or from List B: BIOL 303, BIOL 323, BIOL 345, BIOL 359, BIOL 370, BIOL 371, BIOL 373, BIOL 442, BIOL 444, BIOL 447, BIOL 448, BIOL 472, BIOL 473, BIOL 477L, BIOL 484; CHEM 209, CHEM 221, CHEM 310, CHEM 313, CHEM 323, CHEM 400, CHEM 404, and CHEM 464
    - **A minimum of 1.5 BIOL units and 1.0 CHEM unit must be chosen from List A and B**
3.2 Honours Co-operative Biotechnology/Economics – For information only

**Effective Date:** For amendment to a past Calendar (2017-2018)

**Background and Rationale:** The following error was corrected in the 2018-19 Calendar based on an approved motion at the May 2017 SUC but it should have also been corrected in the 2017-18 Calendar. The 2017-18 error has now been corrected.

Successful completion of this program requires:
1. 21.0 units distributed as follows:
   - 7.0 ECON units distributed as follows:
     - 6.0 ECON units: ECON 101, ECON 102, ECON 211, ECON 221, ECON 220, ECON 221, ECON 290, ECON 306, ECON 322, ECON 323, ECON 371, ECON 391, and ECON 393

4 ACADEMIC PLAN INACTIVATIONS

4.1 Honours Co-operative Biotechnology/Economics

**Effective Date:** September 1, 2021

**Background and Rationale:** This small enrolment (<25) plan was introduced in the fall of 1999. Enrolment has decreased to an average of 14 students per year since 2010. Admissions requires a mid-80s average and continuation in the program requires cumulative averages of 65% in Science courses, 70% in Economics courses, and 70% overall. The plan has a retention rate of 45%, with most students voluntarily moving into other programs with lower cumulative averages. Students leaving this plan most often choose larger enrolment plans such as Honours Co-operative Science and Business, Biotechnology Specialization, Honour Co-operative Biology or Honours Science.

Decreased enrolment and low retention support inactivation of the plan. The Departments of Biology, Chemistry and Economics have been consulted and support inactivation. Students entering the plan for fall 2020, and those already in the plan will be able to continue. There are no courses in the plan, solely intended for the plan, that will require inactivation as a result of this plan inactivation.
ENTRANCE AWARDS

Frank and Janet Hill Scholarship for Women in Math
One scholarship, valued at $2,500, will be awarded annually to a full-time female undergraduate student entering Year One of any program in the Faculty of Mathematics wherein women are underrepresented. Selection will be based on academic excellence (minimum 80% admission average), the Admission Information Form, and contest scores as assessed through the Centre for Education in Mathematics and Computing (CEMC). This fund is made possible by a donation from Daphne Lucas (BMath ’03, MMath ’04) in honour of her parents, to thank them for their unwavering support in her journey to the University of Waterloo.

Method of Financing: annual donation (four-year pledge)

McQueen Family Entrance Bursary
A bursary, valued at $2,000, will be awarded annually to an undergraduate student entering Year One of Civil or Mechanical Engineering who has a demonstrated financial need as determined by Waterloo. To be considered, students must submit the University of Waterloo Entrance Bursary application by April 15. This fund is made possible by a donation from Don McQueen (BASc ’77, Civil Engineering).

Method of Financing: annual donation (five-year pledge)

UPPER-YEAR AWARDS

Actuarial Science Diversity Award
One award, valued at up to $1,000, will be presented annually to a student in Year Two, Three, or Four of an Actuarial Science program in the Department of Statistics and Actuarial Science. Selection will be based on academic excellence (minimum 75% cumulative average) and an essay wherein the candidate describes the positive impact they have had on underrepresented groups (visible minorities, Indigenous, LGBTQ, etc.) in the Actuarial Science program through extracurricular involvement and/or volunteer activities. The recipient will be given the opportunity to do an outreach visit to a high school with a view to inspiring more diverse students to study Actuarial Science, and/or given sponsorship to attend a professional networking event for diverse actuaries from the International Association of Black Actuaries. Interested students should submit an application by June 1.

Method of Financing: annual donation (five-year pledge)

Janét Aizenstros Entrepreneurial Award
One or more awards are offered annually to full-time undergraduate female engineering students (individual or all-female co-founder teams) enrolled in the Conrad School of Entrepreneurship and Business Enterprise Co-op program. Students must have taken BET 300, BET 410, or another relevant BET course. Recipients will be chosen by Conrad faculty on the basis of the rate of progress and venture development stage of the candidates’ business idea. Interested students or student teams should submit an application by November 1. This fund is made possible by a donation from Janét Aizenstros to encourage entrepreneurial women to pursue careers in technology.

