

**SENATE AGENDA**

1:30 p.m., Friday, June 6, 2014  
**University Community Centre, Room 56**

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1. **Minutes of the Meeting of May 9, 2014**
2. Business Arising from the Minutes
3. Report of the President (A. Chakma)
4. Reports of Committees:
  - Operations/Agenda - **EXHIBIT I** (H. Lagerlund)
  - Nominating - **EXHIBIT II** (L. Davies)
  - Academic Policy and Awards - **EXHIBIT III** (B. Timney)
  - University Planning - **EXHIBIT IV** (B.A. Younker)
  - University Research Board - **EXHIBIT V** (J. Capone)
5. Report of the Academic Colleague - **EXHIBIT VI** (K. Okruhlik)
6. Announcements and Communications - **EXHIBIT VII**
7. Enquiries and New Business
8. Adjournment

Senate meetings are scheduled to begin at 1:30 p.m. and normally will end by 4:30 p.m. unless extended by a majority vote of those present.

**APPROVAL OF MINUTES**

**REPORT OF THE PRESIDENT**

**OPERATIONS/AGENDA COMMITTEE**

**FOR ACTION**

Vice-Provosts as Observers on Senate  
School of Graduate and Postdoctoral Studies Constitution - Revision

**FOR INFORMATION**

Candidates for Degrees and Diplomas – June Convocation 2014  
Order of Ceremony - Autumn Convocation 2014

**NOMINATING COMMITTEE**

**FOR ACTION**

University Research Board

**SENATE COMMITTEE ON ACADEMIC POLICY AND AWARDS (SCAPA)**

**FOR ACTION**

Faculty of Arts and Humanities:

- 1) Introduction of a Major in Medieval Studies
- 2) Renaming of Modules in World Literatures and Cultures to Comparative Literature and Culture;  
Revisions to the Comparative Literature and Culture Modules

Faculty of Education: Revisions to the Bachelor of Education (B.Ed.) program

Faculty of Information and Media Studies: Revisions to the Western/Fanshawe Collaborative  
degree/Diploma in Media Theory and Production

Schulich School of Medicine & Dentistry, Faculty of Science and Richard Ivey School of Business:  
Introduction of a combined BMSc (Biochemistry)/HBA program

Schulich School of Medicine & Dentistry and Faculty of Science:

- 1) Introduction of an Honors Specialization in Biochemistry and Pathology of Human Disease
- 2) Withdrawal of the Honors Specialization in Clinical Biochemistry module
- 3) Revision to the Admission and Module requirements for the Honors Specialization in Medical  
Biophysics (Clinical Physics Concentration)
- 4) Revisions to the Medical Sciences First Entry program description
- 5) Revision to the Admission requirements to the Bachelor of Medical Sciences (BMSc) Program
- 6) Revisions to the "Modules Offered in the BMSc program" description

School of Graduate and Postdoctoral Studies: Revisions to the Ph.D. program in Chemistry

Brescia University College: Introduction of the Diploma in Nutrition

King's University College: Introduction of a Specialization in Accounting (BMOS)

Policy revision: Breadth Requirements for Graduation

**FOR INFORMATION**

New Scholarships and Awards

Report of the Subcommittee on Program Reviews – Undergraduate (SUPR-U): Cyclical program reviews –  
Huron University College, Asian Studies and French  
Revisions to the King's Scholar and the Scholar's Electives program descriptions at King's, Brescia and  
Huron University Colleges

**SENATE COMMITTEE ON UNIVERSITY PLANNING (SCUP)**

**FOR ACTION**

Dr. Robert Lindsay Chair in Dialysis Research and Innovation  
Research Chair in Better Kidney Health  
Dr. John W.D. and Susan McDonald Chair in Inflammatory Bowel Disease

**FOR INFORMATION**

Annual Report 2014 – Working Group on Information Security (WGIS)

**UNIVERSITY RESEARCH BOARD (URB)**

**FOR ACTION**

MAPP 7.9 Guidelines for Collaborative Research  
Recommendation re Disbandment of SUPAD

**REPORT OF THE ACADEMIC COLLEAGUE**

Report on a Meeting of the Council of Ontario Universities (COU)

**ANNOUNCEMENTS & COMMUNICATIONS**

FOR INFORMATION

Standard Report



## **MINUTES OF THE MEETING OF SENATE**

**May 9, 2014**

The meeting was held at 1:30 p.m. in Room 56, University Community Centre

SENATORS: 57

J. Aitken Schermer  
N. Banerjee  
I. Birrell  
P. Bishop  
C. Brown  
J. Burkell  
S. Camiletti  
J. Capone  
A. Chakma  
M. Clapton  
L. Davies  
J. Deakin  
N. Dyer-Witthford  
L. Elliott  
J. English  
J. Etherington  
R. Graham  
A. Grzyb  
J. Hatch

M. Heath  
J. Hopkins  
G. Hunter  
R. Kennedy  
J. Knowles  
G. Kulczycki  
H. Lagerlund  
A. Lalka  
J. Lamarche  
C. Lee  
J. Litchfield  
J. Malkin  
C. McGarvey  
K. Mequanint  
M. Milde  
B. Neff  
A. Nelson  
T. Newson  
C. O'Connor

B. Prajapati  
A. Premat  
M. Rothstein  
S. Saravanabaran  
V. Schwean  
I. Scott  
R. Sookraj  
M. Strong  
T. Sutherland  
Z. Syed  
G. Tigert  
B. Timney  
A. Vainio-Mattila  
A. Watson  
J. Weese  
G. West  
C. Wilkins  
P. Woodford  
B.A. Younger

Observers: B. Butler, K. Okruhlik, A. Weedon, P. Whelan

By Invitation: J. Doerksen, J. Tennant

S.14-89

### **MINUTES OF THE PREVIOUS MEETING**

The minutes of the meeting of April 11, 2014 were approved as circulated.

S.14-90

### **REPORT OF THE PRESIDENT**

The President's report consisted of the announcement of the reappointment of Dr. Janice Deakin as Provost, the 2014 recipients of the Hellmuth Prize for Achievement in Research, the upcoming U15 meeting with the Prime Minister, the Monash/Warwick University partnership proposal, Huron's Theological Convocation on May 8, and the appointment of Lynn Paterson, a Western graduate, to the senior team of the Bank of Canada. He also encouraged faculty to join the academic procession during June convocation to support and acknowledge their graduates' achievements.

**REPORT OF THE OPERATIONS/AGENDA COMMITTEE** [Exhibit I]

S.14-91 **Senate Membership: Undergraduate Student Constituency**

It was moved by J. Weese, seconded by M. Strong,

That the seat held by Adrienne Chan, Science student representative on Senate, be declared vacant effective July 1, 2014 as a result of her resignation, and that Ahmed El-Boraie (BMSc) be elected to complete her term (June 30, 2015).

CARRIED

S.14-92 **Senate Membership: Faculty Constituency - Social Science**

It was moved by J. Weese, seconded by M. Strong,

That the seat held by Lorraine Davies, representative of the Faculty of Social Science constituency on Senate, be declared vacant effective July 1, 2014 as a result of her sabbatical leave, and that Diana Mok (Geography/BMOS) be elected to complete her term (June 30, 2015).

CARRIED

S.14-93 **Senate Membership: Faculty Constituency – Schulich School of Medicine & Dentistry**

It was moved by J. Weese, seconded by M. Strong,

That Dr. George Dresser (Medicine) and Dr. Marina Salvadori (Paediatrics) be appointed to Senate for the term of July 1, 2014 – June 30, 2016 in accordance with the Senate election procedures for the filling of vacancies.

CARRIED

**REPORT OF THE SENATE COMMITTEE ON ACADEMIC POLICY AND AWARDS** [Exhibit II]

S.14-94 **Faculty of information and Media Studies: Revisions to the Western/Fanshawe Collaborative Degree/Diploma in Media Theory and Production**

It was moved by B. Timney, seconded by R. Sookraj,

That effective March 1, 2014, the Western/Fanshawe Collaborative Degree/Diploma in Media Theory and Production be revised as shown in Exhibit II, Appendix 1.

CARRIED

S.14-95 **Schulich School of Medicine & Dentistry and Faculty of Science: Introduction of an Honors Specialization in Medical Biophysics and Biochemistry**

It was moved by B. Timney, seconded by M. Strong,

That an Honors Specialization in Medical Biophysics and Biochemistry, leading to a Bachelor of Medical Sciences (BMSc) degree offered jointly by the Faculty of Science and the Schulich School of Medicine & Dentistry, be introduced by the Departments of Medical Biophysics and Biochemistry in the Schulich School of Medicine & Dentistry, effective September 1, 2014 as shown in Exhibit II, Appendix 2.

CARRIED

S.14-96 **Faculty of Social Science, Department of Management and Organizational Studies: Introduction of a Specialization and an Honors Specialization in Public Administration**

It was moved by B. Timney, seconded by J. Aitken Schermer,

That a Specialization and an Honors Specialization in Public Administration be introduced in the Faculty of Social Science, Department of Management and Organizational Studies effective September 1, 2014 leading to a BMOS degree as shown in Exhibit II, Appendix 3.

CARRIED

S.14-97 **Faculty of Social Science, Department of History: Withdrawal of the Minor in Latin American Studies**

It was moved by B. Timney, seconded by T. Sutherland,

That the Minor in Latin American Studies be withdrawn effective September 1, 2014;

That registration in the module be discontinued effective March 1, 2014; and

That students currently enrolled in this module be allowed to graduate in this module by September 1, 2017.

CARRIED

S.14-98 **King's University College: Introduction of a Certificate and a Diploma in Childhood and Advocacy**

It was moved by B. Timney, seconded by P. Bishop,

That effective September 1, 2014, a Certificate and a Diploma in Childhood and Advocacy be introduced at King's University College as shown in Exhibit II, Appendix 4.

CARRIED

S.14-99 **Policy Revision: Convocation; Graduation Diplomas and Certificates – Awarding degrees**

It was moved by B. Timney, seconded by J. Aitken Schermer,

That effective May 1, 2014, the section referring to awarding of degrees and diplomas in the policy "Convocation; Graduation Diplomas and Certificates" be revised as set out in Exhibit II, item 6.

S.14-100 **Revisions to the Western Scholar's Electives Program Description**

It was moved by B. Timney, seconded by C. Brown,

That effective May 1, 2014, the description of the Western Scholar's Electives program be revised as shown in Exhibit II, Appendix 5.

CARRIED

S.14-101 **Report of the Subcommittee on Program Review – Undergraduate (SUPR-U): Cyclical Review**

Senate received for information the recommendations of the Subcommittee on Program Review – Undergraduate (SUPR-U) with respect to the cyclical review of the undergraduate program in the Faculty of Law, detailed in Exhibit II, Appendix 6.

S.14-102 **Report of the Subcommittee on Program Review – Graduate (SUPR-G): Cyclical reviews**

Senate received for information the recommendations of the Subcommittee on Program Review – Graduate (SUPR-G) with respect to the cyclical reviews of the graduate programs in Civil and Environmental Engineering and Physics and Astronomy, detailed in Exhibit II, Appendix 7.

S.14-103 **Faculty of Law: Revisions to the Grading Policy**

Senate was advised that in January 2014 changes to the Faculty of Law's grading policy were approved and some of the sections of the policy were deleted by mistake at that time. See the Senate submission posted on the web here:  
[http://www.uwo.ca/univsec/pdf/senate/minutes/2014/a1401sen\\_Full.pdf](http://www.uwo.ca/univsec/pdf/senate/minutes/2014/a1401sen_Full.pdf) The corrected version of the policy, with the reinstated sections highlighted, is shown in Exhibit II, Appendix 8.

S.14-104 **School of Graduate and Postdoctoral Studies: Changes to the General Thesis Regulations**

Senate was advised that the Graduate Education Council (GEC) approved changes to the Thesis Regulations as shown in Exhibit II, Appendix 9. The current Thesis Regulation Guide is available at: [http://www.grad.uwo.ca/current\\_students/regulations/8.html](http://www.grad.uwo.ca/current_students/regulations/8.html)

S.14-105 **New Scholarships and Awards**

SCAPA has approved on behalf of the Senate, for recommendation to the Board of Governors through the President & Vice-Chancellor, the Terms of Reference for the new scholarships and awards as set out in Exhibit II, Appendix 10. Senate received for information the 2013-2014 report of the Western Athletic Financial Awards Committee detailed in Exhibit II, Appendix 11.

**REPORT OF THE SENATE COMMITTEE ON UNIVERSITY POLICY** [Exhibit III]

S.14-106 **Name Change – Department of Pathology to Department of Pathology and Laboratory Medicine**

It was moved by B.A. Younkers, seconded by A. Watson,

That the proposal to change the name of the Department of Pathology in the Schulich School of Medicine & Dentistry to the Department of Pathology and Laboratory Medicine be approved effective July 1, 2014.

CARRIED

S.14-107 **Faculty of Law: Stephen Dattels Chair in Corporate Finance - Extension**

It was moved by B.A. Younkers, seconded by P. Bishop,

That the Stephen Dattels Chair in Corporate Finance be extended for an additional five years (2014-2019) with appointment in the Faculty of Law as detailed in Exhibit III, Appendix 3.

CARRIED

S.14-108 **Western International Report**

Senate received for information the Western International Report detailed in Exhibit III, Appendix 4.

S.14-109 **REPORT OF THE ACADEMIC COLLEAGUE** [Exhibit IV]

Senate received for information the report of the Academic Colleague, detailed in Exhibit IV. Dr. Okruhlik advised Senators that the recent COU update is available upon request from the University Secretariat.

She also reported that COU had expressed concern to the government about Bill 151. The Bill would amend the *Ministry of Training, Colleges and Universities Act* to enable the government to collect information about post-secondary students' enrolment and transfer activities. This would include the collection of Aboriginal students' status, linking post-secondary student data with elementary and secondary school student data through the use of Ontario Education Numbers, inclusion of the Ontario College Application Centre, and the collection of personal information on the use of student services.

**ENQUIRIES AND NEW BUSINESS**

S.14-110 **Examination Policies** [S.13-102e, S.13-152b, S. 14-86]

Western Student Senators noted that in addition to writing exams on April 30, some students are faced with moving if a lease ends April 30 or they starting a job. They asked whether the administration was aware of these issues and whether consideration could be given to them when scheduling exams in the future while still keeping exam conflicts to a minimum. Mr. Tigert said that the Registrar's Office is aware of these issues and makes a concerted effort to minimize the number of exams scheduled toward the end of the exam period. This year, exam scheduling difficulties arose due to the number of holidays in the exam period, the number of special requests from instructors, and attempting to minimize the number of exam conflicts for students.

S.14-111 **Student Entrepreneurship Funding and Western's Research Park**

Western Student Senators asked if the administration might consider an academic component to entrepreneurship initiatives where students could receive some credit for their work, similar to Internships and Co-Ops. Dr. Deakin responded that ways in which Western can incorporate real learning experiences and academic credit are being explored.

Mr. White clarified that the total amount of funding is \$51 million across 5 programs concerned with youth employment, with accelerators (up to 10) receiving about \$10 million.

S.14-112 **Research Clusters** [S.14-66, S.14-73]

Western Student Senators asked how University Research Board members (URB) for the research cluster review will be selected in a way that does not promote any bias towards certain faculties and their research over others. Dr. Capone commented that URB members, as faculty, are used to assessing peer proposals by bringing their expertise to bear without bias. He also noted that the final recommendations would come from external reviewers. The over-riding criteria for selection of clusters will be excellence based on existing areas of research and potential for growth of that research.

S.14-113 **Family Washrooms, Nursing Rooms and Change Stations on Campus** [S13.159]

Western Student Senators thanked members of the administration for actions taken on the earlier request concerning baby nursing and changing stations.



**ADJOURNMENT**

The meeting adjourned at 2:05 p.m.

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A. Chakma  
Chair

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I. Birrell  
Secretary

**REPORT OF THE OPERATIONS/AGENDA COMMITTEE**

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**Vice-Provosts as Observers on Senate**

**School of Graduate and Postdoctoral Studies Constitution – Revision**

**Candidates for Degrees and Diplomas – June Convocation 2014**

**Order of Ceremony – Autumn Convocation 2014**

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**FOR APPROVAL**

1. **Vice-Provosts as Observers on Senate**

**Recommended:** That Observer seats on Senate be assigned effective immediately:

- Vice-Provost (Academic Programs)
- Vice-Provost (International)
- Associate Vice-President (Student Experience)

**Background:**

With the recent restructuring of the Provost's portfolio, the University Registrar, Glen Tigert, replaced the Vice-Provost (Academic Programs) as a member of Senate. Given that the Vice-Provosts and the Associate Vice-President (Student Experience) are responsible, by and large, for the bulk of the business that comes before Senate, it is appropriate that they sit as Observers so as to have speaking privileges at Senate. The Vice-Provost (Academic Planning, Policy & Faculty) is already an Observer and the Vice-Provost (Graduate & Post Doctoral Studies) is a voting member because that role includes the functions of a dean. Official Observers have speaking privileges but no right to vote or move/second motions.

2. **School of Graduate and Postdoctoral Studies Constitution - Revision**

**Recommended:** That Senate approve that the Constitution of the School of Graduate and Postdoctoral Studies be revised as shown in [Appendix 1](#).

**Background**

Changes to the SGPS Constitution have been approved by the Graduate Education Council (GEC) as shown in [Appendix 1](#). In addition to general editorial changes throughout, GEC's standing committee structure was reorganized to streamline decision-making and operations in addition to editorial changes.

**FOR INFORMATION**

3. **Candidates for Degrees and Diplomas – June Convocation 2014**

On behalf of the Senate the Provost approves the list of Candidates for Degrees and Diplomas upon the recommendation of the Registrar [S.96-124]. The list of Candidates approved by the Provost will be appended to the Official Minutes of the June 6, 2014 meeting of Senate.

4. **Order of Ceremony – Autumn Convocation 2014**

See [Appendix 2](#).

## SCHOOL OF GRADUATE AND POSTDOCTORAL STUDIES

### Composition and Rules of Procedure

1.0 The academic and administrative head of the School shall be the Vice-Provost (Graduate and Postdoctoral Studies). The Vice-Provost shall be assisted by two Associate Vice-Provosts.

1.1 Appointment of the Vice-Provost (Graduate and Postdoctoral Studies) shall be made in accordance with current University policy. Appointments to the positions of Associate Vice-Provost shall normally be for a term of three years, renewable. Recommendations for appointment of Associate Vice-Provost shall be made to the Provost & Vice-President (Academic) and the President & Vice-Chancellor by the Vice-Provost.

2.0 Members of the School of Graduate and Postdoctoral Studies shall be those persons with academic appointments at The University of Western Ontario who have been approved for membership in accordance with the policies and guidelines established by the Academic Policy and Regulations, Programs, and Credentialing Committee. They shall normally be of the rank of assistant professor or above and shall be of such academic achievement and distinction as to enable them to undertake the instruction or supervision of students registered in the nominating graduate program. Where appropriate, the record of supervisory activity shall be a factor in these deliberations.

2.1 Recommendations for membership in the School of Graduate and Postdoctoral Studies shall be upon nomination from the chair or director of the graduate program to the head of the nominee's home unit(s) (i.e., the Chair or Director of the Department, School, or program respectively, or the Dean in the case of Faculties without a Department or School structure).

2.2 Graduate students shall be those students who have been admitted to the School of Graduate and Postdoctoral Studies in accordance with the policies and guidelines established by the Academic Policy and Regulations, Programs, and Credentialing Committee, and who have formally registered in the School.

3.0 There shall be a Graduate Education Council of the School of Graduate and Postdoctoral Studies responsible to the Senate which shall:

- (a) serve as a central forum to propose academic policies to be approved by Senate,
- (b) guide the development of graduate and postdoctoral studies at Western, and
- (c) provide a representative and open forum to give advice on any aspect of graduate education.

The Council shall be composed of:

(a) the following ex officio members:

- (i) Vice-Provost (Graduate and Postdoctoral Studies), who shall be Chair
- (ii) Associate Vice-Provosts (Graduate and Postdoctoral Studies)
- (iii) President & Vice-Chancellor

- (iv) Provost & Vice-President (Academic)
- (v) Associate Dean Graduate Affairs (or equivalent officer) from each Faculty
- (vi) President, Society of Graduate Students (SOGS)
- (vii) President, Postdoctoral Association at Western (PAW)
- (viii) University Librarian
- (ix) Chair, Senate Committee on Academic Policy and Awards
- (x) Associate Registrar (non-voting)
- (xi) Director, Teaching Support Centre (non-voting)

(b) the following elected/appointed members:

- (i) One faculty member from each Faculty who is a member of the School of Graduate and Postdoctoral Studies, chosen by the Faculty
- (ii) Six Graduate Chairs (or equivalent from non-departmental faculties), chosen by the Graduate Chairs
- (iii) Four graduate assistants, chosen by the Graduate Assistants
- (iv) One member of an Affiliated University College, appointed by the Colleges on a rotating basis (2 year cycles)
- (v) One graduate student from each Faculty, chosen by the Society of Graduate Students in consultation with the Faculty
- (vi) One postdoctoral fellow, chosen by the Postdoctoral Association at Western Resource persons, as needed, will also be invited.

Any member of the university community with an interest in graduate education may attend Graduate Education Council meetings as observers.

3.1 The Graduate Education Council shall meet as required but at least twice annually: once in the Fall term and once in the Winter term, and at such other times as the Council, Chair, or Senate may prescribe.

3.2 At meetings of Council a quorum shall consist of one half of the voting members except in the months of June, July and August when a quorum shall be one third of the voting members.

3.3 The Council shall report to Senate according to Senate procedures on all matters concerning the School of Graduate and Postdoctoral Studies.

3.4 The Council may establish such committees as it considers necessary. The Council may delegate authority to its committees, but such committees shall be responsible to the Council.

4.0 Each program within the School of Graduate and Postdoctoral Studies shall establish a graduate affairs committee ~~to oversee graduate affairs~~ constituted in accordance with the size and needs of the graduate program to be administered. Such committees shall be responsible to the program concerned.

4.1 The membership of the graduate affairs committee, ~~which~~ must include: one or more graduate students who ~~representation~~, shall be elected or appointed, according to procedures determined by the

program concerned, ~~including~~ a person involved in graduate affairs to chair the committee, preferably for a period of two years or more. The person appointed or elected to chair the committee must have the approval of the head of his/her home unit(s) (as defined in 2.1) before accepting the position of chair. Consultation with students about matters of policy is expected. Student members of the committee will be required to withdraw when matters concerning individual students are considered.

4.2 The Graduate Chair shall be elected or appointed, according to procedures determined by the program and Faculty concerned. The Graduate Chair should hold a level of SGPS membership commensurate with the program's highest degree and should be actively involved in graduate activities and scholarly research.

~~5.0 There shall be a School of Graduate and Postdoctoral Studies Coordinating Committee responsible to the Graduate Education Council which shall:~~

- ~~(a) advise the Vice Provost on affairs and activities related to graduate education and postdoctoral study,~~
- ~~(b) prepare reports and policy for consideration at the Graduate Education Council, and~~
- ~~(c) assist the Vice Provost in making operational the decisions and advice of the Graduate Education Council.~~

~~The Coordinating Committee shall prepare an annual report on its activities that will be delivered by the Vice Provost to the Graduate Education Council at its meeting in the Winter semester.~~

~~The Committee shall be composed of the following ex-officio members:~~

- ~~• Vice Provost (Graduate and Postdoctoral Studies), who shall be Chair~~
- ~~• Associate Vice Provosts (Graduate and Postdoctoral Studies)~~
- ~~• Chairs of Standing Committees, School of Graduate and Postdoctoral Studies~~
- ~~• President, Society of Graduate Students~~
- ~~• President, Postdoctoral Association at Western~~
- ~~• Associate Registrar (non-voting)~~

~~Resource:~~

- ~~• One member of the SGPS administrative staff~~
- ~~• Teaching Support Centre – 360° Program representative~~

~~The Coordinating Committee shall meet as required but at least five times per year.~~

5.0 The following standing committees of the Graduate Education Council shall, assist and advise the Vice-Provost on graduate affairs related to graduate education and postdoctoral study, including policy and regulations, ~~initially, be the following:~~

- Operations/Agenda and Nominations
- Academic Policy and Regulations ~~Policy, Programs, and Credentialing~~

- ~~Scholarships and Funding~~
- Mentorship and Professional Development
- ~~Accommodation and Appeals~~
- Postdoctoral Scholar Advisory Committee
- ~~Internal Appraisals and Ontario Council on Graduate Studies.~~

The terms of reference and composition of the standing committees are accessible on the SGPS website: [http://www.grad.uwo.ca/faculty\\_staff/viceprovost/graduate\\_education\\_council.html](http://www.grad.uwo.ca/faculty_staff/viceprovost/graduate_education_council.html) ~~are contained in Appendix I.~~ They may be revised and committees added or deleted by the Graduate Education Council as it deems necessary.