Method of Financing: annual donation (two-year pledge)
Barkat Ali Community Service Award
An award, valued at $2,500, will be given annually to a full-time undergraduate student enrolled in Year Three or Four of any program at the University of Waterloo. Selection is based on academic achievement (minimum 80% cumulative average) combined with an essay (1,000 words maximum) describing the positive impact they have had on their community through involvement in volunteer activities related to community service. Interested students are to submit an application by October 15. This fund is made possible by a donation from the family of Barkat Ali, who was involved in community service and political engagement throughout his life. This award will continue his legacy of giving back to the community and improving the lives of its residents.

Method of Financing: annual donation (five-year pledge)

Yves and Cynthia Bled Women in Engineering Scholarship
One or more scholarships, valued at up to $2,000 each, will be awarded annually to full-time female undergraduate students entering Year Three of a program in the Faculty of Engineering wherein women are underrepresented. Selection is based on academic excellence (minimum 80% cumulative average). This fund is made possible by a donation from Professors Yves and Cynthia Bled to support outstanding female students in Engineering.

Method of Financing: endowment

Shiloh Brawn Award for Women in Physics
An award, valued at $1,500, will be presented annually to a full-time female undergraduate student enrolled in Year Two, Three, or Four of any program in the Department of Physics & Astronomy, wherein women are underrepresented. Selection is based on academic excellence (minimum 75% cumulative average) and extracurricular involvement. Preference will be given to students making an effort to advance women in science (e.g., involvement in FemPhys Club, Women in Science Society, etc.), and/or who have completed an Undergraduate Research Assistantship (URA). Interested students should submit an application by October 15. This fund is made possible by a donation from the Brawn family in honour of their daughter and to encourage women pursuing an education in STEM.

Method of Financing: annual donation (five-year pledge)

Monica Chaudhury Award in Actuarial Science
An award, valued at $2,500, will be provided annually to a full-time undergraduate student enrolled in Year Two, Three, or Four in the Department of Statistics and Actuarial Science. Selection is based on academic excellence (minimum 80% cumulative average), combined with a demonstrated interest in achieving their actuarial fellowship designation by having passed at least one of the professional examinations set by the Society of Actuaries or the Casualty Actuarial Society. Preference will be given to students in financial need; to that end, candidates will be invited to explain what it would mean to them to receive this award. Interested students should submit an application by June 15. This award is made possible by a gift made in honour of Monica Chaudhury.

Method of Financing: annual donation (five-year pledge)
Cecilia Downing Linton Memorial Award for Women in Math
An award, valued at up to $4,500, will be provided annually to a full-time female undergraduate student entering Year Two of any program in the Faculty of Mathematics wherein women are underrepresented. Selection is based on academic excellence (minimum 80% cumulative average) and financial need. Preference will be given to students who participated in volunteer or community activities in Year One. Interested students should submit the University of Waterloo Full-Time Bursary application by October 15. This fund is made possible by a donation from the late Cecilia Downing Linton. Cecilia felt strongly about encouraging women to pursue careers in mathematics and computer science.

Method of Financing: endowment

Equitable Life Scholarship in Actuarial Science
A scholarship, valued at $2,500, will be awarded annually to a full-time undergraduate student enrolled in Year Three or Four of the Actuarial Science program in the Department of Statistics and Actuarial Science. Selection will be based on academic excellence (minimum 80% cumulative average) combined with a demonstrated interest in the community as evidenced by participation in extracurricular and/or volunteer activities. Interested students should submit an application by June 15. This fund is made possible by a donation from Equitable Life Insurance Company of Canada to support the next generation of actuaries.

Method of Financing: annual donation (five-year pledge)

Anil K. Gandhi Memorial Scholarship
A scholarship, valued at $2,000, will be awarded annually to a full-time undergraduate student enrolled in Year Two of any program in the School of Accounting and Finance or the David R. Cheriton School of Computer Science. Selection is based on academic excellence (minimum 80% cumulative average), combined with demonstrated community involvement. Preference will be given to students who are first-generation Canadians or who are the children of immigrants to Canada. Interested students should submit an application by October 1. This fund is made possible by donations from alumni Shikha Gandhi (MAcc ’04) and Vikas Gandhi (BMath ’07) in honour of their father, Anil K. Gandhi, and his support of his children in pursuing higher education, while helping others to achieve their goals.