All Chairs of standing committees shall be members of the Graduate Education Council ~~Coordinating Committee.~~

7.0 The by-laws and regulations for the conduct of the proceedings of the Graduate Education Council, the Coordinating Committee, the standing Committees, and all other committees or subcommittees within the School shall be, where practicable, those adopted by Senate.

8.0 Proposed amendments to the Composition and Rules of Procedure of the School of Graduate and Postdoctoral Studies shall be circulated to all members of Council along with the Agenda, at least two weeks in advance of the meeting in which approval will be sought. Approval shall be by a majority vote. If approved, the amendments shall be recommended to Senate for final approval.

Approved by Senate June 20, 2008 *Revised March 4, 2010* *Revised April 2014*

**ORDER OF CEREMONY - AUTUMN CONVOCATION 2014**  
**October 23 and 24, 2014**

**THURSDAY, OCTOBER 23 - 10:00 A.M.**

King's University College (all degrees including MSW) \*  
Faculty of Social Science (undergraduate degrees)  
Faculty of Information and Media Studies (undergraduate degrees)

**THURSDAY, OCTOBER 23 - 3:00 P.M.**

Brescia University College (all degrees including MA/MSc in Nutritional Sci) \*  
Huron University College (all degrees) \*  
Faculty of Arts and Humanities (undergraduate degrees)  
Don Wright Faculty of Music (all degrees) \*  
Faculty of Engineering (all degrees) \*  
Faculty of Health Sciences (undergraduate degrees)  
Faculty of Science (undergraduate degrees – includes BMSc)

**FRIDAY, OCTOBER 24 - 10:00 A.M.**

School of Graduate and Postdoctoral Studies\*  
Richard Ivey School of Business (all degrees)  
Faculty of Health Sciences

**FRIDAY, OCTOBER 24 - 3:00 P.M.**

School of Graduate and Postdoctoral Studies\*  
Schulich School of Medicine & Dentistry  
Faculty of Education (all degrees)  
Faculty of Arts and Humanities  
Faculty of Science  
Faculty of Law (all degrees)  
Faculty of Social Science  
Faculty of Information and Media Studies

\* = students in the School of Graduate and Postdoctoral Studies in graduate programs hosted by individual faculties

## REPORT OF THE NOMINATING COMMITTEE

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### University Research Board (URB)

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#### FOR ACTION

1. University Research Board (URB)

**Composition:** Six members of faculty who have strong records of research achievement and a broad interest in research administration, elected by Senate. At least one elected member shall occupy a senior position in a Centre or Institute as defined under MAPP 7.9 (Guidelines for Collaborative Research).  
One graduate student, elected by Senate  
One Postdoctoral Representative elected by Senate

**Current Senate-Appointed Membership:**

**Terms continuing to June 30, 2015:**

H. Hangan (Engg), J. Burkell (FIMS)

**Terms continuing to June 30, 2016:**

P. Allen (HS), S. MacDougall-Shackleton (SS)

**Terms continuing to June 30, 2017:**

G. Debakan (MD), H. Lagerlund(AH)

**Required:** One Postdoctoral Representative for a one-year term July 1, 2014 to June 30, 2015

**Nominee:** Blake Butler (Postdoc Rep)

#### Future Business of the Senate Nominating Committee

Upcoming Nomination Agenda items are posted on the Senate website at:  
<http://www.uwo.ca/univsec/pdf/senate/newnoms.pdf>



**REPORT OF THE SENATE COMMITTEE ON ACADEMIC POLICY AND AWARDS**  
**(SCAPA)**

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**Faculty of Arts and Humanities: Introduction of a Major in Medieval Studies**

**Faculty of Arts and Humanities, Department of Modern Languages and Literatures: Renaming the Modules in World Literatures and Cultures to Comparative Literature and Culture**

**Faculty of Arts and Humanities, Department of Modern Languages and Literatures: Revisions to the Comparative Literature and Culture Modules**

**Faculty of Education: Revisions to the Bachelor of Education (B.Ed.) Program and Withdrawal of the Diploma in Education (Technological Studies)**

**Faculty of Information and Media Studies: Revisions to the Western/Fanshawe Collaborative Degree/Diploma in Media Theory and Production**

**Schulich School of Medicine & Dentistry, Faculty of Science and Richard Ivey School of Business: Introduction of a Combined BSc (Biochemistry)/HBA Program**

**Schulich School of Medicine & Dentistry and Faculty of Science: Introduction of an Honors Specialization in Biochemistry and Pathology of Human Disease**

**Schulich School of Medicine & Dentistry and Faculty of Science: Withdrawal of the Honors Specialization in Clinical Biochemistry Module**

**Schulich School of Medicine & Dentistry and Faculty of Science: Revision to the Admission and Module requirements for the Honors Specialization in Medical Biophysics (Clinical Physics Concentration)**

**Schulich School of Medicine & Dentistry and Faculty of Science: Revisions to the Medical Sciences First Entry program**

**Schulich School of Medicine & Dentistry and Faculty of Science: Revision to the Admission Requirements to the Bachelor of Medical Sciences (BSc) Program**

**Schulich School of Medicine & Dentistry and Faculty of Science: Revisions to the “Modules offered in the BSc Program” Description**

**Faculty of Science: Revisions to the Physics and Astronomy Modules**

**School of Graduate and Postdoctoral Studies: Revisions to the Ph.D. Program in Chemistry**

**Brescia University College, Division of Food and Nutritional Sciences: Introduction of the Diploma in Nutrition**

**King’s University College, Management and Organizational Studies: Introduction of the Specialization in Accounting**

**Policy revision: Breadth Requirements for Graduation**

**Revisions to the Undergraduate Sessional Dates for the HBA Program**

**Report of the Subcommittee on Program Review – Undergraduate (SUPR-U): Cyclical Reviews**

**Editorial Changes To The Descriptions Of The Scholar’s Electives Programs Offered At The Affiliated University Colleges**

**New Scholarships, Awards and Bursaries**

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FOR APPROVAL

1. **Faculty of Arts and Humanities: Introduction of a Major in Medieval Studies**

**Recommended:** That a Major in Medieval Studies be introduced in the Faculty of Arts and Humanities, effective September 1, 2014 as shown in [Appendix 1](#).

**Background:**

Western approved a minor in Medieval Studies effective September 1, 2012, and the program has proven itself popular. The first-year course, offered at fairly short notice, attracted 28 students in its first iteration in 2012-2013 and more than doubled to 72 in 2013-2014. Given this interest, and in consultation with Medievalists across campus and the Affiliates, it was agreed that a Major would garner considerable interest and that Western has the necessary expertise to offer it.

2. **Faculty of Arts and Humanities, Department of Modern Languages and Literatures: Renaming the Modules in World Literatures and Cultures to Comparative Literature and Culture; Revisions to the Comparative Literature and Culture modules**

2a **Renaming the Modules in World Literatures and Cultures to Comparative Literature and Culture**

**Recommended:** That the Honors Specialization, Specialization, Major and Minor in World Literatures and Cultures be renamed as Honors Specialization, Specialization, Major and Minor in Comparative Literature and Culture, effective September 1, 2014.

**Background:**

In recent revisions of the modules in World Literatures and Cultures (that had formerly been Comparative Literature and Culture) the Faculty of Arts and Humanities Educational Policy Committee came to the conclusion that the CLC program was still largely Eurocentric in its faculty complement and approach, and thus it was problematic to advertise its modules as "World" when India is represented essentially by one 0.5 course only, for example, and there are no courses on East Asian or African literature and Culture.

2b. **Revisions to the Comparative Literature and Culture modules**

**Recommended:** That the Minor, Major, Specialization and Honor Specialization modules in Comparative Literature and Culture be revised as shown in [Appendix 2](#) effective September 1, 2014.

**Background:**

Revisions to the modules are necessary to correspond to more up-to-date pedagogy, current research interests of faculty and the faculty complement in the Department of Modern Languages and Literatures. The modules change from a program based mainly in specific chronological distinctions to modules that employ comparative analysis to span disciplines, media, and continents and to make connections between different spaces, times and genres. The revised modules allow students to integrate language and culture studies, and require students choosing the Specialization and Honors Specialization to obtain strong skills in one non-English language and/or culture. The new modules also conform to OCAV guidelines regarding the streaming of degree modules. Each module in CLC is completely revised, changing to a less prescriptive structure and providing more flexibility and choice.

3. **Faculty of Education: Revisions to the Bachelor of Education (B.Ed.) program and Withdrawal of the Diploma in Education (Technological Studies)**

**Recommended:** That effective September 1, 2015, the Bachelor of Education (B.Ed.) program be revised to expand to a 4-term program as shown in [Appendix 3](#), and

That the Diploma in Education (Technological Studies) be withdrawn effective September 1, 2015.

### **Background**

In June, 2013, the Ontario Ministry of Education mandated changes to after-degree teacher education programs. The new framework requires such programs to span four semesters (instead of two), to include mandatory core content, and to include a minimum of 80 days of student teaching (an increase to the current minimum of 40 days). New accreditation guidelines from the Ontario College of Teachers further requires the “integration of practice & theory”—that “all aspects of knowledge and skill . . . be connected to and reflected in both course work and the practicum.”

At the same time the lengthened program and other changes were mandated, the number of Teacher Candidates funded for entry into Faculties of Education was halved. In September, 2015, therefore, the Faculty of Education at Western will admit 334 Teacher Candidates instead of 668. Compounding the loss of tuition the Faculty will face that year is a 25% reduction in BIU funding.

The changes imposed on the Faculty of Education in the past year require that a variety of modifications made to the current B.Ed. program. These include the reorganizing and addition of content to some courses, introduction of special focus areas supported by new courses (cohort specialties), and the addition of practicum days and other field experiences. The changes result in an increase and redistribution of credits for the program from 6 FCE to 9 FCE. The basic structure of the B.Ed. program, however—a structure of foundations courses, curriculum courses, and special interest courses, and of practicum and field experiences—remains unchanged, as do admission, progression, and graduation requirements.

With a more limited number of Teacher Candidates in the program, the roster of subject areas offered for certification will be diminished. Certain ‘teachable’ subject areas which have historically had low enrolments at this Faculty will have to be discontinued and as a result, admissions into the Diploma in Education (Technological Studies) program will be suspended effective September 1, 2015.

#### **4. Faculty of information and Media Studies: Revisions to the Western/Fanshawe Collaborative Degree/Diploma in Media Theory and Production**

**Recommended:** That effective September 1, 2014, the Western/Fanshawe Combined Degree/Diploma in Media Theory and Production (MTP) program be revised as shown below.

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<http://www.westerncalendar.uwo.ca/2014/pg461.html>

### **WESTERN/FANSHAWE COMBINED DEGREE/DIPLOMA IN MEDIA THEORY AND PRODUCTION**

*Unchanged*

#### **Interactive Media Design and Production**

##### **First Year**

- Completion of all first year requirements with no failures. Students must have an average of at least 68% on 5.0 courses with a mark of at least 65% in each of [Media, Information and Technoculture 1200F/G](#), [1500F/G](#), [1700F/G](#) and [Writing 2121F/G](#). At least 1.0 course must be selected from the Faculty of Arts and Humanities or the Faculty of Science.

*The rest of the program description is unchanged*

##### **Background:**

Several changes were approved to the Western/Fanshawe Collaborative Degree/Diploma in Media Theory and Production (MTP) program at the May 9, 2014 Senate meeting. (See Senate Agenda here: [http://www.uwo.ca/univsec/pdf/senate/minutes/2014/a1405sen\\_Full.pdf](http://www.uwo.ca/univsec/pdf/senate/minutes/2014/a1405sen_Full.pdf) ).

It is necessary to change the name of the “Interactive Media Design and Production” stream again to follow the recent name change approved at Fanshawe College.

5. **Schulich School of Medicine & Dentistry, Faculty of Science and Richard Ivey School of Business: Introduction of a Combined BSc (Biochemistry)/HBA Program**

**Recommended:** That effective September 1, 2014, the Combined BSc/HBA Program, be introduced in the Faculty of Science, Basic Medical Sciences Undergraduate Education in the Schulich School of Medicine & Dentistry, and the Richard Ivey School of Business, as shown in [Appendix 4](#), to allow students to complete a Combined BSc (Biochemistry)/HBA program.

**Background**

Currently, the only Honors Specialization module leading to a Bachelor of Medical Sciences (BSc) degree that participates in a combined program with the Richard Ivey School of Business is the Honors Specialization in Medical Sciences (being replaced by Interdisciplinary Medical Sciences or "IMS"). The final year of the Honors Specialization in Medical Sciences/IMS does not contain an undergraduate research project. The Department of Biochemistry is interested in providing students with the opportunity to pursue an Honors Specialization module that requires a fourth-year research project (i.e. the Honors Specialization in Biochemistry) in a combined program with the Richard Ivey School of Business.

6. **Schulich School of Medicine & Dentistry and Faculty of Science: Introduction of an Honors Specialization in Biochemistry and Pathology of Human Disease**

**Recommended:** That effective September 1, 2014 an Honors Specialization in Biochemistry and Pathology of Human Disease, leading to a Bachelor of Medical Sciences (BSc) degree, be introduced by the Departments of Biochemistry and Pathology in the Schulich School of Medicine & Dentistry as shown in [Appendix 5](#).

**Background:**

The Honors Specialization in Biochemistry and Pathology of Human Disease is being introduced to replace the Honors Specialization in Clinical Biochemistry, which is being withdrawn. The pathology component in the new module will be strengthened by adding Pathology 3245B (Diseases of Organ Systems) as a required course and having Pathology 4200A/B (Current Concepts in the Pathogenesis of Human Diseases) and 4400A/B (Environmental Pathology) listed as possible modular courses. In addition, students can choose to do the honors research project in either Biochemistry (4483E) or Pathology (Pathology and Toxicology 4980E). The diagnostics aspect of this subject area is a focus of the Department of Pathology. The proposed new module will enrich the options available to the students. Moreover, offering this new Honors Specialization module, offered jointly with the Department of Pathology, will enhance the flexibility in course offerings and the long-term sustainability of this module.

7. **Schulich School of Medicine & Dentistry and Faculty of Science: Withdrawal of the Honors Specialization in Clinical Biochemistry module**

**Recommended:** That effective September 1, 2014, admission to the Honors Specialization in Clinical Biochemistry be discontinued by the Schulich School of Medicine & Dentistry, and

That students enrolled in the module prior to September 1, 2014 be permitted to continue with the understanding that they must complete the requirements prior to September 1, 2018, and,

That effective September 1, 2018, the module be withdrawn and all registration discontinued.

**REVISED CALENDAR COPY**

<http://westerncalendar.uwo.ca/2014/pg617.html>

Effective September 1, 2014, admission to the Honors Specialization in Clinical Biochemistry will be discontinued and, that effective September 1, 2018, the module will be withdrawn. Students enrolled prior to September 1, 2014 will be permitted to continue with the understanding that they must complete the requirements prior to September 1, 2018.

### **Background**

The Honors Specialization in Clinical Biochemistry is being withdrawn and replaced by the Honors Specialization in Biochemistry and Pathology of Human Disease.

8. **Schulich School of Medicine & Dentistry and Faculty of Science: Revision to the Admission and Module requirements for the Honors Specialization in Medical Biophysics (Clinical Physics Concentration)**

**Recommended:** That the Admission and Module Requirements for the Honors Specialization in Medical Biophysics (Clinical Physics Concentration) be revised effective September 1, 2014 as shown in [Appendix 6](#).

### **Background:**

The Honors Specialization in Medical Biophysics (Clinical Physics Concentration) is being revised by including Mathematics 1600A/B in the Admission Requirements and the Module requirements since it is a pre- or corequisite for Physics 2110A/B. Many Medical Biophysics courses involve assignments/projects that involve MATLAB programming and, to equip students with the necessary MATLAB skills and increase consistency amongst the Honors Specialization modules in Medical Biophysics, Computer Science 2035A/B is being added with the recommendation that it be completed prior to Year 3. The Department of Medical Biophysics has received confirmation from CAMPEP (Commission on Accreditation of Medical Physics Educational Programs) that only 1.5 credits at 3000- or 4000 level in Physics are necessary to enter a CAMPEP-accredited graduate program and the department is removing 1.5 physics courses from the module. The number of 4000-level Medical Biophysics courses (excluding the research project) is being increased to 1.0 to make the module consistent with other Honors Specialization modules in Medical Biophysics. Medical Biophysics 4467A/B and 4475A/B, specifically, will be required in the module (and the choice of any of Medical Biophysics 4445A/B, 4455A/B and 4535A/B will be removed) since Medical Biophysics 4467A/B and 4475A/B are required in the CAMPEP graduate program; hence taking these in the undergraduate program would be advantageous to students who choose to pursue the CAMPEP graduate program.

9. **Schulich School of Medicine & Dentistry and Faculty of Science: Revisions to the Medical Sciences First Entry program**

**Recommended:** That, effective September 1, 2014, "Medical Sciences First Entry" be revised as shown in [Appendix 7](#).

### **Background**

Medical Sciences First Entry was introduced in September 2013 and a few statements are being revised to clarify the intention of the original text.

- The high school admission requirements are being removed as these are listed elsewhere in the Academic Calendar.
- The minimum marks required in the first-year science courses must be achieved in the first attempt at these courses in order to progress to Medical Sciences 2.
- Students are being referred to the Medical Biophysics modules for the mathematics requirement as these are the only modules that have a more specific requirement.
- At the request of the Academic Counselling Office, references to the Neuroscience program have been removed to make it clearer that Medical Sciences First Entry is for students interested in modules leading to BMSc degrees.
- Information pertaining to admission to Year 3 BMSc has largely been removed since students are being referred to the Admission to BMSc section of the Academic Calendar.

10. **Schulich School of Medicine & Dentistry and Faculty of Science: Revision to the Admission Requirements to the Bachelor of Medical Sciences (BMSc) Program**

**Recommended:** That the Admission Requirements to the Bachelor of Medical Sciences (BMSc) Program be revised, effective September 1, 2014 as shown in [Appendix 8](#).

### **Background**

Medical Sciences First Entry was introduced in September 2013, along with Admission to the Bachelor of Medical Sciences (BMSc) Program and the proposed revisions are the result of dealing with student queries over the course of the past year.

The wording in the Admission Requirements to the BMSc Program is being revised to close loop holes that became apparent during the past year – courses taken in the summer need to be completed successfully, minimum marks must be achieved in the first attempt at certain courses, and the Admission Requirements need to be completed by the end of the Fall/Winter of Medical Sciences 2, etc – but the original spirit of the Admission Requirements is not changing, with the exception that students applying from the competitive pool will be considered for admission to Year 3 BMSc without having completed a full load of courses in Year 2.

To clarify the 2000-level courses that must be completed as Admission Requirements when students apply for admission to Year 3 BMSc with Double Majors, a statement is being included which refers students to the BMSc website for more details.

Some information that is considered to be counselling information is being removed and will appear on the BMSc website, such as the manner in which students from the competitive pool will be ranked for admission and the manner in which a repeated 2000-level Admission Requirement will be dealt.

11. **Schulich School of Medicine & Dentistry and Faculty of Science: Revisions to the “Modules offered in the BMSc Program” description**

**Recommended:** That the “Modules Offered in the BMSc Program” description be revised, effective September 1, 2014 as shown in [Appendix 9](#).

### **Background**

Medical Sciences First Entry was introduced in September 2013, along with “Admission to the Bachelor of Medical Sciences (BMSc) Program” and “Modules Offered in the BMSc Program”.

In the section of the Academic Calendar that deals with “Admission to the Bachelor of Medical Sciences (BMSc) Program”, it is stated that admission to Year 3 BMSc is based on the average achieved on the 2000-level courses listed in the Admission Requirements for the module(s) to which students apply. If more than 3.0 2000-level courses are listed in the Admission Requirements, the average achieved on the best 3.0 of these courses is used to determine whether or not students are admitted to Year 3 BMSc. In the section of the Academic Calendar that deals with admission to the modules in the BMSc Program, i.e. “Modules Offered in the BMSc Program”, it is stated that once admitted to Year 3 BMSc, admission to the Honors Specialization modules is based on the average achieved on ALL of the 2000-level courses listed in the Admission Requirements. For those modules having more than 3.0 2000-level courses in the Admission Requirements, two averages are being used during the adjudication process: (i) one average for admission to Year 3 BMSc and (ii) a different average for admission to the Honors Specialization module. It has been decided that admission to Year 3 BMSc *and* admission to an Honors Specialization module should be determined using the average achieved on *one* set of courses, regardless of the number of 2000-level courses listed in the Admission Requirements to which the student applies. Reference to special permission being granted for students lacking some requirements is being removed, at the request of the Academic Counselling Office, and will be added to the BMSc website (as policy). Other revisions proposed to “Modules Offered in the BMSc Program” are housekeeping revisions and attempts to reduce the wordiness of this section of the Academic Calendar.

12. **Faculty of Science: Revisions to the Physics and Astronomy modules**

**Recommended:** That the modules in Physics and Astronomy be revised effective September 1, 2014 as listed in [Appendix 10](#).

### **Background**

Changes are proposed for the Honors Specialization and Specialization modules in Physics, Astrophysics and Medical Physics to require more advanced-level courses. This reflects an advanced curriculum that was identified as being important for students proceeding to graduate studies, and the modules now require 10.0 courses total. In particular, a 0.5 course of Physics 4351A/B—Electromagnetic Theory II is



now required in the Honors Specialization and Specialization modules in Physics, Astrophysics, and Medical Physics.

Also two changes have been made in the admission requirements to: **1)** encourage students to fulfill the additional 0.5 Science course from one of Chemistry, Statistics, or Computer Science, which will serve to strengthen their background for later courses; **2)** now explicitly list Math 1600A/B (Linear Algebra) as an admission requirement so students take it in first year when possible. The description for the Calculus requirement has been reworded for clarity and consistency across the modules (multiple versions existed).

13. **School of Graduate and postdoctoral Studies: Revisions to the Ph.D. program in Chemistry**

**Recommended:** That, effective September 1, 2014 the course requirements for the Ph.D. program in Chemistry be revised

**Proposed changes in the Ph.D. program in Chemistry**

<b>Current program requirements (Ph.D.)</b>	<b>After proposed changes (Ph.D.)</b>
<p>The requirements for the degree of Doctor of Philosophy are:</p> <ul style="list-style-type: none"> <li>• 2.5 Graduate Full-Course Equivalents*</li> <li>• Chemistry 9658, which is a course based on the presentation of a seminar.</li> <li>• Submission of a thesis.</li> <li>• The duration of the program is four years.</li> </ul>	<p>The requirements for the degree of Doctor of Philosophy in Chemistry are:</p> <ul style="list-style-type: none"> <li>• 2.0 Graduate Full-Course Equivalents</li> <li>• Chemistry 9658, which is a course based on the presentation of a seminar.</li> <li>• Submission of a thesis and public lecture on the research.</li> <li>• The duration of the program is four years.</li> </ul>

\*Graduate courses in chemistry are typically 0.25 (6 weeks) or 0.5 (one term) FCE.

**Background:**

The proposed modifications resulted from a comparison of the chemistry graduate program at Western to other competitor universities, where it became obvious that Western's course loads were higher. The course reduction will increase the competitiveness of the Chemistry program in both recruitment and in competition for research awards. The change will not affect students negatively as new students and students currently enrolled in the program will have to meet the reduced course requirements effective immediately.

14. **Brescia University College, Division of Food and Nutritional Sciences: Introduction of the Diploma in Nutrition**

**Recommended:** That effective September 1, 2014, the Diploma in Nutrition be introduced at Brescia University College as shown in [Appendix 11](#).

**Background**

This Diploma program formalizes the current practice followed in assessing international students who are interested in pursuing the MScFN (Thesis Stream). Most of the past students who were offered conditional acceptance to the program have indicated that a certification of completion of the courses would give them some leverage in applying for scholarship funding from their governments to pursue the master's program. Thus, this proposal will increase the potential pool of international applicants who would go back to their home countries with more research skills and knowledge in foods and nutrition and able to assume leadership roles.

15. **King's University College, Management and Organizational Studies: Introduction of the Specialization in Accounting**

**Recommended:** That effective September 1, 2014, the Specialization in Accounting be introduced at King's University College as shown in [Appendix 12](#).

### **Background**

The BMOS Specialization in Accounting is introduced to provide more modular choices for students registered in MOS Program. A significant number of prospective students have indicated a desire to obtain a Specialization in Accounting and indicated their interest in pursuing a high level career in accounting. It is expected that the need for business-related education will continue to grow and the Specialization in Accounting will be heavily subscribed. Graduates from the Specialization Module in Accounting will be well prepared to pursue positions in professional accounting or other business analyst positions.

16. **Policy revision: Breadth Requirements for Graduation**

**Recommended:** That effective September 1, 2014 the policy on Breadth Requirements for Graduation be revised as shown in [Appendix 13](#).

### **Background**

English Language and Culture was added to the Breadth Requirements for Graduation under the Arts and Humanities section and it was removed from the Languages section. Writing courses that are no longer offered were removed from the policy and French Studies was added to Category B to recognize it as an academic discipline.

17. **Revisions to the Undergraduate Sessional Dates for the HBA program**

**Recommended:** That the undergraduate sessional dates for the Richard Ivey School of Business' HBA program for 2014 – 2015 be revised, as outlined in [Appendix 14](#).

### **FOR INFORMATION**

18. **Report of the Subcommittee on Program Review – Undergraduate (SUPR-U): Cyclical Reviews**

SCAPA approved the recommendations of the Subcommittee on Program Review – Undergraduate (SUPR-U) with respect to the cyclical reviews of the undergraduate programs in Asian Studies and French at Huron University College. The Final Assessment Reports are attached as [Appendix 15](#).

19. **Editorial changes to the descriptions of the Scholar's Electives programs offered at the Affiliated University Colleges**

At its May 9, 2014 meeting Senate approved changes to the description of the Western's Scholar's Electives program. The changes were implemented, so the terms "module" and "program" would be used correctly. As a result of the approved changes to the Western Scholar's Electives program, the descriptions of the Scholar's Electives programs offered at the Affiliated University Colleges needed to change as well as shown in [Appendix 16](#). All changes are editorial and aim to synchronize the language of all Scholar's Electives programs.

20. **New Scholarships and Awards**

SCAPA has approved on behalf of the Senate, for recommendation to the Board of Governors through the President & Vice-Chancellor, the Terms of Reference for the new scholarships and awards as set out in [Appendix 17](#).



**Faculty of Arts and Humanities: Major in Medieval Studies**

**NEW CALENDAR COPY**

**MAJOR IN MEDIEVAL STUDIES**

**Admission Requirements**

Completion of first-year requirements, including 1.0 courses from Medieval Studies 1022 or both of Medieval Studies 1025A/B and 1026A/B with a mark of at least 60%. Students should consult with the Academic Counselling Office of the Faculty of Arts and Humanities prior to admission.

**Module**

6.0 courses

0.5 course: Medieval Studies 2022F/G

0.5 course: Medieval Studies 3022F/G

1.0 course from: History 2149A/B, 2401E, 2405E, 2607F/G, 2650E, 2809E, 3426F/G, 3605E, 4421E; Music 3700A/B; Philosophy 2006, 2210F/G, 2205W/X, 3012F/G, 3014F/G, 4023F/G, 4024F/G, 4026F/G, 4027F/G; Visual Arts History 2251E, 2252F/G, 2253E, 2254F/G 2255F/G

1.0 course from: Comparative Literature and Culture 2236F/G, 2285F/G, 3333F/G, 3334F/G, 3335F/G, 3380F/G; English 3012, 3114E; French 3540F/G, 3541F/G, 3542F/G, 4040A/B

1.0 course from: Latin 2000\*

2.0 courses, additional courses from those listed above or Medieval Studies 3320F/G, 4320F/G, or those on a list approved by the Committee for Medieval Studies, available from the program coordinator. Special topics courses are not offered every year; students should check the website for current courses. Students must take 1.0 courses (including MS 3022F/G) at the 3000-level or higher.

Note: Some courses in this module may require prerequisites not required for admission; students are advised to check course prerequisites carefully.

\*Latin 1000 is the prerequisite for Latin 2000; if you have Grade 12U Latin, please consult the Department of Classical Studies for a possible waiver.

**Faculty of Arts and Humanities, Department of Modern Languages and Literatures:**  
**Revisions to the Comparative Literature and Culture modules**

REVISED CALENDAR COPY

<http://www.westerncalendar.uwo.ca/2014/pg1837.html>

**MINOR IN COMPARATIVE LITERATURE AND CULTURE**  
***(Currently listed as Minor in World Literatures and Cultures)***

**Admission Requirements**

Completion of first-year requirements, including **1.0 course from** CLC 1020 **or CLC 1040** the former 1021E with a mark of at least 60%, or permission of the Department.

**Module**

4.0 courses:

4.0 courses in Comparative Literature and Culture at the 2000 level or above.

REVISED CALENDAR COPY

<http://www.westerncalendar.uwo.ca/2014/pg1835.html>

**MAJOR IN COMPARATIVE LITERATURE AND CULTURE**  
***(Currently listed as Major in World Literatures and Cultures)***

**Admission Requirements**

Completion of first year requirements, including **1.0 course from** CLC 1020 **or CLC 1040** with a mark of at least 60%. ~~French 1900E or 1910 or another non-English language at the 2200 level is recommended.~~

**~~Module~~**

~~6.0 courses:~~

~~0.5 course~~ normally taken in second year: CLC 2204F/G.

~~0.5 course~~ normally taken in third year: CLC 2205F/G.

~~3.0 CLC courses~~ at the 2200-2999 level.

~~1.0 CLC course~~ at the 3000 level or above.

~~1.0 additional CLC course~~ at the 2200 level or above.

~~1.0 course is required to fulfill the language requirement for graduation: French 1900E or 1910 or another non-English language course at the 2200 level.~~

**Module**

**6.0 courses:**

**1.0 course:** from CLC 2000 level or above

**0.5 course** (must be taken in second year): CLC 2200F/G

**2.0 courses:** from CLC 2201F/G or above

**0.5 course** (must be taken in third year): CLC 3300F/G

**2.0 courses:** from CLC 3301F/G or above.

Some courses in this module require first year prerequisites. In order to be considered for admission to graduate programs in Comparative or World Literature, we recommend combining a Major in CLC with a Major focused on a language and culture. At minimum a language course, either French 1900E or 1910 or another non-English language course at the 2200 level, or a Certificate in practical language are recommended. Please note that 1.0 course may be double-counted between the CLC module and a Major or Certificate in a non-English language offered by the department.

REVISED CALENDAR COPY

<http://www.westerncalendar.uwo.ca/2014/pg1836.html>

**SPECIALIZATION IN COMPARATIVE LITERATURE AND CULTURE**  
*(Currently listed as Specialization in World Literatures and Cultures)*

**Admission Requirements**

Completion of first year requirements, including **1.0 course from** CLC 1020 **or CLC 1040** with a mark of at least 60%.

**Module-**

~~9.0 courses:~~

~~0.5 course normally taken in second year: CLC 2204F/G.~~

~~0.5 course normally taken in third year: CLC 2205F/G.~~

~~0.5 course from: CLC 2236F/G, 2240F/G.~~

~~0.5 course from: CLC 2250F/G, 2260F/G.~~

~~0.5 course from: CLC 2270F/G, 2271F/G.~~

~~0.5 course from: CLC 2272F/G, 2273F/G.~~

~~1.0 course in CLC at the 3000 level or above.~~

~~5.0 courses in CLC at the 2000 level or above, no more than 2.0 of which may be at the 2000-2199 level.~~

~~1.0 course is required to fulfill the language requirement for graduation: French 1900E or 1910 or another non-English language course at the 2200 level.~~

**Module**

**9.0 courses:**

**3.0 courses:** from CLC 2000 level or above

**0.5 course** (must be taken in second year): **CLC 2200F/G**

**2.0 courses:** from CLC 2201F/G or above

**1.0 course:** either French 1900E or 1910 or another non-English language course at the 2200 level

**0.5 course** (must be taken in third year): **CLC 3300F/G**

**2.0 courses:** from CLC 3301F/G or above

Some courses in this module require first year prerequisites. Students who can demonstrate language proficiency either in French 1900E or 1910 or another non-English language course at the 2200 level may be given permission to replace 1.0 language credit with 1.0 literature and culture course in the second language at the 2200 level or above. Please note that 1.0 course may be double-counted between the CLC module and a major or certificate in a non-English language offered by the department.

REVISED CALENDAR COPY

<http://www.westerncalendar.uwo.ca/2014/pg1834.html>

**HONORS SPECIALIZATION IN COMPARATIVE LITERATURE AND CULTURE**  
*(Currently listed as Honors Specialization in World Literatures and Cultures)*

**Admission Requirements**

Completion of first-year requirements with no failures. Students must have an average of at least 70% in 3.0 principal courses (including **1.0 course from** CLC 1020 **or CLC 1040**); ~~plus 2.0 additional principal courses~~ **must be taken** with no mark below 60%. ~~A non-English language is recommended.~~ Consultation with the Undergraduate Chair is recommended for all students.

**Module-**

~~9.0 courses:~~

~~0.5 course~~ required in second year: CLC 2204F/G.

~~0.5 course~~ required in third year: CLC 2205F/G.

~~0.5 course~~ from: CLC 2236F/G, 2240F/G.

~~0.5 course~~ from: CLC 2250F/G, 2260F/G.

~~0.5 course~~ from: CLC 2270F/G, 2271F/G.

~~0.5 course~~ from: CLC 2272F/G, 2273F/G.

~~0.5 course~~ at the 2200 level or above in the untranslated literature of one of the non-English languages studied for the language requirement.

~~3.5 additional courses~~ in CLC at the 2200 level or above\*.

~~1.0 course~~ in CLC at the 3000 level or above.

~~1.0 course~~ in CLC at the 4000 level.

~~2.0 courses~~ are required to fulfill the language requirement for graduation:

~~1.0 course:~~ French 1900E or 1910 or another non-English language course at the 2200 level.

~~1.0 course~~ in a second, non-English language course at the 2200 level.

\*With the permission of the Department, up to 1.5 courses taken at the 2200 level or above in untranslated non-English literature may be substituted for any of these 3.5 courses, with the exception of the 0.5 course in untranslated literature (2200 level or above). With the permission of the Department, an undergraduate thesis worth a full credit (Comparative Literature and Culture 4410E) may be substituted in fourth year for 1.0 of these 3.5 courses.

**Module**

**9.0 courses:**

**1.0 course:** from CLC 2000 level or above

**0.5 course** (must be taken in second year): CLC 2200F/G

**2.0 courses:** from CLC 2201F/G or above

**1.0 course:** either French 1900E or 1910 or another non-English language course at the 2200 level

**0.5 course:** at the 2200 level or above in the untranslated literature and culture of the non-English language studied

**0.5 course** (must be taken in third year): CLC 3300F/G

**2.0 courses:** from CLC 3301F/G or above

**0.5 course:** from CLC 4000 level

**1.0 course:** CLC 4410E

Some courses in this module require first year prerequisites. Students who can demonstrate language proficiency either in French 1900E or 1910 or another non-English language course at the 2200 level may be given permission to replace 1.0 language credit with 1.0 literature and culture course in the second language at the 2200 level or above. Please note that 1.0 course may be double-counted between the CLC module and a major or certificate in a non-English language offered by the Department.

**Faculty of Education: Revisions to the B.Ed. program**

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**APPLICATION PROCEDURES**

On-line Applications are available in mid-September from:

The Teacher Education Application Service,  
Ontario Universities' Application Centre, (OUAC)

P.O. Box 1328, 650 Woodlawn Road West,

Guelph, Ontario N1H 7P4

Phone: 519-823-1063

Fax: 519-823-5232

Website: [www.ouac.on.ca/teas](http://www.ouac.on.ca/teas)

Hard copy application packages can be ordered from OUAC for an additional fee.

Questions about the admission process can be answered in the Preservice **Teacher Education** Office, Faculty of Education, 519-661-2093, or email [eduwo@uwo.ca](mailto:eduwo@uwo.ca).

**Candidates will receive further information and instructions regarding documentation and interviews directly from the faculties.**

Applications, the application fee, the Transcript Request Form, and the non-refundable processing fee must be received by OUAC no later than December 1, 2008 **of the year before the student hopes to begin the program**. Normally, late applications will ~~only~~ be considered by Western **only** on an exceptional basis.

Deadline: All applications, fees, support documentation, and transcripts must be received by the published deadline.

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**GENERAL INFORMATION**

The Faculty of Education offers ~~counselling~~ **advisory** services to prospective students who are considering a career in education. Candidates are invited to contact the Preservice **Teacher Education** Office to arrange an appointment with the **Program Advisor** ~~Admission Coordinator~~. Information about admission to preservice programs and certification requirements is also available from:

The Preservice **Teacher Education** Office,

Faculty of Education,

Western University

1137 Western Road

London, Ontario

N6G 1G7

Phone: 519-661-2093

Email: [eduwo@uwo.ca](mailto:eduwo@uwo.ca)

Website: [www.edu.uwo.ca/programs/preservice-education/bachelor-education.html](http://www.edu.uwo.ca/programs/preservice-education/bachelor-education.html)

Information about prerequisites for continuing education and professional development is available from:

The Continuing Teacher Education Office,

Faculty of Education

Phone 519-661-2092

Email: [conted@uwo.ca](mailto:conted@uwo.ca)

Website: [www.edu.uwo.ca/programs/continuing-education/](http://www.edu.uwo.ca/programs/continuing-education/)

Information about graduate programs is available from:

The Graduate Programs Office,  
Faculty of Education  
Phone 519-661-2099  
Email: [graded@uwo.ca](mailto:graded@uwo.ca)  
Website: [www.edu.uwo.ca/programs/graduate-education/](http://www.edu.uwo.ca/programs/graduate-education/)

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**CERTIFICATION**

Qualified candidates who are successful in ~~Preservice programs of~~ **achieving the B.Ed. degree at** the Faculty of Education will be recommended for a Certificate of Qualification issued by the Ontario College of Teachers. Certification is explained fully in Ontario Regulation 184/97 which governs Ontario teacher qualifications made under the Ontario College of Teachers Act. The Ontario College of Teachers requires **new applicants to submit** both a criminal record check and a criminal record declaration ~~by the applicant~~ as necessary components of registration ~~for new applicants~~. Enquiries should be directed to the Ontario College of Teachers or the ~~Preservice~~ **Teacher Education** Office, Faculty of Education.

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**FEES**

A student must register for ~~6-9~~ **9.0 credits** and shall be considered a full-time student and will pay full fees. The Faculty of Education does not offer part-time programs at the ~~Preservice B.Ed.~~ level. A non-refundable deposit on tuition fees is required from each admitted applicant. The deposit must be paid within two weeks of receiving the admission offer or the admission offer ~~will~~ **may** be ~~cancelled~~ **withdrawn**.

To provide experience in a variety of classroom settings students should expect to be assigned to schools beyond the London area (West Lorne to Clinton to Waterloo) for one or more practicum sessions. ~~The student should~~ **Students must** be prepared to assume responsibility for any arrangements and expenses involved (e.g., the use of a car, carpooling).

For fees policies and information, please visit the [STUDENT FINANCIAL SERVICES](#) section.

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**PROGRESSION REQUIREMENTS**

**~~Bachelor of Education Degree to Be Granted to Holders of the Diploma in Education (Technological Studies)~~**

~~Graduates of the Diploma in Education (Technological Studies) will be granted a Bachelor of Education Degree (BEd) upon submission of proof that they have been granted an approved degree from an accredited university.~~

**~~Bachelor of Education, Diploma in Education (Technological Studies) and Additional Qualification Courses for Teachers~~**

- a. The progress of each student is subject to various forms of evaluation on a regular basis throughout the academic year. Eligibility to remain registered in any program is contingent on a student's ability to maintain a satisfactory level of academic, professional, and pedagogic performance in the Practicum and all other courses.

- b. A student who fails to maintain a satisfactory level of performance shall, at any time, at the discretion of the Dean or his/her designate, in consultation with the student's instructors:
  - 1. be required to withdraw, or
  - 2. be placed on Conditional Status
- c. At the discretion of the Dean or his/her designate, in consultation with the student's instructors, a student may, at any time, be denied the opportunity to be placed in a public or separate school for practice teaching or other purposes related to the program at the Faculty of Education.
- d. Reasons for Withdrawal, Conditional Status, or denial of the opportunity for school placements shall be provided to the student in writing. Moreover, students who are placed on Conditional Status shall be provided in writing with a set of conditions to be met for successful completion of their program.

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## GRADUATION REQUIREMENTS

A total of **6 9.0 credits** is required for graduation. Candidates for either the Bachelor of Education degree or the Diploma in Education (Technological Education) must pass all courses in their approved program of studies with an overall program average of at least 60.0% and obtain a Satisfactory rating in Student Teaching **all practica and field experience requirements.**

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## DEAN'S HONORS LIST

Graduating students in the BEd/DipEd program must **who** achieve an overall minimum-weighted average of **at least** 85% in order to **will** qualify for inclusion on the Dean's Honor List and to **will** graduate "With Distinction."

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## ADMISSION REQUIREMENTS

Admission to all Faculty of Education programs is ~~very competitive; therefore, fulfillment of the minimum requirements as described below, does not guarantee admission.~~

For the greatest flexibility in program and future career choices, it is strongly recommended that a 4-year degree, or equivalent, **is strongly recommended.** ~~be completed in preparation for programs in Education. If graduate courses have been completed, they will be taken into consideration, but will not guarantee admission.~~

~~Graduate courses have been completed, they will be~~ **are** taken into consideration **during the admissions process** but ~~will do~~ not guarantee admission.

Admission is based primarily on academic standing, ~~but the Faculty takes experiential~~ **Experiential** qualifications **are** into consideration **considered** in the final **phase of the** selection process.

Graduates from our ~~the~~ **the** B.Ed. or Dip.Ed. (Technological Studies) program are recommended for certification by the Ontario College of Teachers (OCT).

### Aboriginal Access Program

Aboriginal candidates who meet the minimum admission requirements will be given special consideration in the application process. In accordance with the Constitution Act, 1982, an Aboriginal candidate is an Indian, Inuit or Métis person of Canada. Applicants who wish to be considered through the Aboriginal Access program must provide proof of native status (such as a copy of status card or letter from the band). Aboriginal Access applicants are invited to contact the ~~Preservice~~ **Teacher** Education Office at the Faculty of Education for further information.

### English Language Proficiency

For admission to the Faculty of Education, all students must ~~meet one of the following criteria:~~

a) ~~their mother tongue or~~ **speak English as a** first language is English; **OR**

b) ~~they have~~ **completed** ~~studied full-time for at least three years~~ **of full-time study** (or ~~the~~ equivalent in part-time ~~studies~~ **study**) in an accredited university **or college** where the language of instruction and of examination was English and which was located in a country where the first language is English. ~~(For applicants to the DipEd program, the equivalent amount of time at an accredited college where the language of instruction and of examination was English and which was located in a country where the first language is English will be accepted upon approval of the Dean.)~~

**OR**

c) ~~they have achieved~~ **provide an official statement of results** ~~the required level of proficiency on one of the following tests in~~ **of English language proficiency; the statement is required** ~~and have provided an official statement of results on~~ **or before February 28th in the year of registration, and must indicate at least the following levels or proficiency:** ~~for:~~

i) Test of Oral Proficiency (TOP) with a minimum score of ~~7~~ **46** and Test of Written Proficiency (TWE) with a minimum score of ~~34~~ **6**;

**OR**

ii) 103 internet-based TOEFL, including a speaking score of 28 and a writing score of 28;

**OR**

iii) MELAB (Michigan English Language Assessment Battery) with a minimum score of 90 and at least 4 on the oral interview;

**OR**

iv) IELTS (International English Language Testing System) with a minimum score of 7 including at least 6.5 in reading and speaking and at least 7 in writing and speaking.

Students who, after admission, show an inadequate command of spoken or written English must improve their proficiency to the ~~School's~~ **Faculty's** satisfaction. Students may be asked to withdraw from the program if their inadequate command of English interferes with their ability to communicate effectively in the classroom.

### Police Record Check

**Neither Western University nor the Faculty of Education requires a Police Record Check as a condition of admission. However, a Police Record Check which includes Vulnerable Position Screening and is acceptable to the school boards with which we place Teacher Candidates is required before you can be placed in a school for a practicum. If information appears on your police record check that**



**is unacceptable to school boards, you will not be able to be placed for a practicum and will be required to withdraw from the program.**

If you were born after January 1986 OR if you have previously received an OESC ID card, your police check should be done via the OESC at [www.oesc-cseo.org/English/bed\\_students.html](http://www.oesc-cseo.org/English/bed_students.html). If you do not qualify for the online check, it is your responsibility to check the procedures and timelines at your local police service. We recommend that you begin the process in mid-May, but note that completed checks must be dated no earlier than June 1, 2014. A copy of your completed police check must be submitted to the Teacher Education Office by the first day of classes, September 2, 2014. Failure to submit your police check on time, or submission of a police check that is not acceptable to a school board, may result in your withdrawal from the program.

~~Candidates who accept an offer of admission from the Faculty of Education are required to complete a satisfactory Police Record Check prior to having direct contact with students. Students will not be able to attend practicum placements without a satisfactory Police Record Check.~~

### **Minimum Requirements for Application to the B.Ed. Programs**

All of the following conditions must be met when an application is submitted to the Faculty of Education:

- All candidates must **be on track to** complete their programs of study from an acceptable undergraduate degree program at an accredited university by August 31<sup>st</sup> in the year **in which they wish to register in the Faculty of Education** of registration. The degree must be conferred no later than the Fall of ~~the same~~ **that** year.
- All candidates must have successfully completed **the equivalent of** 10 full ~~(or equivalent number)~~ university credits at the time of application. Transfer credits from community colleges or CEGEP courses will not be considered. Preference will be given to graduates who have attained four-year degrees with **the equivalent of** 20 full ~~or equivalent~~ credits.
- All applicants must have a minimum average of 70% in their best 10 full ~~or equivalent~~ undergraduate credits, **or the equivalent**. As well, Junior/Intermediate and Intermediate/Senior applicants must have a minimum average of 70% in those credits which support their teaching subjects. *Courses taken after August in the year of registration will be counted in support of program requirements, but cannot be included in the calculation of the overall and teaching subject averages.* List these and other credits which will be completed to meet final degree requirements in the TEAS application form.

By mid-September each year a common application form is available for all faculties of education in Ontario from The Teacher Education Application Service, Ontario Universities' Application Centre. (See Application Procedures)

Candidates with acceptable standing at accredited degree-granting institutions may be considered for admission provided that the content of studies completed is equivalent in content to the courses offered by Western, and to the requirements of the program to which the student has applied. The university will review other candidates on an individual basis. Admission in all cases is competitive.

~~The m~~Minimum qualifications for admission to the following ~~Preservice~~ programs are summarized below.