Method of Financing: annual donation (five-year pledge)

Johnson/Richardson Family Perseverance Award
An award, valued at up to $1,000, is presented annually to a fourth-year Science and Business student, who has demonstrated academic perseverance. Selection will be based on readmission to the program, continued academic eligibility, and demonstrated involvement in leadership, community activities, and/or SCIBUS co-curricular activities. Interested students enrolled in the Science and Business plan, who were readmitted prior to the 4A term may apply by October 15. This fund is made possible by a donation from Professor Jean Richardson and Robert Davie, to honour Jean’s parents who believed in the importance of perseverance, determination, and education.

Method of Financing: endowment
Douglas Lankshear Scholarship for Women in Computer Science
A scholarship, valued at $2,000, will be awarded annually to a full-time female undergraduate student enrolled in Year Two, Three, or Four of any program in the David R. Cheriton School of Computer Science wherein women are underrepresented. Selection is based on academic excellence (minimum 80% cumulative average). Preference will be given to students who are not in a co-op program. This fund is made possible by a donation from Douglas Lankshear.

Method of Financing: annual donation (five-year pledge)

Bev Marshman Scholarship in Applied Math and Computing
A scholarship, valued at $1,500, will be awarded annually to a full-time female undergraduate student enrolled in Year Three or Four of the Applied Mathematics or Computer Science programs wherein women are underrepresented. Selection is based on academic excellence (minimum 80% cumulative average), and a commitment to campus life through volunteerism. Preference will be given to students in financial need; to that end students are invited to explain what it would mean to them to receive this award. Further preference will be given to students from outside the province of Ontario. Interested students should submit an application by October 15. This fund is made possible by a donation from M. Lisa Yeo (BMath ‘93) and W. Jonathan Baldwin (BMath ‘93) to encourage and assist students who are interested in the pursuit of technological innovation and committed to achieving the very highest standards of excellence.

Method of Financing: annual donation (five-year pledge)

Palihapitiya Venture Creation Fund
Two awards, valued at $50,000 each, will be provided to two elite student teams enrolled in the Faculty of Engineering and undertaking the fourth-year Capstone Design Project. Eligible students must have completed a minimum of two BET courses (at the 300 and/or 400 level) by the end of their 4B term. Interested students must present their project idea to an interview panel in March during the 4B term. Selection will be based on how innovative the design project idea is from both a technical and business venture perspective. Student teams must work on their project for a period of four months immediately following completion of their 4B term. During this time, appropriate industry mentors are assigned to work with each project team. Funding for the two teams is made possible by a gift from ECE alumnus Chamath Palihapitiya.

Method of Financing: annual donation (four-year pledge)

Uroosa Zaib Panjwani Memorial Award
An award, valued at up to $1,500, will be presented annually to a full-time undergraduate student enrolled in Year Three or Four in the in the Faculty of Arts who is majoring in Legal Studies. Selection will be based on academic excellence (minimum 75% cumulative average) and participation in extracurricular and/or volunteer activities. Preference will be given to students in need; to that end candidates are invited to explain what it would mean to them to receive this award. Interested students must submit an application by February 15. This fund is made possible by the many donations from family, friends, and colleagues of Uroosa Panjwani to honour her memory. The Panjwani family hope to memorialize all the love and light Uroosa gave to others, such that other students may enjoy its radiance, and give other students the opportunity to follow Uroosa’s example on their journey to a law career.

Method of Financing: endowment
Lovinsky Pierre-Antoine Award
An award, valued at up to $1,200, will be awarded annually to a full-time undergraduate student enrolled in Year Two, Three, or Four of any program. Selection will be based on a combination of academic achievement (minimum 70% cumulative average) and an essay (1000 words maximum) describing the demonstrable contributions they have made to the African, Caribbean, or Black communities within Canada through extracurricular or volunteer involvement. Interested students should submit an application by October 15. This fund is made possible by a donation from Briana C. Holmes, (BMath ’90) to honour friend Lovinsky Pierre-Antoine.