### **Primary/Junior Program (JK-grade 6) and Junior/Intermediate Program (Grades 4-10) (Junior Kindergarten to Grade 6)**

Preferred status ~~will be~~ **is** given to candidates who have completed at least one half undergraduate or graduate credit in four, five, or six of the following areas: English\*, Fine Arts\*\*, Health and Physical Education, Mathematics, Science, and Social Science/Humanities (Canadian History/Geography preferred). Applicants must have an acceptable baccalaureate degree with an overall "B" average (70%).

\*English: **Courses in** English culture, linguistics, and writing for business and scientists, **and** academic and university essay writing courses are **not** acceptable **as background courses**.

\*\*Fine Arts ~~is defined as~~ **includes** dance, drama, music, and visual arts.

### **Teaching Subjects for the Junior/Intermediate Program (Grades 4-10)**

Applicants to the Junior/Intermediate program must select one teaching subject area: Music (Vocal or Instrumental), or Religious Studies for Catholic Schools, or French.

**French: The program in French is described in the next section.**

**Music (Vocal):** Credits should include at least one choral or vocal techniques course, one choral conducting course, and one music theory course.

**Music (Instrumental):** Credits used to support this teaching subject should include at least one instrumental conducting course, several minor instrument courses in woodwinds, brass and percussion, and one music theory course.

**Religious Education:** Five full credits, or the equivalent, are required. These should address several of the following areas: Old and New Testament studies, Catholic Church teachings in morality and social justice, sacraments, sexuality and marriage in the Catholic tradition, and Vatican II theology. Religious Education is offered as a teaching subject only for Roman Catholic schools; practicum in this subject area will occur only in Roman Catholic elementary schools.

### **Primary/Junior and Junior/Intermediate French as a Second Language Program**

Applicants must be fluent in French and meet ~~all the~~ minimum requirements for the P/J **or J/I** program. Admission ~~to the FSL program requires~~ **the equivalent of 5.0 or equivalent) full** French courses with a 70% average, at least 2.0 of which ~~must~~ **should** be language courses **rather than literature**. For those hoping to teach in French-immersion settings, ~~it is desirable to have~~ **at least 1.0 or more** courses in French Literature **is recommended. Applicants must have an acceptable baccalaureate degree with an overall "B" average (70%).**

### **Additional Requirements and Exceptions**

~~**English:** English culture; linguistics, and writing for business and scientists; academic and university essay writing courses are not acceptable.~~

~~**Family Studies:** At least two of the four following areas must be represented: Child and Family Development, Clothing and Textiles, Foods and Nutrition, or Family Resource Management (Consumer Economics).~~

~~**French:** Five full credits at least two of which should be in language rather than literature alone, are required. Students should possess oral and written fluency in French and a thorough knowledge of grammar. The Faculty of Education reserves the right to test candidates to ensure that they meet the above standards.~~

~~**Geography:** At least a half credit (and preferably a full credit) in Canadian Geography must be included.~~

~~**History:** At least a half credit (and preferably a full credit) in Canadian History must be included.~~

**Mathematics:** ~~At least one full senior Math credit must be included.~~

**Music (Vocal):** ~~Credits should include at least one choral or vocal techniques course, one choral conducting course, and one music theory course.~~

**Native Studies:** ~~Courses in the history, languages, culture, and art of Canadian First Nations people are desirable.~~

**Physical and Health Education:** ~~Five full credits in physical education, which include activity courses are required. Three activity courses are preferred.~~

**Religious Education:** ~~Five full credits, or the equivalent, are required. Credits should cover several of the following areas: Old and New Testament studies, Catholic Church teachings in morality and social justice, sacraments, sexuality and marriage in the Catholic tradition, and Vatican II theology. Religious Education is offered as a teaching subject only for Roman Catholic schools; student teaching in this subject area will occur in Roman Catholic elementary schools only.~~

**Science-General:** ~~Credits in at least three of the following areas are required: Biology, Chemistry, Earth & Space Science, Environmental Science, Physics.~~

**Visual Arts:** ~~At least one survey course in art history or criticism, plus studio courses, are required.~~

### **Intermediate/Senior Program (Grades 7 to 12)**

Applicants to the Intermediate/Senior program must select two teaching subjects from the following list:

**Biology, Chemistry, Physics, General Science, Mathematics, French, English, History, Social Studies, Instrumental or Vocal Music, or Religious Education for Catholic Schools**

~~Biology, Chemistry, Drama\*, English, Family Studies, French\*, Geography, History, Individual and Society, Mathematics, Music (Vocal), Music (Instrumental), Native Studies, Physical and Health Education, Physics, Religious Education\*, Science-General, and Visual Arts.~~

Preference will be given to candidates who have completed the minimum requirements toward both teaching options at time of application. Minimum admission requirements are:

- a) an acceptable baccalaureate degree with an overall "B" average (70%);
- b) five full undergraduate or graduate level courses, or the equivalent, to support the first teaching option with a minimum average of "B" (70%).
- c) credit in a minimum of three full undergraduate or graduate level courses, or the equivalent, to support the second teaching option with a minimum average of "B" (70%).

### **Additional Requirements and Exceptions**

**Drama:** ~~As a second teaching subject, two full credits in Dramatic or Theatre Arts are required. Credits should include practical components in theatre or drama production.~~

**English:** **Courses in** English culture, linguistics, and writing for business and scientists, and academic and university essay writing ~~courses are not acceptable~~ **in support of English as a teaching subject.**

**Family Studies:** ~~As a first teaching subject, at least three of the five following areas must be represented: Child and Family Development, Housing and Interior Design, Clothing and Textiles, Foods and Nutrition, or Family Resource Management (Consumer Economics). As a second teaching subject, at least two of the three areas must be represented.~~

**French:** As a first or second teaching subject, five full credits are required. At least two credits should be in language rather than literature alone. Students should possess oral and written fluency in French and a thorough knowledge of grammar. The Faculty of Education reserves the right to test candidates to ensure that they meet the above standards.

**Geography:** ~~At least a half credit (and preferably a full credit) in Canadian Geography must be included.~~

**History:** At least a half credit (and preferably a full credit) in Canadian History must be included.

**Music:** ~~Candidates are strongly encouraged to~~ **may** select either Instrumental Music or Vocal Music as **a** teaching options, but not both. ~~Strong preference will be given during the admissions process to candidates who choose one Music option and accompany it with a teaching option from another subject area.~~

**Music (Instrumental):** Credits used to support this teaching subject should include at least one instrumental conducting course, several minor instrument courses in woodwinds, brass and percussion, and one music theory course.

**Music (Vocal):** Credits used to support this teaching subject should include at least one choral or vocal techniques course, one choral conducting course, and one music theory course.

**Native Studies:** ~~Courses in the history, languages, culture, and art of Canadian First Nations people are desirable.~~

**Physical and Health Education:** ~~Activity courses must be included. Three activity courses are preferred.~~

**Religious Education:** For either a first or second teaching subject, credits should ~~cover~~ **include** several of the following areas: Old and New Testament Studies, Catholic Church Teachings in Morality and Social Justice, Catholic Sacramental Theology, Catholic Doctrine, Ecclesiology and Vatican II Theology, and Sexuality and Marriage in the Catholic Tradition. Religious Education is offered as a teaching subject only for Roman Catholic Schools; student teaching in this subject area will occur **only** in Roman Catholic secondary schools ~~only~~.

**Science Teaching Subjects:** ~~Candidates are strongly encouraged to select only one teaching option from among the science areas of Biology, Chemistry, and Physics. Strong preference will be given during the admissions process to candidates who choose one science option and accompany it with either Science General or a teaching option from another subject area.~~

**Science-General:** Credits in at least three of the following areas are required: Biology, Chemistry, Earth & Space Science, Environmental Science, Physics.

**Social Studies-General:** A full credit in each of the following areas is preferred: Anthropology, Psychology, Sociology. This is an optional subject in the secondary school curriculum, and entry to this teaching subject is limited. Applicants are advised to select this as a second teaching subject only.

**Visual Arts:** ~~At least one survey course in art history or criticism, plus studio courses, are required.~~

**Minimum Requirements for Diploma in Education (Technological Studies) —**

The minimum academic admission requirement of the Technological Studies program is a secondary school graduation diploma or equivalent, including Grade 12 English. An undergraduate degree is not required for the Diploma in Education (Technological Studies).

~~Applicants are required to present documented training, experience, and qualifications related to one of the following broad based Technological Studies areas: Communications Technology, Computer Technology, Construction Technology, Green Industries, Hairstyling and Aesthetics, Health Care,~~

~~Hospitality and Tourism, Manufacturing, Technological Design, and Transportation.~~

### **Admission Requirements**

~~To be eligible to apply to this program, applicants must meet the requirements below:~~

- ~~• A secondary school diploma or the equivalent;~~
- ~~• Proof of competency in the area of technological studies to which you are applying. Competency is demonstrated by formal technical education or training or by completion of a trade qualification, professional designation, or similar credential;~~
- ~~• Wage-earning experience. You will need to provide documentation for one of the following:~~
  - ~~• at least five years of full time wage-earning experience, including business or industrial experience, where the candidate used skills and knowledge in the area of technological education selected for his or her optional courses;~~
  - ~~• at least two years of wage-earning experience and successful completion of a post-secondary education program acceptable to the College that includes at least six semesters of academic studies, where the experience and education used the candidate's skills and knowledge in the area of technological education selected for his or her optional courses; or~~
  - ~~• a combination of wage-earning experience and education that totals at least five full years, of which two years must be wage-earning experience in their chosen area, no less than four months of which is continuous employment.~~

~~Preference will be given to candidates with formal apprenticeship, technician, or technologist training who can demonstrate expertise in more than one occupation housed within their broad-based Technological Studies teaching subject.~~

### **BA; BSc. Degree Completion Requirements for Technological Education Teachers Completion Steps (Three-Year Degree)**

~~Technological Studies teachers who wish to complete a baccalaureate degree as part of a coherent and consistent system of professional development will follow these steps:~~

- ~~• Students who have successfully completed three years of post-secondary education including 1) a two-year diploma at an accredited post-secondary institute (with an average of 70%) and 2) the Diploma in Education in Technological Education at a Faculty of Education, may be admitted to a Bachelor's Degree (Three-Year) program with a recommendation from Western's Faculty of Education.~~
- ~~• Upon admission to an undergraduate program, students will be enrolled in Year 2 in one of the following three Faculties: Social Science, Information and Media Studies, or Health Sciences. The Faculty and Departments concerned may further assess students' degree requirements in order to determine which prerequisites may be waived, based on credits successfully completed during their previous three years of post-secondary studies, and to prescribe the credits to be completed to fulfill the requirements of the degree and program chosen.~~
- ~~• For graduation, the students must complete either two Minor Modules or one Major Module and a total of 10.0 credits, preferably at the senior level (course numbered 100 or above).~~

~~Technological Studies students who use their DipEd and other post-secondary courses toward an undergraduate degree will not be eligible for conversion of the DipEd to the BEd unless they successfully complete a further 5.0 undergraduate credits (for a total of 15.0).~~

~~All program admission, progression, and completion requirements will be determined on a case-by-case basis. Students will have to meet all normal degree requirements including breadth requirements and~~

~~completion of essay courses. Students are advised that not all courses in minors and majors are available on-line nor are all such courses offered evenings or during the summer session. Normally all 10.0 credits are to be taken at Western.~~

### **GRADUATES WITH A BACHELOR OF MUSIC WITH HONORS IN MUSIC EDUCATION**

For admission to the Faculty of Education, students must complete the degree requirements for the Bachelor of Music in Music Education AND must meet all other requirements for the specific program to which they are applying. **Those requirements are outlined above.** Requirements for the Primary/Junior, Primary/Junior French as a Second Language, Junior/Intermediate, and Intermediate/Senior programs can be found in the **Minimum Requirements for BEd Programs** section listed above.

#### **Guaranteed Admission to the Faculty of Education**

Guaranteed admission to the Faculty of Education is offered for students in Vocal Music **and Instrumental Music** at the Junior/Intermediate (JI) level and **for students in Vocal or Instrumental Music** at the Intermediate/Senior (IS) level. (Students seeking admission to the Faculty of Education for the Primary/Junior level should follow the standard application process.) Guaranteed admission to the Faculty of Education requires a minimum cumulative weighted average of 75% in Music courses, a 70% average in courses applicable to the second teachable subject for those applying to the I/S program, and no mark below 60% in any course. Meeting these graduation requirements guarantees acceptance by the Faculty of Education at Western, with Music as a teachable subject in either the JI or IS program. Students who fall short of these requirements may still meet the requirements for the Bachelor of Music with Honors in Music Education and may apply to the Faculty of Education on that basis, although admission is not guaranteed.

### **KING'S UNIVERSITY COLLEGE - CATHOLIC STUDIES FOR TEACHERS**

See [King's University College, Catholic Studies](#).

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### **~~PRESERVICE~~ TEACHER EDUCATION PROGRAMS**

The Faculty of Education offers ~~programs leading to the Bachelor of Education~~ **program** (B.Ed.) and the Diploma in Education (DipEd Technological Education). The **program comprises four semesters, each involving 14 weeks of course work, field work, and practicum.** ~~Preservice program covers two semesters, each involving nine weeks of course work. In addition, 13 weeks of student teaching are scheduled during the first and second semesters and a two-week 'transition to professional practice' program at the end of the second semester. Orientation takes place just prior to the Labour Day weekend. Classes begin immediately after Labour Day and conclude at the end of April.~~

**The basic program requirement for Teacher Candidates is 9 credits, 6.5 of which are course work and 2.5 of which are Field Experiences including Practicum.**

~~The basic program requirement for Teacher Candidates is 6 credits, 5 of these are courses and 1 is Practicum (5004). One credit of course work is normally equivalent to 72 hours of class time plus additional out-of-class work. The practicum consists of weekly professional days, 13 weeks of block student teaching, and two weeks of 'transition to professional practice'.~~

#### **Core Courses, 2.50 credits:**

All students are required to complete the following Foundations courses:

**1.25 credits: Equity, Leadership, Policy, Profession 5002**

~~0.75 credits: Social Foundations of Education 5002~~

**1.25 credits:**~~0.75 credits:~~ Educational Psychology and Special Education 5005

**Field Experiences, 2.50 credits:**

All students are required to complete the following Field Experiences:

1.50 credits: Field Study & Practicum (3 x .50 FCE)

.50 credits: Alternative Field Experience (2 x .25 FCE)

.50 credits: Professional Days: Ministry, College, and Federation Presentations; Workshops & Symposia; Career & Job Preparation; Leadership & Research Activities

**Curriculum Courses for the Primary/Junior Program, 3.00 credits:**

In addition to the Core Courses and ~~Field Experiences~~ Practicum, students will complete: 0.5 credits:  
Curriculum and Pedagogy in Elementary Language Arts 5173

0.25 credits: Teaching Struggling Readers and Writers

0.25 credits: Supporting English Language Learners

~~0.75 credits: 0.5 credits:~~ Curriculum and Pedagogy in Elementary Mathematics 5174

0.25 credits: Curriculum and Pedagogy in Elementary Art 5171Q/S

0.25 credits: Curriculum and Pedagogy in Elementary Health & Physical Education 5172Q/S

0.25 credits: Curriculum and Pedagogy in Elementary Music 5175 Q/S

0.25 credits: Curriculum and Pedagogy in Elementary Science & Technology 5176Q/S

0.25 credits: Curriculum and Pedagogy in Elementary Social Studies 5177Q/S

~~0.5 credits: electives (choose Religious Education 5430Q/S if you wish to teach in Roman Catholic Schools)~~

~~0.5 credits: two choices from Primary/Junior Language Arts Co-curricular Electives~~

~~0.25 credits: one choice from Equity/Diversity/Social Justice Electives~~

**~~Primary/Junior French as a Second Language Program:-~~**

~~In addition to the Core Courses and Practicum, students will complete:~~

~~0.5 credits: Curriculum and Pedagogy in Elementary Language Arts 5173~~

~~0.5 credits: Curriculum and Pedagogy in Elementary Mathematics 5174~~

~~0.25 credits: Curriculum and Pedagogy in Elementary Art 5171Q/S~~

~~0.25 credits: Curriculum and Pedagogy in Elementary Health & Physical Education 5172Q/S~~

~~0.25 credits: Curriculum and Pedagogy in Elementary Music 5175 Q/S~~

~~0.25 credits: Curriculum and Pedagogy in Elementary Science & Technology 5176Q/S~~

~~0.25 credits: Curriculum and Pedagogy in Elementary Social Studies 5177Q/S~~

~~0.5 credits: French as a Second Language 5107~~

~~0.25 credits: French in the Junior Division 5108Q/S~~

~~0.25 credits: French Immersion 5414Q/S~~

~~0.25 credits: one choice from Equity/Diversity/Social Justice Electives~~

~~Optional-~~

~~0.5 credits: Religious Education 5445Q/S (required for teaching in Roman Catholic School Districts)~~

**Curriculum Courses for the Junior/Intermediate Program, 3.00 credits:**

In addition to the Core Courses and Field Experiences , students will complete:

0.5 credits: Curriculum and Pedagogy in Elementary Language Arts 5173

0.25 credits: Teaching Struggling Readers and Writers

0.25 credits: Supporting English Language Learners

~~0.75 credits: 0.5 credits:~~ Curriculum and Pedagogy in Elementary Mathematics 5174

0.25 credits: Curriculum and Pedagogy in Elementary Art 5171Q/S

0.25 credits: Curriculum and Pedagogy in Elementary Health & Physical Education 5172Q/S

0.25 credits: Curriculum and Pedagogy in Elementary Music 5175Q/S

0.25 credits: Curriculum and Pedagogy in Elementary Science & Technology 5176Q/S

0.25 credits: Curriculum and Pedagogy in Elementary Social Studies 5177Q/S

~~0.5-25 credits: teaching option: XXXX Music (in place of Music 5175 above)~~

~~or: XXXX Religious Education (in place of Art 5171, Music 5175, or Health & Physical Education 5172)~~

~~0.25 credits: one choice from Equity/Diversity/Social Justice Electives~~

~~0.50 credits: Electives (choose Religious Education 5445Q/S if you wish to teach in Roman Catholic Schools)~~



~~Optional—~~

~~0.25 credits: French in the Junior Division 5108Q/S~~

**Curriculum Courses for the Intermediate/Senior and Technological Education Programs (2.50 credits):**

In addition to the Core Courses and Field Experiences and Practicum (EDUC 5001, 1.0 credit), students will complete:

~~0.754.0~~ credits: Curriculum and Pedagogy in Secondary Schools (teaching subject 1)

~~0.754.0~~ credits: Curriculum and Pedagogy in Secondary Schools (teaching subject 2)

0.5 credits: required/recommended co-curricular courses

~~0.25 credits: one choice from Equity/Diversity/Social Justice Electives~~

~~0.75 credits: Electives (choose Religious Education 5446Q/S if you wish to teach in Roman Catholic Schools)~~

0.50 credits: Media & Information Literacy and Intercultural Dialogue

**Cohort Specialty Courses, 1.00 credit for PJ & JI Programs, 1.50 credits for IS Programs:**

In addition to Core Courses, Curriculum Courses, and Field Experiences, students will complete courses within ONE of the following cohort specialties:

**Mixed P/J, J/I, and I/S International Cohort (1.50):**

EDUC XXXX International Education: New Times, Expanded Opportunities .50 credits

EDUC XXXX Supporting Diverse Learners In Transcultural Contexts .50 credits

EDUC XXXX Teacher Learning in International Contexts: Intercultural Sensitivities, Experiential Learning, Ethical Relations; Reflections on the International Experience .50 credits

**P/J High Poverty Elementary Schools Cohort (1.00 FCE):**

EDUC XXXX Teaching in High Needs Elementary Schools: Instructional strategies, Social/cultural diversity, Leadership, Teaching ELLs, Intro to Teaching ESL, Role of the Arts

**I/S High Poverty Secondary Schools Cohort (1.50 FCE):**

EDUC XXXX Teaching in High Needs Secondary Schools: Instructional strategies, Social/cultural diversity; Leadership, Teaching ELLs, Intro to Teaching ESL, Role of the Arts

**I/S STEM Cohort (1.50 FCE):**

EDUC XXXX Teaching STEM at the Secondary School Level: Planning, Assessment, Evaluation, Student Retention, Classroom Management, Language Issues .75 credits

EDUC XXXX Teaching *About* STEM at the Secondary School Level: Selected Theories and Philosophies of Learning; Diversity, Critical Financial Literacy; History of Math, Science, and Technology; Critical analysis of Current Practices; Alternative movements. .75 credits

**P/J & ECE Cohort (1.00 FCE):**

EDUC 5118 Curriculum in the Early Years Classroom .75 credits

EDUC 5499 Supporting Early Literacy Development in the Kindergarten Classroom .25 credits

**P/J & J/I French Cohort (1.50 FCE):**

EDUC 5107 Teaching French as a Second Language in Elementary Schools .50 credits

EDUC XXXX The Common European Framework of Reference (CEFR) .50 credits

EDUC 5414 Initiation to Teaching in a French Immersion Program .50 credits

**IS French Cohort (1.50 FCE):**

EDUC XXXX Second Language Acquisition .75 credits

EDUC XXXX The Common European Framework of Reference (CFER) .50 credits

EDUC XXXX DELF/DALF Accreditation .25 credits

**Elective Courses:**

**For those wishing to teach in Roman Catholic Schools:** Teaching in Catholic Schools, .50 credits

**Additional Elective for PJ/JI French (permission required):** DELF/DALF Accreditation, .25 credits



**Schulich School of Medicine & Dentistry, Faculty of Science and Richard Ivey School of Business:  
Combined BSc (Biochemistry)/HBA Program**

**NEW CALENDAR COPY**

**COMBINED BSc(BIOCHEMISTRY)/HBA PROGRAM**

The Richard Ivey School of Business, the Schulich School of Medicine & Dentistry, and the Faculty of Science administer these combined degrees.

**Structure of the Combined Degree**

The completion of the combined degree program usually takes five academic years. Students apply for admission to the combined degree program during the first year of the HBA (HBA1), typically their third year of university. Once in HBA1, students must satisfy the following conditions to be eligible for admission to the combined program:

- be eligible for admission to Year 3 of the Bachelor of Medical Sciences (BSc) Program,
- complete the Admission Requirements for the Honors Specialization in Biochemistry (including all of the 2000-level modular courses),
- achieve a minimum average of 80% in the 10.0 courses completed prior to admission to HBA, and
- achieve a minimum weighted rounded average of 78% in HBA1

Effective September 1, 2013, students will usually complete MEDICAL SCIENCES FIRST ENTRY in the Faculty of Science (Medical Sciences 1 and 2), as well as Business Administration 2257, to be considered for admission to the Combined BSc (Biochemistry)/HBA Program. See ADMISSION TO THE BACHELOR OF MEDICAL SCIENCES (BSc) PROGRAM for course and average requirements.

In Year 3, students enroll in the first year of the HBA program (demonstrated participation in extracurricular and/or community activities, leadership, and work experience are admission criteria for the HBA, in addition to academic achievement).

For Years 4 and 5, students register in the Schulich School of Medicine & Dentistry and the Ivey School of Business in the Combined Honors BSc (Biochemistry)/HBA program.

It is recommended that students do not complete more than two years of course work prior to admission to HBA1. It is possible, however, to undertake the combined program with more than 10.0 courses prior to entry into the first year of the HBA but completion of the program may take more than five academic years. Students in this situation should contact both the BMSUE Coordinator and the Ivey School of Business.

Applications for the combined degrees must be made during HBA1 to the HBA program and the BMSUE Coordinator by the published deadlines for Ivey. The Ivey School's Advanced Entry Opportunity (AEO) students are also eligible to apply to the combined degrees. Entrance to the combined degrees is competitive and limited.

**Year 3: HBA1**

The third year of the undergraduate program in Business Administration consists of an integrated set of courses (8.25 courses) designed to give a basic understanding of the functions and the interrelationships of the major areas of management, as well as to develop problem-solving and action-planning skills.

All students will take: Business Administration 3300K, 3301K, 3302K, 3303K, 3304K, 3307K, 3311K, 3316K, 3321K, 3322K, 3323K

No substitute for any of the above courses is permitted under any circumstances.