Method of Financing: endowment

Ubisoft Scholarship for Women in Computer Science
Two scholarships, valued at $4,000 each, will be awarded to full-time female undergraduate students enrolled in Year Three or Four of any program in the David R. Cheriton School of Computer Science (including Software Engineering), wherein women are underrepresented. Selection will be based on academic excellence (minimum 80% cumulative average) and leadership potential as demonstrated through volunteerism in on-campus or community endeavours. An application must be submitted by October 1. This fund is made possible by a donation from Ubisoft. Ubisoft is committed to enriching players’ lives with original and memorable gaming experiences.

Method of Financing: annual donation (four-year pledge)

Western Union Business Solutions Bursary
A bursary, valued at $1,200, will be awarded annually to a full-time international undergraduate student enrolled in Year, Two, Three, or Four in any Faculty who is in good academic standing, and who has demonstrated financial need as determined by Waterloo. To be considered, students must submit the International Undergraduate Emergency Bursary application by October 15. This fund is made possible by a donation from Western Union Business Solutions.

Method of Financing: endowment

ATHLETIC AWARDS

Rothwell Football Excellence Award
One award, valued at $2,000, is given to a student-athlete on the varsity football team. This award recognizes leadership qualities, a positive attitude, strong character, and enthusiasm for Warriors Football and their community. This fund is supported by Warriors football alumnus John Rothwell (BA ’77, Sociology).

Method of Financing: one-time donation (to support awards for five years)

RWDI Engineering and Athletics Excellence Award
One award, valued at $3,500, will be presented annually to a deserving full-time undergraduate student enrolled in Year Two, Three, or Four in the Faculty of Engineering who is a member of any varsity team. Candidates must have a minimum overall average of 80%. Preference will be given to a student-athlete who has made a positive impact on their team, the Athletics and Recreation program, and/or the University through involvement in extracurricular or volunteer activities. This fund is made possible by a donation from RWDI.

Method of Financing: annual donation (five-year pledge)
Strickland Family Offensive Line Excellence Award
One or more awards, valued at up to $2,500, are given to student-athletes on the varsity football team who play on the offensive line. These awards recognize leadership, athletic talent, and contribution to Warriors Athletics and Recreation, Warriors Football, and their community. This fund is supported by Warriors Football alumnus Sean Strickland (BA ’86) and Dance alumnus Jill Strickland (BA ’86).

Method of Financing: annual donation (five-year pledge)

Jayden Thomas Athletic Excellence Award
One award, valued at $1,000 or more, is given to a student-athlete enrolled in the Accounting and Financial Management program in the Faculty of Arts. Preference will be given to members of the varsity football team and to students enrolled in Year One. This award recognizes athletic talent, leadership qualities, and contribution to Warriors Athletics and Recreation, their team, the school, and their community. This fund is supported by Warriors football alumnus Benjie Thomas.

Method of Financing: endowment

Warriors Football Special Teams Award
One award, valued at $4,500, is given to a student-athlete on the varsity football team who plays on special teams. Preference will be given to a student in their third, fourth, or fifth year who has not previously received an athletic financial award. This award recognizes leadership, athletic talent, and contribution to Warriors Athletics and Recreation, Warriors Football, and their community. This fund is supported by Warriors Football alumnus Matt Armstrong (BMath ’97, MMath ’99, BA ’04).

Method of Financing: annual donation (five-year pledge)

INTERNATIONAL EXPERIENCE AWARDS

Bayne International Experience Award
An award, valued at $1,000, will be provided annually to a full-time undergraduate student enrolled in Year Two, Three, or Four of Computer Engineering or Software Engineering who will be participating in an international study or co-op work experience. Candidates must have a minimum cumulative average of 80%. Preference will be given to students travelling to an unfamiliar country where they will experience a different culture. Interested students must submit the general International Experience Award application by November 15. This fund is made possible by a donation from Chad Bayne and his family to encourage students to pursue an international experience.

Method of Financing: progressive endowment plus annual donation (five-year pledge)

Hewitt-Vinette Math in Europe Travel Award
One or more awards, valued at $1,000 - $1,500 each, are available annually to provide financial assistance to undergraduate Math students who participate in the Faculty of Mathematics’ Math in Europe program. Selection is based on demonstrated financial need and a personal letter describing why the student wishes to participate in the Math in Europe program. Interested first-year students are to submit the general International Experience Award application by November 1. This fund has been established in memory of Thomas Hewitt and Jean-Jacques Vinette.

Method of Financing: annual donation (five-year pledge)