#### **Years 4 and 5: HBA2 requirements**

HBA2 Requirements can be taken over Years 4 or 5 - no course is restricted to either year.

2.0 courses:

- International Perspective Requirement: Business Administration 4505A/B.
- Corporations and Society Perspective Requirement: At least one 0.5 course from Business Administration 4521A/B, 4522A/B, 4523A/B or other business elective as determined and approved by the HBA Program Director to satisfy this requirement.
- Applied Project Requirement: Business Administration 4569.

3.0 additional business elective courses.

#### **Years 4 and 5: BMSc requirements for the Honors Specialization in Biochemistry**

##### **Year 4**

1.5 courses: Biochemistry 3380G, 3381A and 3382A with marks of at least 70% in each.

0.5 course: Biochemistry 3390B.

##### **Year 5**

2.0 courses: Biochemistry 4410A, 4415B, 4420A, 4425B.

0.5 course from: Biochemistry 4450A, 4463G.

1.5 courses: Biochemistry 4483E (Research Project = 1.5 courses).

**Note:** the breadth requirement of a BMSc degree must be satisfied, i.e. 1.0 course from Category B must be completed prior to graduation. See GRADUATION REQUIREMENTS FOR HONORS BACHELOR DEGREES.

#### **Degree Requirements**

Students registered in the combined degrees are expected to abide by all guidelines associated with each of the individual degrees.

#### **Progression Standards**

Students in these combined degrees must meet the following progression standards:

Students enrolled in first year HBA (Year 3) must attain a minimum weighted rounded average of 78%. In Year 4, students must attain a minimum weighted average of 75% in their 4000-level HBA courses and a minimum cumulative modular average of 75% with no mark less than 60% in any modular courses required for the Honors Specialization in Biochemistry (Biochemistry 3380G, 3381A, 3382A must be completed with marks of at least 70%). In Year 5, students must attain a minimum weighted average of 75% in their 4000-level HBA courses and a minimum cumulative modular average of 70% with no mark less than 60% in any modular courses required for the Honors Specialization in Biochemistry.

#### **Failure to Meet Progression Standards**

A student who fails to meet the progression standards in any year must withdraw from the combined degrees. With permission from the appropriate HBA Program Director and/or the Assistant Dean, Basic Medical Sciences Undergraduate Education, Schulich School of Medicine & Dentistry, the student may continue in one degree, and request permission from the other School to complete the other degree at a later date.

A student who fails to meet the progression standards in any year of the combined degrees may appeal the decision in writing to either the HBA Program Director or the Assistant Dean, Basic Medical Sciences Undergraduate Education, Schulich School of Medicine & Dentistry, depending

upon the degree in which the progression standards were not met, in accordance with the University's policies on Academic Rights and Responsibilities.

### **Dean's Honor List**

Students are considered for the Dean's Honor List in the Faculty of Science in Years 1 and 2.

Students who take courses required for the Honors Specialization in Biochemistry totaling at least 2.0 courses in Year 4 and 4.0 courses in Year 5 of the combined degrees are considered for the Dean's Honor List in the Schulich School of Medicine & Dentistry in each of those years on the basis of those courses.

At the Richard Ivey School of Business, students are considered for the Dean's Honor List during their first year of HBA. Students enrolled in Years 4 and 5 of the combined degree program are considered for the Dean's Honor List in Year 5 only. Only grades obtained in 4000-level Business courses will be used in calculating averages for the purpose of determination of Dean's Honor List standing. The Dean's Honor List for HBA2 typically includes the top 25% of all of HBA2 and is determined by vote of the teaching faculty. Courses taken outside the Business School are excluded. Calculations for Ivey Scholar and Gold Medals are completed in the same way.

### **Graduation**

Upon completion of the combined program, students will receive two degrees: a BMSc (Honors) degree with an Honors Specialization in Biochemistry and a BA in Honors Business Administration.

### **Fees**

Students pay the prevailing fees as determined by the University policy on combined degrees.

### **International Exchange Programs**

Students in the Combined BMSc (Biochemistry)/HBA Program may be eligible to participate in academic exchange programs (for HBA, only). Interested students should discuss exchange options with the HBA Program Office and the BMSUE Program Office.

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<http://westerncalendar.uwo.ca/2014/pg1694.html>

### **COMBINED BMSc/HBA PROGRAM**

The Ivey Business School, the Schulich School of Medicine & Dentistry, and the Faculty of Science administer these combined degrees.

Combined BMSc (Biochemistry)/HBA Program

Combined BMSc (Interdisciplinary Medical Sciences)/HBA Program

**Schulich School of Medicine & Dentistry and Faculty of Science: Honors Specialization in Biochemistry and Pathology of Human Disease**

**NEW CALENDAR COPY:**

**HONORS SPECIALIZATION IN BIOCHEMISTRY AND PATHOLOGY OF HUMAN DISEASE**

This module leads to an Honors Bachelor of Medical Sciences (BMSc) degree. See BACHELOR OF MEDICAL SCIENCES (BMSc) PROGRAM for more information.

Students entering Year 3 or 4 of this module in September 2014 must satisfy the Admission Requirements as outlined in the 2012/13 Academic Calendar for the Honors Specialization in Clinical Biochemistry.

**Admission Requirements** (for students admitted to Year 1 in September, 2013 and onward): Admission to this Honors Specialization module occurs in Year 3 and requires admission to Year 3 of the Bachelor of Medical Sciences (BMSc) Program. Students will usually complete MEDICAL SCIENCES FIRST ENTRY (Medical Sciences 1 and 2) prior to admission to the Honors Specialization module. Enrolment in this Honors Specialization module is limited and meeting the minimum requirements does not guarantee admission.

The 1000-level half courses listed below must each be completed with a mark of at least 60%:

1.0 course: Biology 1001A\* and Biology 1002B\*  
1.0 course: Chemistry 1301A/B and 1302A/B  
0.5 course from: Calculus 1000A/B, 1500A/B, the former Calculus 1100A/B  
0.5 course from: Applied Mathematics 1201A/B, Calculus 1301A/B, 1501A/B, Mathematics 1600A/B.  
0.5 course from: Physics 1028A/B, 1301A/B, 1501A/B  
0.5 course from: Physics 1029A/B, 1302A/B, 1502A/B.

\* Biology 1201A with a mark of at least 70% may be used in place of Biology 1001A, and Biology 1202B with a mark of at least 70% may be used in place of Biology 1002B.

The 2000-level courses below must be completed with a minimum mark of 60% in each (unless otherwise indicated) prior to admission to the Honors Specialization module in Year 3. These 2000-level courses will also be used towards the Module requirements. See ADMISSION TO THE BACHELOR OF MEDICAL SCIENCES (BMSc) PROGRAM for additional average, course load requirements, etc. and MODULES OFFERED IN THE BMSc PROGRAM for specific information about Honors Specialization modules, including the Weighted Average Chart.

0.5 course: Biochemistry 2280A with a mark of at least 65%  
0.5 course: Biology 2581B  
0.5 course from: Chemistry 2213A/B with a mark of at least 65% or Chemistry 2273A  
0.5 course from: Chemistry 2223B with a mark of at least 65% or Chemistry 2283G  
1.0 course from: Biology 2290F/G, 2382B, Chemistry 2211A/B, 2214A/B, 2374A, 2384B, Microbiology and Immunology 2500A/B  
0.5 course from: Biology 2244A/B or Statistical Sciences 2244A/B

**Module**

10.5 courses:

0.5 course: Biochemistry 2280A.  
0.5 course: Biology 2581B.  
0.5 course from: Chemistry 2213A/B or 2273A.  
0.5 course from: Chemistry 2223B or 2283G.  
1.0 course from: Biology 2290F/G, 2382B, Chemistry 2211A/B, 2214A/B, 2374A, Chemistry 2384B, Microbiology and Immunology 2500A/B, or the former Chemistry 2274A, 2284B.

0.5 course from: Biology 2244A/B or Statistical Sciences 2244A/B, or the former Statistical Sciences 2122A/B.  
 1.0 course: Pathology 3240A, 3245B.  
 1.5 courses: Biochemistry 3381A, 3382A and 3380G, with marks of at least 70% in each.  
 2.0 courses: Biochemistry 3385A, 3386B, 4410A, 4420A  
 0.5 course from: Biochemistry 4450A, 4463G  
 0.5 course from: Pathology 4200A/B, 4400A/B.  
 1.5 courses from: Biochemistry 4483E or Pathology and Toxicology 4980E (Research Project = 1.5 courses).

Note: A course in Physiology (e.g. Physiology 2130 or 3120) is recommended.

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<http://www.westerncalendar.uwo.ca/2014/pg1686.html>

**WEIGHTED AVERAGE CHART**

Honors Specialization Module	Modular courses responsible for 1/3 of the Weighted Average	Modular courses responsible for 2/3 of the Weighted Average
Biochemistry and Cell Biology	3.5 courses: Biochemistry 2280A; Biology 2581B, 2382B and 2290F/G; Biology 2244A/B or Statistical Sciences 2244A/B; Chemistry 2213A/B or 2273A; Chemistry 2223B or 2283G.	3.5 courses: Biochemistry 3380G, 3381A and 3382A; Biology 3316A/B; Biology 3326F/G; Anatomy and Cell Biology 3309.
Biochemistry and Pathology of Human Disease	3.5 courses: Biochemistry 2280A; Biology 2581B; Biology 2244A/B or Statistical Sciences 2244A/B; Chemistry 2213A/B or 2273A; Chemistry 2223B or 2283G; 1.0 course from Biology 2382B, Biology 2290F/G, Chemistry 2211A/B, 2214A/B, 2374A, 2384B, Microbiology and Immunology 2500A/B.	3.5 courses: Biochemistry 3381A, 3382A, 3385A, 3386B, 3380G; Pathology 3240A, 3245B

**Schulich School of Medicine & Dentistry and Faculty of Science: Revision to the Admission and Module requirements for the Honors Specialization in Medical Biophysics (Clinical Physics Concentration)**

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<http://westerncalendar.uwo.ca/2014/pg1608.html>

**HONORS SPECIALIZATION IN MEDICAL BIOPHYSICS (CLINICAL PHYSICS CONCENTRATION)**

This module leads to an Honors Bachelor of Medical Sciences (BMSc) degree. See BACHELOR OF MEDICAL SCIENCES (BMSc) PROGRAM for more information.

Students entering Years 3 and 4 in September 2014 should see the Admission Requirements in the 2012/13 Academic Calendar and the Module requirements below.

Admission Requirements (for students admitted to Year 1 in September, 2013 and onward): Admission to this Honors Specialization module occurs in Year 3 and requires admission to Year 3 of the Bachelor of Medical Sciences (BMSc) Program. Students will usually complete MEDICAL SCIENCES FIRST ENTRY (Medical Sciences 1 and 2) prior to admission to the Honors Specialization module. Enrolment in this Honors Specialization module is limited and meeting the minimum requirements does not guarantee admission.

The 1000-level half courses listed below must each be completed with a mark of at least 60%:

1.0 course: Biology 1001A\* and Biology 1002B\*.

1.0 course: Chemistry 1301A/B and 1302A/B

0.5 course from: Calculus 1000A/B or 1500A/B, or the former Calculus 1100A/B

0.5 course from: Calculus 1301A/B or 1501A/B.

0.5 course from: Physics 1028A/B\*\*, Physics 1301A/B, 1501A/B (one of Physics 1301A/B or 1501A/B is preferred)

0.5 course from: Physics 1029A/B\*\*, Physics 1302A/B, 1502A/B (one of Physics 1302A/B or 1502A/B is preferred)

\* Biology 1201A with a mark of at least 70% may be used in place of Biology 1001A, and Biology 1202B with a mark of at least 70% may be used in place of Biology 1002B.

\*\*A minimum mark of 80% in each of Physics 1028A/B and 1029A/B is required as a prerequisite for Physics 2101A/B, 2102A/B and 2110A/B.

**The 2000-level courses below** must be completed with a minimum mark of 60% in each prior to admission to the Honors Specialization module in Year 3. **These 2000-level courses** will also be used towards the Module requirements. See ADMISSION TO THE BACHELOR OF MEDICAL SCIENCES (BMSc) PROGRAM for additional average, course load requirements, etc. and MODULES OFFERED IN THE BMSc PROGRAM for specific information about Honors Specialization modules, including the Weighted Average Chart.

0.5 course from: Calculus 2302A/B, 2502A/B.

0.5 course from: Calculus 2303A/B, 2503A/B.

**0.5 course: Mathematics 1600A/B**

1.5 courses: Physics 2101A/B, 2102A/B, 2110A/B.

**Module**

11.5 courses:

0.5 course from: Calculus 2302A/B, 2502A/B.

0.5 course from: Calculus 2303A/B, 2503A/B.

**0.5 course: Mathematics 1600A/B**

1.5 courses: Physics 2101A/B, 2102A/B, 2110A/B.

**0.5 course: Computer Science 2035A/B**

1.0 course: Physiology 2130 or 3120.

3.0 courses: Medical Biophysics 3330F/G, 3501F, 3503G, 3505F, 3507G, 3970Z.

~~2.0 courses~~ 1.0 course: Physics 3200A/B, 3300A/B, 3380A/B, 3400A/B.

~~1.0 course from: Physics at the 3000 or 4000 level.~~

0.5 course from: Physics 3380A/B, 3400A/B.

~~0.5~~ 1.0 course from: Medical Biophysics 4445A/B, 4455A/B, 4535A/B, 4467A/B, 4475A/B.

1.5 courses: Medical Biophysics 4971E.

**Note: completing Computer Science 2035A/B prior to Year 3 is recommended.**

**Schulich School of Medicine & Dentistry and Faculty of Science: Revisions to the Medical Sciences First Entry program**

**REVISED CALENDAR COPY**

<http://westerncalendar.uwo.ca/2014/pg1675.html>

**MEDICAL SCIENCES FIRST ENTRY**

**This program for students at Western interested in studying the Medical Sciences including:** Students interested in the basic medical science modules that lead to Bachelor of Medical Sciences (BMSc) degrees, should enroll in Medical Sciences First Entry (referred to as Medical Sciences 1 and 2) during their first two years at Western. The basic medical sciences include Biochemistry, Chemical Biology, Epidemiology and Biostatistics, Interdisciplinary Medical Sciences, Medical Biophysics, Medical Cell Biology, Microbiology and Immunology, Pathology, Pharmacology and Physiology.

**Students interested in Neuroscience will normally apply for admission to Medical Sciences First Entry and then submit an Intent to Register for the limited number of spaces available in the Honors Specialization in Neuroscience (BSc) in Year 2. Any student at the University satisfying the first year Admission Requirements, however, can be considered for admission to Year 2 of the Honors Specialization in Neuroscience. The Admission Requirements for the Honors Specialization in Neuroscience include 1.0 course in mathematics selected from a broader list of courses than required in Medical Sciences First Entry. Students in Medical Sciences 1 who intend to register in the Honors Specialization in Neuroscience in Year 2 may choose, therefore, 1.0 mathematics course from this broader list unless they wish to maintain the flexibility of applying to Year 3 of the BMSc Program.**

**Students interested in the modules leading to a Bachelor of Medical Sciences (BMSc) degree will normally complete Medical Sciences First Entry (Medical Sciences 1 and 2) and submit an Intent to Register during Medical Sciences 2, requesting admission to Year 3 of the BMSc Program.** Students who complete Medical Sciences First Entry are assured admission to Year 3 of the BMSc Program, provided they satisfy certain conditions in Medical Sciences 1 and 2.

**It is anticipated that the available spaces in Year 3 of the BMSc Program will not be filled by students in Medical Sciences 2 who satisfy the conditions for assured admission.** Students who complete the courses in Medical Sciences 1 and 2 without being registered in Medical Sciences First Entry, as well as students in Medical Sciences 2 who do not satisfy the conditions for assured admission to the BMSc Program, may apply for admission to the remaining spaces in Year 3. **Students in this “competitive pool” must satisfy certain conditions, including a minimum average of 75% on the 2000-level courses listed in the Admission Requirements for the modules.** See ADMISSION TO THE BACHELOR OF MEDICAL SCIENCES (BMSc) PROGRAM for more details.

**Admission to Medical Sciences First Entry in the Faculty of Science (Years 1 and 2) will require the following Ontario Grade 12 U Courses:**

- English ENG4U
- Calculus and Vectors MCV4U
- Biology SBI4U
- Chemistry SCH4U

**Note: Although Western offers first-year physics courses that do not require high-school physics as a prerequisite, it is strongly recommended that students complete Grade 12 U Physics (SPH4U).**

Medical Sciences 1 (Year 1):  
5.0 courses:



1.0 course: Biology 1001A and 1002B.

1.0 course: Chemistry 1301A/B and 1302A/B.

0.5 course from: Calculus 1000A/B or 1500A/B

0.5 course from\*: Applied Mathematics 1201A/B, Calculus 1301A/B or 1501A/B\*, Mathematics 1600A/B

1.0 course from\*\*: (Physics 1028A/B or 1301A/B or 1501A/B) and (Physics 1029A/B or 1302A/B or 1502A/B)

1.0 course from: either Category A or Category B (see Breadth Requirements for Bachelor Degrees).

**~~\*Admission to modules offered by the Department of Medical Biophysics require completion of a specific first-year course in mathematics. See the Admission Requirements for each module for more information.~~**

**~~\*\*Although it is recommended that the first-year physics requirement be completed in Year 1, students may delay the physics requirement until Year 2 (unless they wish to pursue a module in Medical Biophysics).~~**

**~~\* see Medical Biophysics modules for the specific mathematics requirement.~~**

Students seeking registration in modules leading to a BSc degree will progress to Medical Sciences 2 provided a full load of 5.0 courses is successfully completed during **the** Fall/Winter of Medical Sciences 1 and marks of 60% or higher are achieved **in the first attempt at** each of the half courses in biology, chemistry, and mathematics. Each of the first-year half courses in physics, whether taken in Medical Sciences 1 or 2, must be completed with a mark of 60% or higher **in the first attempt at each half course. Only those students admitted to Medical Sciences First Entry may register in Medical Sciences 2.**

**~~Students wishing to pursue a Bachelor of Science (BSc) degree will submit an Intent to Register during Medical Sciences 1, requesting admission to a module(s) leading to a BSc degree for Year 2.~~**

Medical Sciences 2 (Year 2):

5.0 courses **during the Fall/Winter of Medical Sciences 2**, including ALL of the 2000-level courses listed in the Admission Requirements for the module to which the student applies for **in** Year 3 (exceptions may be noted in the module). The 2000-level courses listed in the Admission Requirements will also be used towards fulfilling the Module requirements.

For details about the marks, average, etc. required for admission to Year 3 of the BSc Program, see ADMISSION TO THE BACHELOR OF MEDICAL SCIENCES (BSc) PROGRAM. See BSc PROGRAM for the modules leading to a BSc degree.

**Schulich School of Medicine & Dentistry and Faculty of Science: Revision to the Admission Requirements to the Bachelor of Medical Sciences (BMSc) Program**

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<http://westerncalendar.uwo.ca/2014/pg1674.html>

**ADMISSION TO THE BACHELOR OF MEDICAL SCIENCES (BMSc) PROGRAM**

For students admitted to the University in 2013 and onward Admission to the BMSc Program will occur in Year 3 and is limited to students who must be admitted to Year 3 of the BMSc Program in order to progress to Year 4 BMSc. Admission to Year 3 of the BMSc Program is assured for students who complete MEDICAL SCIENCES FIRST ENTRY (Medical Sciences 1 and 2) provided the following conditions are satisfied by the end of the Fall/Winter of Medical Sciences 2:

- a full load of 5.0 courses is must be successfully completed during the Fall/Winter of in Medical Sciences 2 and (note: any courses taken in the summer sessions must also be successfully completed),
- ALL of the 2000-level modular courses listed in the Admission Requirements for the module to which the student applies for Year 3 have been completed with a mark of at least 60% in each, a minimum average of 80% has been achieved on the best 3.0 of these 2000-level modular courses, and none of these 2000-level modular courses has been repeated.
- the specified minimum marks must be achieved in the first attempt at ALL of the courses listed in the Admission Requirements for the module to which the student applies in Year 3, and
- a minimum average of 80% must be achieved on ALL of the 2000-level courses listed in the Admission Requirements for the module to which the student applies. If the Admission Requirements list 3.5 or more 2000-level courses, a minimum average of 80% must be achieved on the best 3.0 of these 2000-level courses.

For more information about completing the 2000-level Admission Requirements for each Major + Major combination available in the BMSc Program, see the BMSc website.

*It is anticipated that the available spaces in Year 3 of the BMSc Program will not be filled by students in Medical Sciences 2 who satisfy the conditions for assured admission.*

Students in Medical Sciences 2 who do not satisfy the conditions for assured admission, as well as students registered in other modules/programs in Year 2, may apply for admission to the remaining spaces in Year 3 BMSc. The following conditions must be satisfied by these students in applying from the "competitive pool" prior to Year 3:

- each of the first-year half courses in biology, chemistry, math and physics listed in the Admission Requirements for the module to which the student applies for Year 3 has been completed with a mark of at least 60% (students who have completed Biology 1201A and/or Biology 1202B must have marks of 70% or higher in each of these courses),
- a full load of 5.0 courses is successfully completed in Year 2,
- at least 3.0 of the 2000-level modular courses listed in the Admission Requirements for the module to which the student applies in Year 3 have been completed with a mark of at least 60% in each, a minimum average of 75% has been achieved\* on the best 3.0 of these 2000-level modular courses, and a maximum of one of these 2000-level modular half courses has been repeated\*\*.

\*Students will be admitted to the remaining spaces in Year 3 of the BMSc Program until the enrolment capacity has been reached, beginning with students achieving the highest average on the best 3.0 of the 2000-level modular courses listed in the Admission Requirements of the module to which they apply. An average greater than 75% may be required on these 3.0 courses if the number of applicants exceeds the number of remaining spaces in Year 3 of the BMSc Program.

~~\*\*If one 2000-level modular half course has been repeated, the average on the best 3.0 of the 2000-level modular courses will be calculated using an average on the two attempts in the repeated half course.~~

- Year 2 must be successfully completed,
- the specified minimum mark must be achieved in each of the 1000-level half courses listed in the Admission Requirements for the module to which the student applies,
- ALL of the 2000-level courses listed in the Admission Requirements for the module to which the student applies must be successfully completed. If the Admission Requirements list 3.5 or more 2000-level courses, only 3.0 of these 2000-level courses must be completed prior to Year 3 (including the prerequisites, if any, for 3000-level modular courses),
- a minimum average of 75% must be achieved on ALL of the 2000-level courses listed in the Admission Requirements for the module to which the student applies. If the Admission Requirements list 3.5 or more 2000-level courses, a minimum average of 75% must be achieved on the *best 3.0* of these 2000-level courses\*, and
- a maximum of one of the 2000-level half courses listed in the Admission Requirements is a repeated course\*.

\* Information about the minimum average required for admission to Year 3 BSc is available on the BSc website. More details about the impact of repeating one of the 2000-level courses listed in the Admission Requirements, as well as more information about completing the 2000-level Admission Requirements for each Major + Major combination available in the BSc Program, is available on the BSc website.

For details about Admission to the various modules leading to a BSc degree, see MODULES OFFERED IN THE BSc PROGRAM.

**Schulich School of Medicine & Dentistry and Faculty of Science: Revisions to the “Modules offered in the BMSc Program” description**

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<http://westerncalendar.uwo.ca/2014/pg1686.html>

**MODULES OFFERED IN THE BMSc PROGRAM**

The Honors Specialization, Specialization and Double Major modules that lead to graduation with BMSc degrees are collectively referred to as the BMSc Program.

Honors Specialization Modules:

~~Within the BMSc Program, each Honors Specialization module has a maximum capacity and admission will be competitive if the number of students requesting admission is greater than the maximum capacity of the module.~~ Admission to the BMSc Program does not guarantee admission to a particular Honors Specialization module **as each of these modules has a limited capacity.**

Once admitted to Year 3 of the BMSc Program **[see ADMISSION TO THE BACHELOR OF MEDICAL SCIENCES (BMSc) PROGRAM]**, admission to each Honors Specialization module ~~in Year 3 will be~~ requires completion of ALL the courses listed in the Admission Requirements for the Honors Specialization module to which the student applies and is based on the average obtained ~~in on ALL of the 2000-level modular courses listed in the Admission Requirements for the module to which the student applies for Year 3. The 2000-level courses listed in the Admission Requirements will also be used towards fulfilling the Module requirements~~ If the Admission Requirements list 3.5 or more 2000-level courses, admission is based on the average obtained on the **best 3.0 of these 2000-level courses. A minimum mark of 60% must be achieved in any additional modular course(s) completed.** Students satisfying the conditions for assured admission to Year 3 of the BMSc Program from **MEDICAL SCIENCES FIRST ENTRY** (Medical Sciences 2) will receive priority placement in the Honors Specialization modules in Year 3. Once these students have been adjudicated into the Honors Specialization modules, students admitted to Year 3 of the BMSc Program from the competitive pool will be adjudicated into the remaining spaces in the Honors Specialization modules. ~~Students admitted to Year 3 of the BMSc Program from the competitive pool without having completed all of the 2000-level courses listed in the Admission Requirements for a particular module may be granted special permission for admission, if (i) there are spaces remaining in the module, and (ii) they have satisfied the prerequisites for the 3000-level modular courses.~~

~~A minimum Weighted Average of 75% will be required for admission to Year 4 of any Honors Specialization module. See the Weighted Average Chart for the courses/method used to calculate the Weighted Average for each Honors Specialization module. The Weighted Average will be higher than 75% for admission to Year 4 of an Honors Specialization module if the number of qualified students requesting admission is greater than the maximum capacity of the module.~~ Admission to ~~each an~~ Honors Specialization modules in Year 4 **also** requires a minimum Weighted Average of 75% and completion of ALL of the courses indicated in the Weighted Average Chart below. **Admission is not guaranteed as each of these modules has a limited capacity. Any student in Year 3 BMSc with the appropriate courses can apply for admission to Year 4 of any Honors Specialization module.**

**WEIGHTED AVERAGE CHART – NO CHANGE**

Notes:

1. Some courses in the Weighted Average Chart include a mark/average requirement in their prerequisite(s). See UNDERGRADUATE COURSE INFORMATION.
2. Information about the **maximum capacity of each Honors Specialization module and the**

minimum Weighted Average required for admission to each Honors Specialization module **is will be made available** on the BMSc website: [www.schulich.uwo.ca/bmsc](http://www.schulich.uwo.ca/bmsc)

Double Majors:

Students admitted to Year 3 of the BMSc Program **[see ADMISSION TO THE BACHELOR OF MEDICAL SCIENCES (BMSc) PROGRAM]** are eligible to register in Double Major modules provided they have completed all of the 2000-level courses listed in the Admission Requirements for both Major modules and have the prerequisites to register in the 3000-level courses required in the module (some 3000-level courses include mark/average requirements in their prerequisites). **Special permission will be considered for students admitted to Year 3 of the BMSc Program who have not completed all of the 2000-level courses listed in the Admission Requirements for both Major modules if they have the prerequisites to register in the 3000-level courses required in the module. A minimum mark of 60% must be achieved in any additional modular course(s) completed. For more information about completing the 2000-level Admission Requirements for each Major + Major combination available in the BMSc Program, see the BMSc website.**

Specialization Modules:

Students admitted to Year 3 of the BMSc Program **[see ADMISSION TO THE BACHELOR OF MEDICAL SCIENCES (BMSc) PROGRAM]** are eligible to register in Specialization modules provided they have completed all of the 2000-level courses listed in the Admission Requirements for the Specialization module and have the prerequisites to register in the 3000-level courses required in the module (some 3000-level courses include mark/average requirements in their prerequisites). **A minimum mark of 60% must be achieved in any additional modular course(s) completed. Special permission will be considered for students admitted to Year 3 of the BMSc Program who have not completed all of the 2000-level courses listed in the Admission Requirements for the Specialization if they have the prerequisites to register in the 3000-level courses required in the module. Students in the BMSc Program are encouraged to pursue either an Honors Specialization module or Double Major modules leading to Honors degrees. Specialization modules lead to 4-year BMSc (non-honors) degrees.**

**Faculty of Science: Revisions to the Physics and Astronomy modules**

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<http://www.westerncalendar.uwo.ca/2013/pg721.html>

**HONORS SPECIALIZATION IN PHYSICS**

**Admission Requirements**

Completion of first-year requirements with no failures. Students must have an average of at least 70% in ~~3.0~~ **3.5** principal courses, with no mark in these principal courses below 60%:

1.0 course from: Physics 1301A/B, 1401A/B, 1501A/B or 80% in Physics 1028A/B and Physics 1302A/B, 1402A/B, 1502A/B or 80% in Physics 1029A/B; or the former Physics 1020 or 1024 or 1026;

1.0 course from: **One of** [Calculus 1000A/B](#) or [1500A/B](#) or the former 1100A/B, and one of [Calculus 1501A/B](#) (recommended) or [Calculus 1301A/B](#) (with a mark of at least 85%); or [Applied Mathematics 1413](#);

**0.5 course: [Mathematics 1600A/B](#) or the former Linear Algebra 1600A/B;**

**1.0 additional course, at least 0.5 of which must be from the Faculty of Science**

**0.5 additional course from the Faculty of Science. It is highly recommended that students complete one of the following: Chemistry 1301A/B, Computer Science 1025A/B or 1026A/B, or Statistical Science 1024A/B;**

0.5 additional course.

~~Students must complete Mathematics 1600A/B or the former Linear Algebra 1600A/B with a minimum mark of 55% by the end of term one in year 2.~~

**Module**

~~9.0~~ **10.0 courses:**

1.0 courses: Calculus 2502A/B, 2503A/B.

1.0 courses: Applied Mathematics 2402A or the former Differential Equations 2402A, Applied Mathematics 3815A/B.

1.0 courses: Physics 2101A/B and 2102A/B.

1.0 courses: Physics 2110A/B and 2910F/G (or the former Physics 2900E).

0.5 course from: Astronomy 2201A/B, Astronomy 2801A/B, Physics 2600A/B, Physics 2810A/B, the former Physics 2700A/B, the former Physics 2800, the former Materials Science 2800.

3.0 courses: Physics 3151A/B, Physics 3200A/B, Physics 3300A/B, Physics 3400A/B, 3900F/G/Z, 3926F/G.

~~0.5~~ **1.0 course from: [Physics 4251A/B](#), [4351A/B](#).**

1.0 course from: any Physics or Astronomy course not yet taken numbered 3000 or above.

**0.5 course from: any Physics or Astronomy course not already taken at the 4000 level or above.**

Students must also complete Physics 2950Y, 3950Y, 4950Y (non-credit seminar courses).

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<http://www.westerncalendar.uwo.ca/2013/pg733.html>

**SPECIALIZATION IN PHYSICS**

**Admission Requirements**

Completion of first-year requirements including the following ~~3.0~~ **3.5** courses, each with a mark of at least 60%:

1.0 course from: Physics 1301A/B, 1401A/B, 1501A/B or 80% in Physics 1028A/B and Physics 1302A/B, 1402A/B, 1502A/B or 80% in Physics 1029A/B; or the former Physics 1020 or 1024 or 1026;

- 1.0 course from: One of Calculus 1000A/B or 1500A/B or the former 1100A/B, and one of Calculus 1501A/B (recommended) or Calculus 1301A/B (with a mark of at least 85%); or Applied Mathematics 1413;
- 0.5 course: Mathematics 1600A/B or the former Linear Algebra 1600A/B;
- 1.0 additional course, at least 0.5 of which must be from the Faculty of Science
- 0.5 additional course from the Faculty of Science. It is highly recommended that students complete one of the following: Chemistry 1301A/B, Computer Science 1025A/B or 1026A/B, or Statistical Science 1024A/B;
- 0.5 additional course.

~~Students must complete Mathematics 1600A/B or the former Linear Algebra 1600A/B with a minimum mark of 55% by the end of term one in year 2.~~

#### Module

~~9.0~~ **10.0** courses:

- 1.0 courses: Calculus 2502A/B (preferred) or Calculus 2302A/B, Calculus 2503A/B (preferred) or Calculus 2303A/B
- 1.0 courses: Applied Mathematics 2402A or the former Differential Equations 2402A, Applied Mathematics 3815A/B.
- 1.0 courses: Physics 2101A/B and 2102A/B.
- 1.0 courses: Physics 2110A/B and 2910F/G (or the former 2900E).
- 3.0 courses: Physics 3151A/B, 3200A/B, 3300A/B, 3400A/B, 3900F/G/Z, 3926F/G.
- ~~0.5~~ **1.0** course from: Physics 4251A/B, 4351A/B.
- 1.5 courses from: any Physics or Astronomy course not yet taken numbered 2100 or higher.
- 0.5 course from: any Physics or Astronomy course not already taken at the 4000 level or above.**

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<http://www.westerncalendar.uwo.ca/2013/pg722.html>

### HONORS SPECIALIZATION IN ASTROPHYSICS

#### Admission Requirements

Completion of first-year requirements with no failures. Students must have an average of at least 70% in ~~3.0~~ **3.5** principal courses, with no mark in these principal courses below 60%:

- 1.0 course from: Physics 1301A/B, 1401A/B, 1501A/B or 80% in Physics 1028A/B and Physics 1302A/B, 1402A/B, 1502A/B or 80% in Physics 1029A/B; or the former Physics 1020 or 1024 or 1026;
- 1.0 course from: One of Calculus 1000A/B or 1500A/B or the former 1100A/B and one of Calculus 1501A/B (recommended) or Calculus 1301A/B (with a mark of at least 85%); or Applied Mathematics 1413;
- 0.5 course: Mathematics 1600A/B or the former Linear Algebra 1600A/B;
- 0.5 additional course from the Faculty of Science. It is highly recommended that students complete one of the following: Chemistry 1301A/B, Computer Science 1025A/B or 1026A/B, or Statistical Science 1024A/B;
- ~~1.0~~ **0.5** additional course.

~~Students must complete Mathematics 1600A/B or the former Linear Algebra 1600A/B with a minimum mark of 55% by the end of term one in year 2.~~

#### Module

~~9.0~~ **10.0** courses:

- 2.5 courses: Astronomy 2201A/B, 2801A/B, 3302A/B, 4101A/B, 4602A/B.
- 1.0 courses: Calculus 2502A/B, 2503A/B.
- ~~0.5 course~~ **1.0 course**: Applied Mathematics 2402A or the former Differential Equations 2402A, Applied Mathematics 3815A/B.



~~4.0 courses: Physics 2101A/B, 2102A/B, 2110A/B and 2910F/G (or the former Physics 2900E),  
Physics 3151A/B, 3200A/B, 3300A/B, 3400A/B.~~  
2.0 courses: Physics 2101A/B, 2102A/B, 2110A/B and 2910F/G (or the former Physics 2900E).  
2.0 courses: Physics 3151A/B, 3200A/B, 3300A/B, and 3400A/B.  
~~4.0-0.5 course from: Applied Mathematics 2843B, Physics 3900F/G/Z, 3926F/G.~~  
0.5 course: Physics 4351A/B.  
0.5 course from: any Physics or Astronomy course not already taken at the 3000 level or above.

Students must also complete Physics 2950Y, 3950Y and 4950Y (non-credit seminar courses).

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<http://www.westerncalendar.uwo.ca/2013/pg734.html>

## SPECIALIZATION IN ASTROPHYSICS

### Admission Requirements

Completion of first-year requirements including the following ~~3.0~~ 3.5 courses, each with a mark of at least 60%:

- 1.0 course from: Physics 1301A/B, 1401A/B, 1501A/B or 80% in Physics 1028A/B and Physics 1302A/B, 1402A/B, 1502A/B or 80% in Physics 1029A/B; or the former Physics 1020 or 1024 or 1026;
- 1.0 course: One of [Calculus 1000A/B](#) or [1500A/B](#) or the former 1100A/B and one of [Calculus 1501A/B](#) (recommended) or [Calculus 1301A/B](#) (with a mark of at least 85%); or [Applied Mathematics 1413](#);
- 0.5 course: [Mathematics 1600A/B](#) or the former Linear Algebra 1600A/B;
- 0.5 additional course from the Faculty of Science. It is highly recommended that students complete one of the following: Chemistry 1301A/B, Computer Science 1025A/B or 1026A/B, or Statistical Science 1024A/B;
- ~~4.0~~ 0.5 additional course.

~~Students must complete Mathematics 1600A/B or the former Linear Algebra 1600A/B with a minimum mark of 55% by the end of term one in year 2.~~

### Module

- ~~9.0~~ 10.0 courses:
- 2.5 courses: Astronomy 2201A/B, 2801A/B, 3302A/B, 4101A/B, 4602A/B.
- 1.0 courses: Calculus 2502A/B, 2503A/B.
- ~~0.5~~ 1.0 course: Applied Mathematics 2402A or the former Differential Equations 2402A, [Applied Mathematics 3815A/B](#).
- ~~4.0 courses: Physics 2101A/B, 2102A/B, 2110A/B and 2910F/G (or the former 2900E), Physics 3151A/B, 3200A/B, 3300A/B, 3400A/B.~~
- 2.0 courses: Physics 2101A/B, 2102A/B, 2110A/B and 2910F/G (or the former Physics 2900E).
- 2.0 courses: Physics 3151A/B, 3200A/B, 3300A/B, and 3400A/B.
- ~~4.0-0.5 course from: Applied Mathematics 2843B, Physics 3900F/G/Z, 3926F/G.~~
- 0.5 course: Physics 4351A/B.
- 0.5 course from: any Physics or Astronomy course not already taken at the 3000 level or above.

Students must also complete Physics 2950Y, 3950Y, 4950Y (non-credit seminar courses).

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<http://www.westerncalendar.uwo.ca/2013/pg723.html>

## HONORS SPECIALIZATION IN MEDICAL PHYSICS

### Admission Requirements



Completion of first-year requirements including the following ~~3.0~~ **3.5** courses, each with a mark of at least 60%:

**1.0 course from:** Physics 1301A/B, 1401A/B, 1501A/B or 80% in Physics 1028A/B and Physics 1302A/B, 1402A/B, 1502A/B or 80% in Physics 1029A/B; or the former Physics 1020 or 1024 or 1026;

1.0 course: **One of** Calculus 1000A/B or 1500A/B or the former 1100A/B and one of Calculus 1501A/B (recommended) or Calculus 1301A/B (with a mark of at least 85%); or Applied Mathematics 1413;

**0.5 course:** Mathematics 1600A/B or the former Linear Algebra 1600A/B;

**0.5 additional course from the Faculty of Science.** It is highly recommended that students complete one of the following: Chemistry 1301A/B, Computer Science 1025A/B or 1026A/B, or Statistical Science 1024A/B;

~~4.0~~ **0.5** additional course, ~~at least 0.5 of which must be from the Faculty of Science~~

~~Students must complete Mathematics 1600A/B or the former Linear Algebra 1600A/B with a minimum mark of 55% by the end of term one in year 2.~~

### Module

~~9.0~~ **10.0** courses:

1.0 courses: Calculus 2502A/B, 2503A/B.

1.0 courses: Applied Mathematics 2402A (or the former Differential Equations 2402A), Applied Mathematics 3815A/B.

1.0 courses: Physics 2101A/B and 2102A/B.

1.0 courses: Physics 2110A/B and 2910F/G (or the former 2900E).

~~4.0~~ **4.5** courses: Physics 2600A/B, 3200A/B, 3300A/B, 3400A/B, 3900F/G, 3926F/G, **4351A/B**, 4999E.

0.5 course from: Physics 4662A/B or 4672A/B.

0.5 course from: Medical Biophysics 4445A/B, 4455A/B; any Physics or Astronomy or Applied Mathematics course not already taken at the 3000 level or above.

**0.5 course from: any Physics or Astronomy course not already taken at the 3000 level or above.**

Students must also complete Physics 2950Y, 3950Y, 4950Y (non-credit seminar courses).

Note: The above courses may have prerequisites that are not included in the module.

~~\*Note: Students can progress to Physics 2128A/B, 2129A/B or Medical Biophysics 2128A/B, 2129A/B only if they have taken Physics 1028A/B and 1029A/B.~~

### REVISED CALENDAR COPY

<http://www.westerncalendar.uwo.ca/2013/pg737.html>

## SPECIALIZATION IN MEDICAL PHYSICS

### Admission Requirements

Completion of first-year requirements including the following ~~3.0~~ **3.5** courses, each with a mark of at least 60%:

**1.0 course from:** Physics 1301A/B, 1401A/B, 1501A/B or 80% in Physics 1028A/B and Physics 1302A/B, 1402A/B, 1502A/B or 80% in Physics 1029A/B; or the former Physics 1020 or 1024 or 1026;

**1.0 course from:** Calculus 1000A/B, 1500A/B or the former 1100A/B, and Calculus 1501A/B (recommended) or Calculus 1301A/B (with a mark of at least 85%); or Applied Mathematics 1413;

**0.5 course:** Mathematics 1600A/B or the former Linear Algebra 1600A/B;

**0.5 additional course from the Faculty of Science.** It is highly recommended that students complete one of the following: Chemistry 1301A/B, Computer Science 1025A/B or 1026A/B, or Statistical Science 1024A/B;

~~4.0~~ 0.5 additional course, at least 0.5 of which must be from the Faculty of Science

~~Students must complete Mathematics 1600A/B or the former Linear Algebra 1600A/B with a minimum mark of 55% by the end of term one in year 2.~~

**Module**

~~9.0~~ 10.0 courses:

1.0 course: Calculus 2502A/B (preferred) or Calculus 2302A/B, Calculus 2503A/B (preferred) or Calculus 2303A/B.

1.0 courses: Applied Mathematics 2402A (or the former Differential Equations 2402A), Applied Mathematics 3815A/B.

1.0 courses: Physics 2101A/B and 2102A/B.

1.0 courses: Physics 2110A/B and 2910F/G (or the former 2900E)

~~3.0~~ 3.5 courses: Physics 2600A/B, 3200A/B, 3300A/B, 3400A/B, 3900F/G, 3926F/G, 4351A/B.

0.5 course from: Physics 4662A/B or 4672A/B.

1.5 course from: Medical Biophysics 4445A/B, 4455A/B; any Physics or Astronomy or Applied Mathematics course not already taken numbered 2100 or above.

0.5 course from: any Physics or Astronomy course not already taken at the 3000 level or above.

Students must also complete Physics 2950Y, 3950Y, 4950Y (non-credit seminar courses).

Note: The above courses may have prerequisites that are not included in the module.

~~\*Note: Students can progress to Physics 2128A/B, 2129A/B or Medical Biophysics 2128A/B, 2129A/B only if they have taken Physics 1028A/B and 1029A/B.~~

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<http://www.westerncalendar.uwo.ca/2013/pg728.html>

**MAJOR IN ASTROPHYSICS**

**Admission Requirements**

Completion of first-year requirements including the following 2.0 courses, each with a mark of at least 60%:

[Physics 1301A/B](#), [1401A/B](#), [1501A/B](#) or 80% in [Physics 1028A/B](#) and [Physics 1302A/B](#), [1402A/B](#), [1502A/B](#) or 80% in [Physics 1029A/B](#); or the former Physics 1020 or 1024 or 1026

One of [Calculus 1000A/B](#) or [1500A/B](#) or the former 1100A/B and one of [Calculus 1501A/B](#) (recommended) or [Calculus 1301A/B](#) (with a mark of at least 85%); or [Applied Mathematics 1413](#)

Students must complete [Mathematics 1600A/B](#) or the former Linear Algebra 1600A/B with a minimum mark of 55% by the end of term one in year 2.

**Module**

6.0 courses:

1.5 courses: [Astronomy 2201A/B](#), [2801A/B](#), [3302A/B](#).

1.0 course: [Calculus 2502A/B](#), [2503A/B](#).

0.5 course: [Applied Mathematics 2402A](#) or the former Differential Equations 2402A.

2.0 courses: [Physics 2101A/B](#), [2102A/B](#), [2110A/B](#) and [2910F/G](#) (or the former 2900E).

1.0 course from: ~~Applied Mathematics 2813B~~, [Applied Mathematics 2814F/G](#), [Physics 3900F/G/Z](#), [3926F/G](#), or the former [Applied Mathematics 2813A/B](#).

Students must also complete [Physics 2950Y](#), [3950Y](#) (non-credit seminar courses).

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<http://www.westerncalendar.uwo.ca/2013/pg1471.html>

**MINOR IN ADVANCED PHYSICS**

**Admission Requirements**

Available only to those students who will complete an Honors Specialization or Specialization in Physics, Astrophysics, or Medical Physics.

**Module**

4.0 courses:

**1.0 course:** [Physics 4999E](#).

**1.0 course** from: Group A: Courses Involving Applied and Theoretical Physics  
Any Physics or Astronomy course numbered 3000 or higher.

[Applied Mathematics 3129A/B](#), [4129A/B](#), [4151A/B](#), [4253B](#), [4353B](#).

**1.0 course** from: Group B: Courses Involving Applied Mathematics and Computer Science

[Applied Mathematics 2811B](#), [2814F/G](#), [3811A/B](#), [3813A/B](#), [4613A/B](#), [4615F/G](#), [4617A/B](#), [4815A/B](#),  
[4817A/B](#), [4819A/B](#), [Computer Science 2101A/B](#), [3101A/B](#), [3320A/B](#), [or the former Applied Mathematics 2813B](#).

**1.0 course** from: Group A or Group B

If any of these courses are taken as part of an Honors Specialization or Specialization in Physics, Astrophysics, or Medical Physics, alternative courses must be selected from Group A.

**Note:** This module, together with an Honors Specialization in Physics, Astrophysics, or Medical Physics is recommended for students considering graduate studies in one of these fields.

**Note:** The above courses may have prerequisites that are not included in the module.

**Brescia University College, Division of Food and Nutritional Sciences: Diploma in Nutrition**

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<http://www.westerncalendar.uwo.ca/2014/pg279.html>

<http://www.westerncalendar.uwo.ca/2014/pg1458.html>

**DIPLOMA IN NUTRITION**

**Description**

This post-baccalaureate pre-master's Diploma in Nutrition will be offered by Brescia University College through the Division of Food and Nutritional Sciences. It is an 8- to 12-month bridging program or pathway (depending on one's qualifications) to the master's program, Master of Science in Foods and Nutrition (Thesis Stream), for international/non-traditional students who have studied food science, home economics or nutrition and have worked or volunteered in a nutrition-related field in their countries. Skills derived from these work or volunteer activities will be considered.

The post-baccalaureate pre-master's Diploma in Nutrition will allow international students to complete the prerequisite science and/or nutrition courses via an intense curriculum of at least five [5] foods and nutrition and writing courses each semester. If necessary, a 4-month intensive writing or ESL preparation will be required. Completion of the program is a guaranteed pathway to the master's program, MScFN (Thesis Stream). The curriculum is designed to assist them deal with the graduate courses by providing a Canadian context of the food and nutrition environment. The writing and/or ESL training will help them with the thesis preparation and writing.

**Admission Requirements**

The post-baccalaureate pre-master's Diploma in Nutrition is ideal for motivated students who have minimal or limited background in the required science and/or nutrition foundation to enter the master's program, MScFN (Thesis Stream). This assessment is required to determine specific courses that need to be taken by the student. Applicants must have completed a bachelor's degree or higher in foods science, home economics, or nutrition to be eligible to apply to this program. In addition, applicants whose first language is not English must furnish evidence of their proficiency in the use of the English language:

- TOEFL Internet-based (iBT), Paper-based (PBT), and the TWE  
The minimum score required on the TOEFL is 580 on the paper-based test with a 5 on the TWE; and iBT score of 90 with a minimum 25 on writing and speaking.  
[Western's TOEFL ID is 0984].
- MELAB  
A minimum overall score of 85 is required with no score less than 80 per section.
- IELTS International  
A minimum overall band score of 7.0 is required with no part less than 6.5.
- CanTEST  
A minimum overall score of 4.0 is required with no part less than 4.0.
- CAEL  
A minimum overall score of 70 is required with 60 per band and 70 on writing and speaking.

This is a competitive program with limited enrolment. Meeting the minimum admission criteria does not guarantee admission. Subsequent admission to the master's program, MScFN (Thesis Stream), requires at least a 75% average upon completion of the post-baccalaureate pre-master's Diploma in Nutrition and a recommendation from the Director of the Graduate Program in Foods and Nutrition to the School of Graduate and Postdoctoral Studies.

**Program Requirements**

The Diploma program will be comprised of the following required 4.0 FCE discipline courses:

- \_\_\_ Foods and Nutrition 3344A Diet and Nutritional Assessment
- \_\_\_ Foods and Nutrition 3351A Clinical Nutrition I
- \_\_\_ Foods and Nutrition 4453A Clinical Nutrition II
- \_\_\_ Human Ecology 4411F Research Methodology
- \_\_\_ Foods and Nutrition 3348B Food Production Management I
- \_\_\_ Foods and Nutrition 3361B Fundamentals of Community Nutrition
- \_\_\_ Human Ecology 2266G Communications
- \_\_\_ Sociology 2205B Sociology Statistics

In addition, the student will be required to take 1.0 FCE from the following writing courses if they have met the English proficiency mentioned in the admission requirements:

- \_\_\_ Writing 0012F/G Introduction to Advanced Academic Writing in English for Multilingual Students
- \_\_\_ Writing 1020F/G Writing: Introduction to University Essay Writing
- \_\_\_ Writing 2101F/G Introduction to Expository Writing
- \_\_\_ Writing 2023F/G Advanced Academic Writing in English for Multilingual Students

If a course in the above listing of required discipline courses is waived by the Division on the basis of prior course work, another FN/HE course will have to be taken (in consultation with the Division Chair), so that the total number of course credits is 4.0 FCE. Any of the following courses may be chosen as a substitute:

- \_\_\_ Foods and Nutrition 2232 Introduction to Food Science
- \_\_\_ Foods and Nutrition 2241B Nutrition Throughout the Human Lifecycle
- \_\_\_ Foods and Nutrition 3320A Global Policies and Food Safety
- \_\_\_ Foods and Nutrition 3342A Advanced Food Science
- \_\_\_ Foods and Nutrition 3364B Nutrition, Aging and Health
- \_\_\_ Foods and Nutrition 4422B Financial management and Control for Foods and Nutrition
- \_\_\_ Foods and Nutrition 4449A Food Production Management II
- \_\_\_ Foods and Nutrition 4455B Clinical Nutrition III
- \_\_\_ Foods and Nutrition 4462A Selected Topics in Community Nutrition
- \_\_\_ Foods and Nutrition 4471B Nutrition and metabolic processes
- \_\_\_ Human Ecology 2222F Professional Perspectives
- \_\_\_ Human Ecology 3349B Principles of Management

If determined by the Division to be necessary, students will be required to undergo four (4) months of advanced level ESL training in the summer months.

The application deadline will be January 31. Applicants who must apply for admission to the University are encouraged to begin the application process as soon as possible. Online application forms will be typically available in early November. Depending on their English proficiency, students may start their ESL training in May and take their courses from September to April.

**King's University College, Management and Organizational Studies: Specialization in Accounting**

**NEW CALENDAR COPY**

<http://www.westerncalendar.uwo.ca/2014/pg1260.html>

**SPECIALIZATION IN ACCOUNTING**

**Module**

**5.0 first-year courses:**

**1.0 course:** Business Administration 1220E.

**1.0 course** from: Mathematics 1225A/B, 1228A/B, 1229A/B; Calculus 1000A/B, or the former 1100A/B, 1301A/B, 1501A/B; Mathematics 1600A/B or the former Linear Algebra 1600A/B; Statistical Sciences 1024A/B; or the former Mathematics 030\*.

**1.0 course:** Economics 1021A/B and 1022A/B, or the former Economics 1020.

**2.0 courses:** numbered 1000-1999\*\*

**Notes:**

\*Students wishing to transfer to a BMOS Honors degree must have the proper Mathematics prerequisites for advanced economics courses i.e., 0.5 from Calculus 1000A/B, or the former 1100A/B or Mathematics 1225A/B and 0.5 from Calculus 1301A/B, 1501A/B, Mathematics 1600A/B or 1229A/B.

\*\*MOS 1033A/B is strongly recommended.

**10.5 senior courses:**

**1.0 course** normally taken in second year: Business Administration 2257.

**0.5 course** normally taken in second year from: MOS 2275A/B.

**1.0 course** normally taken in second year from: Economics 2122A/B or 2222A/B and 2123A/B or 2223A/B; or Statistical Sciences 2035.

**0.5 course** from: MOS 2155A/B or 2181A/B.

**0.5 course** from: MOS 2285A/B.

**1.0 course** normally taken in third year from: 3360A/B and 3361A/B (MOS 3360A/B and 3361A/B are prerequisites for the former MOS 4465A/B and 4466A/B).

**1.0 course** normally taken in third year from: MOS 3370A/B and 3371A/B.

**1.0 course** normally taken in third year: MOS 3310A/B, 3320A/B.

**0.5 course** from: MOS 3401F/G, 3390A/B-3392A/B, 4422F/G, Philosophy 2074F/G, 2075F/G, 2700F/G.

**1.0 course** normally taken in fourth year: MOS 3330A/B, MOS 4410A/B.

**0.5 course** normally taken in fourth year: MOS 4465A/B

**1.0 course** normally taken in fourth year: MOS 3363A/B, 4462A/B, 4463A/B, 4464A/B, 4466A/B.

**1.0 course** normally taken in fourth year: MOS 3362A/B, 3390A/B-3392A/B, or MOS 3000-level or above.

**Notes:**

1. Selected Topics courses for the Specialization must be approved for relevancy prior to enrolment.

2. All BMOS students must complete 1.0 designated essay course at the senior level, and 1.0 Category B course.

(King's)

## **Revisions to the Breadth Requirements for Graduation Policy**

### **REVISED CALENDAR COPY**

The current policy is posted on the web here:

[http://www.uwo.ca/univsec/pdf/academic\\_policies/registration\\_progression\\_grad/registration\\_progression.pdf](http://www.uwo.ca/univsec/pdf/academic_policies/registration_progression_grad/registration_progression.pdf)

## **BREADTH REQUIREMENTS FOR BACHELOR DEGREES**

*The first part of the policy is unchanged*

### **Breadth Requirements for Graduation**

(S.11-109, S.13-40, S.13-82b, S.13-94b)

At least 1.0 course must be chosen from **each of the three categories** (A, B, and C) shown below. Any outstanding breadth requirement not completed in first year must be completed prior to graduation.

Note: Not all subjects listed below offer first-year courses.

### **CATEGORY A**

#### *Social Science*

Anthropology, Economics, First Nations Studies, Geography, History, International Relations, Management and Organizational Studies (formerly Administrative and Commercial Studies), Political Science, Psychology, Sociology, Women's Studies

#### *Interdisciplinary and Multidisciplinary \**

American Studies, Childhood and Social Institutions (formerly Childhood and Family Relations), Dance, Education, Family Studies, Health Sciences, Interdisciplinary Studies, Centre for Global Studies (formerly International and Comparative Studies; Modern Eastern Civilizations), Kinesiology, Linguistics, Media and the Public Interest, Media, Information and Technoculture, Nursing, Rehabilitation Sciences, Social Justice and Peace Studies

#### *Various*

Business Administration, Foods and Nutrition, Human Ecology, Law, Music, Social Work, Thanatology

### **CATEGORY B**

#### *Arts and Humanities*

Classical Studies, Comparative Literature and Culture, Digital Humanities, **English**, Film Studies, **French Studies**, Italian Studies, Medieval Studies, Philosophy, Religious Studies, Speech, Theological Studies, Visual Arts History, Visual Arts Studio, Women's Studies, Writing\*\*.

#### *Languages*

Arabic, Chinese, **English**, French, German, Greek, Hebrew, Hindi, Italian, Japanese, Korean, Latin, Persian, Polish, Portuguese, Russian, Spanish

### **CATEGORY C**

#### *Engineering*

Chemical and Biochemical Engineering, Civil and Environmental Engineering, Electrical and Computer Engineering, Engineering Science, Green Process Engineering, Mechanical and Materials Engineering, Software Engineering

#### *Medical Science*

Anatomy and Cell Biology, Biochemistry, Biostatistics, Chemical Biology, Epidemiology, Epidemiology and Biostatistics, Medical Biophysics, Medical Sciences, Microbiology and Immunology, Neuroscience, Pathology, Pathology and Toxicology, Pharmacology and Toxicology, Physiology

#### *Science*

Actuarial Science, Applied Mathematics, Astronomy, Biology, Calculus, Chemistry, Computer Science, Differential Equations, Earth Sciences, Environmental Science, History of Science, Linear Algebra, Mathematics, Physics, Planetary Science, Statistical Sciences

*Various*  
Communication Sciences and Disorders

**Notes:**

~~\* Students who completed Childhood and Family Relations, International and Comparative Studies, and Linguistics prior to September 1, 2007 are permitted to graduate with these courses recognized as Category B.~~

\*\* Writing 0002F/G courses is restricted to English as a Second Language students (e.g., Writing 0001F/G, 0002F/G, 1020F/G, 1022F/G) and does not qualify as a Category B courses.

*The rest of the policy is unchanged*



**2014-15 HBA Sessional Dates**

**\*Please note that dates are subject to change.**

<b>2014</b>	
August 25 – September 8	Add/Drop (A/B, Q,R,S,T (Ivey Term 5, 6, 7 and 8) courses)
August 29	HBA1 Begins
September 3	HBA2 Classes Begin
September 19	Last Day to drop Q(Ivey Term 5) course without academic penalty
October 13	Thanksgiving
October 20	Q (Ivey Term 5) courses End
October 21-24 17-22	HBA2 Exam Week
October 23-24	Fall Convocation
October 27	R (Ivey) courses Begin
October 25-29 27-31	Add/Drop (B, R,S,T (Ivey Term 6, 7 and 8) courses)
October 30-31	Fall Study Break
November 7	Last Day to drop R (Ivey Term 6) course without academic penalty
December-2 4	HBA2 Classes End
December 3-9 5-12	HBA2 Exams
December 12 13	HBA1 End of Term

<b>2015</b>	
January 5	HBA1 and HBA 2 Classes Resume
January 5-9	Add/Drop (B, S,T (Ivey Term 7 and 8) courses)
January 16	Last Day to drop S(Ivey Term 7) course without academic penalty
February 5	S (Ivey Term 7) courses End
February 9-13	HBA2 Exam Week
February 16-20	Reading Week
February 23	T (Ivey Term 8) courses Begin
February 23-27	Add/Drop (T(Ivey Term 8) courses)
March 6	Last Day to drop T (Ivey Term 8)course without academic penalty
March 26	HBA2 Classes End
April 10 17	HBA1 End of Term
March 27 – April 2	HBA2 Exams
April 3	Good Friday
June 16	Spring Convocation

**Final Assessment Report**  
Submitted by SUPR-U to SCAPA

<b>Program:</b>	<b>Huron: East Asia Studies Major and Minor; Chinese and Japanese Minors</b>
Degree Offered:	B.A.
Date of Site Visit:	<b>February 6-7, 2014</b>
Evaluation:	<b><i>Good Quality</i></b>

**Summary**

The review team of Dr. Ying Wang from Mount Holyoke College and Dr. Tom Rohlich from Smith College approached the review by studying first the array of Minors offered in Chinese, China Studies, Japanese, and Japan Studies and the Minor in East Asia Studies in addition to their consideration of the Major in East Asia Studies, on the premise that the component parts of these existing Minors are also components of the single existing Major and contributing factors to any future development of the module. Given her specialized background and expertise, Dr Wang approached the modules with a particular interest in the Chinese components while Dr Rohlich tackled the Japanese components. Both worked on the recommendations for the East Asia Studies modules. Their recommendations on the existing Major in East Asia Studies are essentially congruent while they present divergent advice for the future development into Majors of the respective existing Minors in Chinese, China Studies, Japanese, and Japan Studies.(Any future development would be subject to the rigours and processes outlined in Western's IQAP.)

The delivery of the language and culture courses in Chinese and Japanese were judged to be aligned with Huron's mission and strategic directions. Dr Rohlich wrote of the commitment of the program "to educating each student 'to be a critical thinker, able to interpret and evaluate the world from a multiplicity of perspectives....'" Both reviewers were enthusiastic about the pedagogical approaches in Chinese and Japanese, commenting on the "orderly sequence," the emphasis on discovery-based learning, and the intimate learning environments available to students. They reported that the Minor programs in Chinese and Japanese are in line with trends in North American education in these areas, noting that Chinese courses are pulled in a variety of ways as they attempt to cater to a variety of clienteles that ranges from beginner to heritage speaker. The reviewers made some detailed suggestions regarding delivery of specific language courses.

The reviewers noted that while the current staffing arrangement of tenured faculty and program sessional positions (with the latter chiefly delivering language courses) serves the Minors in Japanese and Chinese and the interdisciplinary Major in East Asia Studies adequately, any development into Majors specifically in either language would require additional tenure lines. The advancement of the existing Major in East Asia Studies, they noted, would be served by the creation of a tenure line in each of Chinese (with a specialty in modern Chinese literature/cinema and an ability to teach language courses) and Japanese (with a specialty in Japanese culture).

Salient areas recommended for attention are identified below.

<b>Recommendations for implementation:</b>	<b>Responsibility</b>
Create a multi-disciplinary steering committee for East Asia Studies	Dean
Study options for transforming current East Asia Major to a two-stream model (Japanese Concentration and Chinese Concentration) and review balance of language/culture courses required	Program and Educational Policy Committee
Weigh alternative models for staffing in Chinese and Japanese areas to enhance range of offerings, including via Program Sessional and tenure-track appointments	Committee of Chairs, Dean, principal
Pilot offering 4 hours of language instruction weekly in one-hour increments rather than 2+2	Programs and Educational Policy Committee
Revise 4000-level offerings with a view to increasing variety and availability	Programs and Educational Policy Committee

**Final Assessment Report**  
Submitted by SUPR-U to SCAPA

<b>Program:</b>	<b>Huron: French modules (Honors Specialization, Specialization, Majors)</b>
Degree Offered:	B.A.
Date of Site Visit:	<b>February 11-12, 2014</b>
Evaluation:	<b><i>Good Quality</i></b>

**Summary**

While on campus, the reviewers, Dr. Sylvie Berard (Trent) and Dr. Janice Best (Acadia) met with full-time and part-time instructors at Huron, with students at Huron, with the librarian, manager of co-curricular learning, and administrators at Huron, and with the Undergraduate Chair, and the Department Chair, Department of French Studies, in the Faculty of Arts and Humanities. The reviewers noted the excellent alignment of the programs' objectives with the mission of Huron and the academic plan of Huron's Faculty of Arts and Social Science, singling out the special opportunities presented by small class size, including learner-centred approaches with opportunities for peer learning. They noted that the programs are also closely aligned with the corresponding programs on the main campus. The department's self-assessment documented was commended for its mapping of learning outcomes to the Undergraduate Degree Level Expectations, at both the program and the course level. The reviewers did note, however, that a very broad array of modules is on offer. Curriculum was judged to be au courant, although some suggestions were made for revision at the 3000 and 4000-levels and for introducing literature earlier. Teaching resources were judged to be adequate, recognizing the availability of some courses at the other three campuses, although the reviewers did comment on the sense of burden and academic loneliness that can accrue in a small department. They also offered recommendations for offering more literature courses at Huron and for library acquisitions and new directions in exchange programs.

The department accepted all ten of the reviewers' recommendations and has formulated specific action plans.

<b>Recommendations for implementation:</b>	<b>Responsibility</b>
Revise program structure to emphasize culture and literature in 3 and 4000 courses, and de-emphasize grammar	Department and Educational Policy Committee
Revise syllabus of introduction to literature course to concentrate on genre rather than historical period; and consider creating more courses unique to Huron	Department and Educational Policy Committee
Reduce number of modules in French on offer at Huron	Department and Educational Policy Committee
Weigh alternative models for enhancing staffing, including: creation of lecteur/lectrice position; additional tenure-track position	Department, Committee of Chairs, Dean, and Principal
Develop further outreach, including study-abroad collaboration, links with local Francophone communities, combined BA/HBA degree	Department and Educational Policy Committee

**Editorial changes to the descriptions of the Scholar's Electives programs offered at the Affiliated University Colleges**

REVISED CALENDAR COPY

<http://www.westerncalendar.uwo.ca/2014/pg1449.html>

**1. Scholar's Electives Program at Brescia University College**

The Scholar's Electives Program allows students who have demonstrated outstanding academic potential to apply to Brescia University College for admission to both a primary, discipline-based program of study and the Scholar's Electives ~~module~~ **Program**. The program is designed to provide an intellectually-stimulating learning environment for students who truly wish to undertake an interdisciplinary and/or research experience. Its goals are to foster a community of scholars who have diverse disciplinary and research interests, but a general intellectual curiosity about most disciplines. The program is intended primarily for students who are interested in completing a four-year honors degree before moving on to their chosen careers.

Scholar's Electives students will enroll in a Scholar's Electives ~~module~~ **Program** in addition to their Honors degree courses/modules. The Scholar's Electives courses will bring students into contact with faculty members from different disciplines and will expose students to significant ideas from those different disciplines. Students will be admitted to the Scholar's Electives ~~module~~ **Program** by the Academic Dean and, where appropriate, in consultation with the Dean(s) of the constituent University faculties involved in the proposed course of study.

While the primary benefit of enrolling in Scholar's Electives is the flexibility to achieve personal and unique academic goals, there are a number of ancillary benefits associated with the program. Scholar's Electives students will have the benefit of being paired with a faculty member. The faculty member will serve as the student's primary academic advisor, working in collaboration with the Associate Academic Advisor at Brescia University College. The faculty advisor will hold regular meetings with the student to monitor the student's progress and provide advice if necessary. Students also have an opportunity to network and build a community with other high-achieving scholars through the Scholar's Association at Brescia University College, to develop community-based leadership skills through experiential learning, to participate in extra-curricular activities through planned activities and events by the Office of the Academic Dean and Student Services, and to explore volunteer opportunities through Brescia's volunteer centre, Beyond Brescia.

**Admission Requirements**

Normally, students apply for admission to the Scholar's Electives program prior to registration in the first year of a BA degree program. Full-time students who qualify for membership in Western Scholars by having at least a 90% admission average are invited to apply. Selection will be determined by the Academic Dean on the basis of grades, admission subjects and personal accomplishments, such as demonstrated achievements beyond the classroom and community contributions, detailed on a supplementary admissions form. After the first year, students whose achievements are comparable to the program's admission and progression requirements may apply to the Academic Dean for late admission.

**Program Requirements**

The Scholar's Electives program includes an honors degree, with an Honors Specialization or Double Major, as well as the Scholar's Electives ~~module~~ **Program**. The Honors Specialization or the Major modules may be standard modules offered by Departments, or theme areas designed by the student with the support of Faculty mentors and approved by the Academic Dean.

**Brescia University College Mission Statement**

Brescia University College is a student-centered community that educates women to think critically and to participate actively in society. A Catholic college in the Ursuline tradition, we prepare our graduates to respond with wisdom, justice and compassion to a changing world.

#### **Module-Scholar's Electives Program**

3.0 courses:

- 1.0 course:** [Philosophy 1000E](#): Introduction to Philosophy & Critical Thinking.
- 0.5 course:** [Scholars Electives 2275F/G](#): Experiential Learning for Leadership.
- 0.5 course:** [Scholars Electives 3375Y](#): Sophia as Wisdom.
- 0.5 course:** [Scholars Electives 3300Y](#): Directed Readings.
- 0.5 course:** [Scholars Electives 4401Y](#): Fourth Year Senior Research Project.

Students must be registered in a minimum of 5.0 courses during each Fall/Winter session. Students may take additional courses in the summer. With permission of the Department and the Academic Dean, students with an appropriate background may be permitted to include senior courses in their first-year program. After first year, all courses taken by Scholar's Electives students must be numbered 2000 and above. (One exception may be permitted with the Academic Dean's approval.) Regulations governing the New Academic Choices, including the breadth and essay requirements, apply to Scholar's Electives students.

#### **Progression Requirements**

To maintain their registration in the Scholar's Electives program, students enroll in a minimum of 5.0 courses during the Fall/Winter session and must achieve a sessional average of at least 80%, with no mark less than 65%. On any additional courses taken during the summer session, students must maintain a sessional average of at least 70%, with no mark less than 65%.

#### **Graduation Requirements**

Completion of an Honors Bachelor of Arts degree, including the Scholar's Electives ~~module~~ **Program**, with a minimum cumulative average of 80%, with no mark less than 65%. The diploma awarded to students will record both the status of Scholar's Electives and the Specialization and/or Majors studied, as recommended by the Academic Dean.

REVISED CALENDAR COPY

<http://www.westerncalendar.uwo.ca/2014/pg1798.html>

## **2. Scholar's Electives Program at Huron University College**

The Scholar's Electives program allows students who have demonstrated outstanding academic potential to apply to Huron University College for admission to both a primary, discipline-based program of study and the Scholar's Electives ~~module~~ **Program**. The program is designed to provide a stimulating learning environment for students who wish to undertake an interdisciplinary experience. The program is intended primarily for students who are interested in completing a four-year Honors degree before moving on to their chosen careers.

Scholar's Electives students will enroll in a Scholar's Electives ~~module~~ **Program** in addition to their Honors degree courses. The Scholar's Electives courses will bring students into contact with faculty members from different disciplines and will expose students to significant ideas from those different disciplines. Students will be admitted to the Scholar's Electives ~~module~~ **Program** by the Dean of Arts and Social Science and, where appropriate, in consultation with the Dean(s) of the constituent university faculties involved in the proposed course of study.

While the primary benefit of enrolling in Scholar's Electives is the flexibility to achieve personal and unique academic goals, there are a number of ancillary benefits associated with the program. Scholar's electives students will be paired with a Faculty mentor. The mentor will serve as the student's primary academic advisor, working in collaboration with the Senior Academic

Counsellor from Huron University College. The mentor will hold regular meetings with the student to monitor the student's progress and provide advice if necessary. Students will have the opportunity to network and build a community with other high-achieving scholars through the Scholar's Group at Huron University College, to participate in extracurricular activities, and to explore volunteer and service learning placements and international initiatives facilitated through Huron University College and its Faculty of Arts and Social Science.

### **Admission Requirements**

Normally, students apply for admission to the Scholar's Electives ~~module~~ **Program** prior to registration in the first year of a BA degree program. Full-time students who qualify for membership in Western Scholars by having at least a 90% admission average are invited to apply. Selection will be determined by the Dean of Arts and Social Science on the basis of grades, admission subjects and personal accomplishments, such as demonstrated achievements beyond the classroom and community contributions, detailed on a supplementary admissions form. After the first year, students whose achievements are comparable to the program's admission and progression requirements may apply to the Dean for late admission.

### **Program Requirements**

The Scholar's Electives program includes an honors degree, with either an Honors Specialization **module** or double Major **modules**, as well as the Scholar's Electives ~~module~~ **Program**. The Honors Specialization or the Major modules may be standard modules offered by departments, or theme areas designed by the student with the support of Faculty mentors and approved by the Dean.

### **The Scholar's Electives Module ~~Program~~ Program**

3.0 courses:

**1.0 course:** [Interdisciplinary Studies 1021E](#): Inquiry, Interpretation, Rhetoric, normally taken in first year.

**1.0 course:** [Interdisciplinary Studies 2200E](#): The Origins of Ideas, normally taken in second or third year.

**0.5 course:** [Scholars Electives 3300Y](#): Directed Readings.

**0.5 course:** [Scholars Electives 4401Y](#): Fourth Year Research Project.

Students must be registered in a minimum of 5.0 courses during each Fall/Winter session. Students may take additional courses in the summer. With permission of the Department and the Dean, students with an appropriate background may be permitted to include senior courses in their first-year program. After first year, all courses taken by Scholar's Electives students must be numbered 2000 and above. (One exception may be permitted with the Dean's approval.) Regulations governing the New Academic Choices, including the breadth and essay requirements, apply to Scholar's Electives students.

### **Progression and Graduation Requirements**

To maintain their registration in the Scholar's Electives program, students enroll in a minimum of 5.0 courses during the Fall/Winter session and must achieve a sessional average of at least 80% with no mark less than 65%. On any additional courses taken during the summer session, students must maintain a sessional average of at least 70%, with no mark less than 65%.

Graduation requirements: Completion of an Honors Bachelor of Arts degree, including the Scholar's Electives ~~module~~ **Program**, with a minimum cumulative average of 80% with no mark less than 65%. The diploma awarded to students will record both the status of Scholar's Electives and the Specialization and/or Majors studied, as recommended by the Dean.

NEW CALENDAR COPY

3. **King's University College: King's Scholar Program and King's Scholar Program Theme in Western Thought and Civilization**

**King's Scholar Program**

The King's Scholar program allows students who have demonstrated outstanding academic potential to apply to King's University College for admission to both a primary, discipline-based program of study and the King's Scholar program in a particular theme. The program is based on intensive interdisciplinary study in an intimate setting in which a distinct methodology is sustained over several years' work, in which students have a close working relationship with faculty members, and where an Independent Research Project encourages students to tailor their scholarly research to reflect the questions and problems provoked by the seminars and field trips. The King's Scholar program is intended primarily for high achieving students who are interested in completing a four-year Honors degree before moving on to further study or their chosen careers. King's Scholar students will enroll in a themed King's Scholar program. After completing first year, King's Scholar students will each year take one King's Scholar course in the theme area for the remaining three years of study.

King's Scholar students will enroll in the King's Scholar program in addition to their Honors degree courses. The King's Scholar theme courses will bring students into contact with faculty members from different disciplines and will expose students to significant ideas and methodologies from those different disciplines. Students will be admitted to the King's Scholar program by the Academic Dean according to the Admission Requirements.

**Admission Requirements:**

Normally, students apply for admission to the King's Scholar program prior to registration in the first year of a BA degree program. Full-time students who qualify for membership in the King's Scholar program by having at least an 85% admission average are invited to apply. Selection will be determined by the Academic Dean on the basis of grades, admission subjects and personal accomplishments, such as demonstrated achievements beyond the classroom and community contributions.

After the first year, students wishing to join the program, who have completed first year requirements, and whose achievements are comparable to the program's admission and progression requirements may apply to the Academic Dean for admission.

**Progression and Graduation Requirements**

To maintain their registration in the King's Scholar program, students enroll in a minimum of 5.0 courses during the Fall/Winter session and must achieve a sessional average of at least 80% with no mark less than 65%. On any additional courses taken during the summer session, students must maintain a sessional average of at least 70%, with no mark less than 65%.

Students who do not meet the 80% sessional average progression requirement may be permitted to remain in the King's Scholar program theme courses on a competitive basis by applying to the Department. If admitted, such students may count the King's Scholar courses towards their standard discipline-based Honors Specialization and/or Major modules with permission of the Department. Such students, however, will not be eligible for the King's Scholar designation.

**Graduation Requirements:**

Completion of an Honors Bachelor of Arts degree, including the King's Scholar program, with a minimum cumulative average of 80% with no mark less than 65%. The diploma awarded to students will record both the status of King's Scholar and the Honors Specialization and/or Majors studied, as recommended by the Dean.

### **King's Scholar Program: Theme in Western Thought and Civilization**

The King's Scholar Program in Western Thought and Civilization (WTC) adopts an integrated and interdisciplinary approach to Western thought and civilization by engaging students in critical and experiential study of the relationship of literary, artistic and intellectual expressions to the material conditions, structures and processes of historical change. Students will participate in experiential learning that engages them with musical compositions, works of art, virtual scientific experiments and extracurricular activities, including local and, where feasible, international initiatives facilitated through King's University College.

The King's Scholar program in WTC is course-based but with a strong independent research concentration. The small, intensive, seminar based classes retain Western's Scholar's Electives focus on an individual research experience by participating in the unique pedagogy that defines the King's Scholar. The 20-student cap on each of the King's Scholar courses ensures that students participate in learning skills exercises and develop independent thought. As well, the careful preparation and submission of an Independent Research Project (IRP) is at the core of each course, and in the final year (4901F/G/Z), this IRP (in the form of a conference paper) will be presented at a one-day conference for the public. Drawing directly from the classic and scholastic traditions favouring rigorous analysis and dialectical reasoning, the King's Scholar program is informed by a pedagogy – *Eloquentia Perfecta* - cultivating practical types of training, including public speaking, logical argument and critical composition, and thinking in an interdisciplinary model. In this manner, students acquire essential, practical, and applied knowledge and skills to contribute to problem-solving and ethical decision-making in a globally conceived world.

#### **Program Requirements:**

2.0 courses after first year.

1.0 course: Western Thought and Civilization 2901E: Medieval to Scientific Revolution

0.5 course: Western Thought and Civilization 3901F/G/Z: Enlightenment to Fin de Siècle

0.5 course: Western Thought and Civilization 4901F/G/Z: 20<sup>th</sup> Century to Contemporary

Students must be registered in a minimum of 5.0 courses during each Fall/Winter session. Students may take additional courses in the summer. With permission of the Department and the Dean, students with an appropriate background may be permitted to include senior courses in their first-year program. After first year, all courses taken by King's Scholar students must be numbered 2000 and above. (One exception may be permitted with the Dean's approval.)

*(Additional possible future themes will be placed here)*



### **New Scholarships and Awards**

#### **Beryl E. Theobald Entrance Scholarship** (Faculty of Law)

Awarded annually to an undergraduate student entering first year in the Faculty of Law, who has achieved academic excellence in pre-law studies. The Faculty of Law scholarship committee will select the recipient. This scholarship was made possible by alumni, friends and colleagues of Beryl Theobald to honour her contributions to the Faculty of Law.

*Beryl was the Director of Admissions at Western Law and retired in 2012 after 33 years.*

Value: 1 at \$1,000

Effective: 2014-2015 to 2018-2019 academic year inclusive (with value to be reviewed thereafter)

#### **David James Cohen & Family MBA Scholarship** (School of Graduate and Postdoctoral Studies, MBA)

Awarded annually to a full-time student entering the Master of Business Administration program at the Ivey Business School, based on academic achievement and demonstrated community leadership.

Candidates may submit applications for this strategic recruitment scholarship at the time of application to the MBA Program at Ivey. Final selection of the recipients will be made by the MBA Scholarship Review Committee with at least one member of the selection committee holding membership in the School of Graduate and Postdoctoral Studies. Recipients will be notified at the time of acceptance into the program. This scholarship is made possible through the generosity of David James Cohen, BA '91.

Value: 1 at \$10,000

Effective Date: May 2014 to April 2019 inclusive

#### **Schulich Dentistry Prize in Professionalism and Ethics** (Schulich School of Medicine & Dentistry, Dentistry)

Awarded annually to a full-time undergraduate third year student in the Doctor of Dental Surgery (DDS) program, who has excelled in the course "Professionalism and Ethics". The scholarship/awards committee in Dentistry will select the recipient and it will be awarded each fall. This Prize was made possible by a generous gift from Mr. David E. Rosenthal (LLB '89) and his law firm, Spiegel Rosenthal Professional Corporation Barristers and Solicitors, in honour of Dr. Barry Schwartz.

Value: 1 at \$500

Effective: 2014-2015 to 2018-2019 academic years inclusive

#### **DCY Professionalism Prize 4<sup>th</sup> Year/ITD2** (Schulich School of Medicine & Dentistry, Dentistry)

Awarded annually to a full-time undergraduate fourth year student graduating from the Doctor of Dental Surgery (DDS) program, who has excelled in professionalism and ethics. The scholarship/awards committee in Dentistry will select the recipient and this prize will be awarded each spring at convocation. This prize was made possible by a generous gift from Mr. David Chong Yen and the Dental Estate Inc.

Value: 1 at \$500

Effective: 2014-2015 to 2018-2019 academic year inclusive

#### **Thames Centre Community Choir Memorial Award** (Faculty of Music)

Awarded annually to an undergraduate voice student entering or registered in any year in the Don Wright Faculty of Music, with preference given to a student in performance who has contributed significantly to a choir and has shown great promise, based on choral and vocal experience. A one-page statement of application must be submitted to the Dean's Office by September 30<sup>th</sup>. The recipient will be selected by the Don Wright Faculty of Music Scholarship Committee each fall. This award was established by members of the Thames Centre Community Choir.

Value: 1 at \$1,000

Effective: 2014-2015 academic year

#### **Iota Omicron Chapter, Sigma Theta Tau International Undergraduate Nursing Scholarship** (Faculty of Health Sciences, Nursing)

Awarded to an undergraduate student entering fourth year of the Bachelor of Science in Nursing (BScN) program or fourth level of the Compressed Time Frame BScN program, based on academic achievement (minimum 80% average). Preference will be given to applicants who are members of Iota Omicron, Sigma Theta Tau International (STTI) and who demonstrate active involvement in global or local community activities. Applicants must submit a one-page statement outlining these attributes to the Director's office in the Arthur Labatt Family School of Nursing by October 31<sup>st</sup>. The recipient will be

selected by the Scholarship and Awards Committee in the Arthur Labatt Family School of Nursing. This scholarship was established through the generous donations of the Iota Omicron Chapter members.

Value: 1 at \$1,500

Effective: 2014-2015 to 2018-2019 academic years inclusive (with funding to be reviewed after this)

AER Bursary (Any Undergraduate Program)

Awarded annually to full-time undergraduate students in any program who have demonstrated financial need. Online financial assistance applications are available through the Office of the Registrar's website and must be submitted by October 31<sup>st</sup>. The Registrar's Office will select the recipients. This bursary was established with Foundation Western by a generous gift from an anonymous donor.

Value: 8 at \$2,000

Effective: 2014-2015 academic year

AER Graduate Scholarship for Literacy Studies in Education (School of Graduate and Postdoctoral Studies, Education)

Awarded annually to full-time graduate students in a Master's program in the Faculty of Education, registered in the literacy studies' stream, who have achieved academic and research merit. The graduate scholarship committee, within the Faculty of Education, will select the recipients. At least one representative of the committee must hold membership in the School of Graduate and Postdoctoral studies. This scholarship was established with Foundation Western by a generous gift from an anonymous donor.

Value: 16 at \$5,000

Effective: May 2014 to April 2016 only

AER Graduate Scholarship in the Faculty of Health Sciences (School of Graduate and Postdoctoral Studies, Health Sciences)

Awarded annually to full-time graduate students who are at the Master or Doctoral level in the Faculty of Health Sciences based on academic achievement and research merit. If there is an Ontario Graduate Scholarship (OGS) or Queen Elizabeth II Graduate Scholarship in Science and Technology (QEIGSST) recipient in any given year, the value of the award will be used to support Western's contribution to the OGS/QEIGSST. The School of Graduate and Postdoctoral Studies in cooperation with the Faculty of Health Sciences will select the recipient who is funded through an OGS/QEIGSST. If there is no OGS/QEIGSST holder, then the scholarship will be offered to a non OGS/QEIGSST student. This scholarship was established with Foundation Western by a generous gift from an anonymous donor.

Value: 4 at \$5,000

Effective: May 2014 to April 2016 only

*\*Ontario Graduate Scholarships (OGS) and Queen Elizabeth II Graduate Scholarships in Science and Technology (QEIGSST) funding ensures a 2:1 match through the Provincial Government, increasing the value of the scholarships to \$15,000 each.*

AER Award for Health Studies (Faculty of Health Sciences, Health Studies)

Awarded annually to a full-time undergraduate student in Year 2 or beyond of any program at the School of Health Studies within the Faculty of Health Sciences, based on academic achievement and demonstrated financial need. Online financial assistance applications are available through the Office of the Registrar's website and must be submitted by September 30<sup>th</sup>. The scholarship and awards committee within the Faculty of Health Sciences will select the recipient after the Office of the Registrar assesses financial need. This award was established with Foundation Western by a generous gift from an anonymous donor.

Value: 2 at \$5,000

Effective: 2014-2015 to 2015-2016 academic years only

AER Global Opportunities Award for Health Sciences (School of Graduate and Postdoctoral Studies and Faculty of Health Sciences)

Awarded annually to full-time students (graduate or undergraduate) enrolled in the Faculty of Health Sciences who are participating in a Western University international experience or study abroad program

for which academic credit or approval from their department or faculty will be obtained. This includes academic exchange programs; approved study abroad programs; curriculum based international field courses/research, international community service learning; volunteer opportunities and internships led by Western University. To qualify for these awards, the experience must meet at least one of the following criteria:

Be organized by Western University staff, faculty or department  
Be eligible for academic credit  
Form a required component of the student's degree program.

Students participating in any of the above listed programs who are registered at the constituent University may be considered. Students must have completed their prescribed academic program the previous year and currently be registered in a full-time course load (minimum 3.5 full courses). Students may apply for this award in advance of being accepted into an eligible international learning program with receipt of the award contingent upon acceptance into the program. Students may only receive a Global Opportunities award once during their academic career at Western.

Online applications are available on the Global Opportunities website, Western International. Transcripts are required for students who studied elsewhere in their previous academic year. Applications are due on March 15<sup>th</sup> (for decisions in early May). Students will be selected based on a combination of academic achievement, as well as a statement outlining how this experience will contribute to their development as a global citizen, what they expect to learn through their program of study and how they will be an effective Ambassador for Western. This award was established with Foundation Western by a generous gift from an anonymous donor.

Value: 10 at \$2,000\*  
Effective: 2014-2015 to 2015-2016 academic years only

*\*\$1,000 of the Donor's donation will be matched 1:1 by the University through the Global Opportunity Matching Award Program for an award value of \$2,000.*

AER Graduate Scholarship in Environment and Sustainability Studies (School of Graduate and Postdoctoral Studies, Engineering, Science, Social Science, Environment and Sustainability)  
Awarded annually to full-time graduate students at the Master's or Doctoral level conducting research in the area of Environment and Sustainability, or those enrolled in the Master in Environment and Sustainability (MES) program. These scholarships are based on academic achievement and research merit. Preference will be given to one PhD or Masters student in each of the Faculties of Engineering, Science and Social Science (ideally in the Collaborative Environment and Sustainability program) and one MES student. If there is an Ontario Graduate Scholarship (OGS) or a Queen Elizabeth II Graduate Scholarship in Science and Technology (QEIGSST) recipient in any given year, the value of the award will be used to support Western's contribution to the OGS/QEIGSST. The School of Graduate and Postdoctoral Studies, in cooperation with the various Graduate Programs, will select the recipients. If there is no OGS or QEIGSST holder, then the scholarship will be offered to a non OGS/QEIGSST student. Preference will be given to two PhD or Master's students in each of the Faculties of Engineering, Science and Social Science and two MES students. This scholarship was established with Foundation Western by a generous gift from an anonymous donor.

Value: 8 at \$5,000\*  
Effective: May 2014 to April 2016 only

*\*Ontario Graduate Scholarship (OGS) and Queen Elizabeth II Graduate Scholarship in Science and Technology (QEIGSST) funding ensures a 2:1 match through the Provincial Government, increasing the value of the scholarship to \$15,000 each.*

AER Bursary in Environment and Sustainability Studies in Engineering (Faculty of Engineering)  
Awarded annually to full-time undergraduate students registered in any year of the Green Process Engineering program in the Faculty of Engineering, with demonstrated financial need. An online financial assistance application is available through the Office of the Registrar's website and must be submitted by October 31<sup>st</sup>. The Centre for Environment and Sustainability will identify eligible environment and sustainability programs in the Faculty of Engineering to the Registrar's Office each year. The Office of

the Registrar will determine financial need and then select the recipients. This bursary was established with Foundation Western by a generous gift from an anonymous donor.

Value: 4 at \$2,500

Effective: 2014-2015 to 2015-2016 academic years only

AER Bursary in Environment and Sustainability Studies in Science (Faculty of Science)

Awarded annually to full-time undergraduate students in any Honors Specialization, Specialization or Major in an Environment and Sustainability Module, in the Faculty of Science, with demonstrated financial need. The Centre for Environment and Sustainability will identify eligible environment and sustainability programs in the Faculty of Science to the Registrar's Office each year. An online financial assistance application is available through the Office of the Registrar's website and must be submitted by October 31st. The Office of the Registrar will determine financial need and then select the recipients. This bursary was established with Foundation Western by a generous gift from an anonymous donor.

Value: 4 at \$2,500

Effective: 2014-2015 to 2015-2016 academic years only

AER Bursary in Environment and Sustainability Studies in Social Science (Faculty of Social Science)

Awarded annually to full-time undergraduate students in any Honors Specialization, Specialization or Major in an Environment and Sustainability Module, in the Faculty of Social Science, with demonstrated financial need. The Centre for Environment and Sustainability will identify eligible environment and sustainability programs in the Faculty of Social Science to the Registrar's Office each year. An online financial assistance application is available through the Office of the Registrar's website and must be submitted by October 31st. The Office of the Registrar will determine financial need and then select the recipients. This bursary was established with Foundation Western by a generous gift from an anonymous donor.

Value: 4 at \$2,500

Effective: 2014-2015 to 2015-2016 academic years only

AER Global Opportunities Award in Environment and Sustainability Studies (School of Graduate and Postdoctoral Studies and Faculties of Engineering Science, Science and Social Science)

Awarded annually to full-time students (graduate and undergraduate) enrolled in any program in Environment and Sustainability in the Faculties of Engineering, Science, and Social Science, who are participating in a Western University international experience or study abroad program for which academic credit or approval from their department or faculty will be obtained. This includes academic exchange programs; approved study abroad programs; curriculum based international field courses/research, international community service learning; volunteer opportunities and internships led by Western University. To qualify for these awards, the experience must meet at least one of the following criteria:

Be organized by Western University staff, faculty or department

Be eligible for academic credit

Form a required component of the student's degree program.

Students participating in any of the above listed programs who are registered at the constituent University may be considered. Students must have completed their prescribed academic program the previous year and currently be registered in a full-time course load (minimum 3.5 full courses). Students may apply for this award in advance of being accepted into an eligible international learning program with receipt of the award contingent upon acceptance into the program. Students may only receive a Global Opportunities award once during their academic career at Western.

Online applications are available on the Global Opportunities website, Western International. Transcripts are required for students who studied elsewhere in their previous academic year. Applications are due on March 15<sup>th</sup> (for decisions in early May). Students will be selected based on a combination of academic achievement, as well as a statement outlining how this experience will contribute to their development as a global citizen, what they expect to learn through their program of study and how they will be an effective Ambassador for Western. This award was established with Foundation Western by a generous gift from an anonymous donor.

Value: 10 at \$2,000\*

Effective: 2014-2015 to 2015-2016 academic years only

*\*\$1,000 from the Donor will be matched 1:1 by the University through the Global Opportunity Matching Award Program so that each student receives \$2,000.*

Poul Thomsen Ontario Graduate Scholarship (School of Graduate and Postdoctoral Studies, Biology)

Awarded annually to a full-time Master's or Doctoral student in Biology, based on academic achievement and research merit. If there is an Ontario Graduate Scholarship (OGS) or a Queen Elizabeth II Graduate Scholarship in Science and Technology (QEIGSST) recipient in any given year, the value of the award will be used to support Western's contribution to the OGS/QEIGSST. The School of Graduate and Postdoctoral Studies, in cooperation with the Graduate studies program in Biology, will select the recipient. If there is no OGS or QEIGSST holder, then a non-OGS/QEIGSST student will be selected. This scholarship was made possible by a generous gift from the Estate of Mr. Poul V. Thomsen.

*Poul immigrated from Denmark in the early 1950's and worked as the Superintendent of the Western Research Greenhouse for thirty-five years. Poul had a great love for plant sciences. He passed away in 2010 in Parry Sound at the age of 87.*

Value: 1 at \$5,000\*

Effective: May 2014 to April 2019

\*Ontario Graduate Scholarship (OGS) funding ensures a 2:1 match through the Provincial Government, increasing the value of the scholarship to \$15,000 each.

Medical Research Ontario Graduate Scholarship (School of Graduate and Postdoctoral Studies, Medicine)

Awarded annually to full-time Master's or Doctoral students in the Schulich School of Medicine & Dentistry, who are current holders of an Ontario Graduate Scholarship or a Queen Elizabeth II Graduate Scholarship in Science and Technology, based on academic achievement and research merit. The School of Graduate and Postdoctoral Studies will select the recipients. These scholarships were made possible through estate gifts from three very generous donors, Mrs. Myra Millson, Mr. Donald F. Brown and Dr. Albert Lecot, friends of Western.

Value: 4 at \$5,000\*

Effective: May 2014 to April 2016

*\*Ontario Graduate Scholarship and Queen Elizabeth II Graduate Scholarship in Science and Technology funding ensures a 2:1 match through the Provincial Government, increasing the value of the scholarship to \$15,000 each.*

Ryan Farrell Halliday Tribute Global Opportunities Award (Faculty of Arts and Humanities and Faculty of Social Science)

Awarded to a full-time student enrolled in any Classical Studies program (Honors, Major or Minor) in the Faculty of Arts and Humanities or the Faculty of Social Science, who is participating in a Western University international exchange or study-abroad program with preference given to a student who is attending the Vindolanda Field School.

Students must submit a one-page statement outlining what they expect to learn through their program of study and how they will be an effective Ambassador for Western. Only students who have been approved for any of the above listed programs and who are registered at the constituent University will be considered. Students must have completed their prescribed academic program the previous year and currently be registered in a full-time course load (minimum 3.5 full courses). Online applications are available on the Global Opportunities website, Western International. Transcripts are required for students who studied elsewhere in their previous academic year. Applications are due March 15th (for decisions in early May). Receipt of the award will be based on the acceptance of the candidate into the specified study abroad program, though students may apply in advance of acceptance. This award was established by a generous gift from Bert and Mary Jean Halliday, in honour of their son Ryan.

*Ryan's spirit of courage and fervent compassion, warmth and headstrong perseverance will always be remembered. Ryan lost his 4 ½ year battle with leukemia in 2014 at age 23.*

Value: 1 at \$2,000\*

Effective: 2014-2015 academic year only

\*Each \$1,000 from the Donor will be matched by \$1,000 through the University Global Opportunities Matching Program.

**REPORT OF THE SENATE COMMITTEE ON UNIVERSITY PLANNING**  
**(SCUP)**

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**Dr. Robert Lindsay Chair in Dialysis Research and Innovation**

**Research Chair in Better Kidney Health**

**Dr. John W.D. and Susan McDonald Chair in Inflammatory Bowel Disease**

**Cassels Brock Chair in Mining Law and Finance - Funding**

**2013 Annual Report – Working Group on Information Security (WGIS)**

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**FOR APPROVAL**

1. **Dr. Robert Lindsay Chair in Dialysis Research and Innovation**

See [Appendix 1](#).

2. **Research Chair in Better Kidney Health**

See [Appendix 2](#).

3. **Dr. John W.D. and Susan McDonald Chair in Inflammatory Bowel Disease**

See [Appendix 3](#).

**FOR INFORMATION**

4. **Cassels Brock Chair in Mining Law and Finance – Funding**

At meetings in March, SCUP and Senate were informed of a gift from Yamana Gold Inc. to establish the Yamana Centre for Sustainable Exploration and Resource Development in the Faculties of Law and Science and the Richard Ivey School of Business. It has been determined that a portion of that gift will be directed to the existing Cassels Brock Chair in Mining Law and Finance, thus ensuring that this matching chair is now fully funded.

5. **2013 Annual Report – Working Group on Information Security (WGIS)**

See [Appendix 4](#).

**Dr. Robert Lindsay Chair in Dialysis Research and Innovation**

**FOR APPROVAL**

**Recommended:** That the Dr. Robert Lindsay Chair in Dialysis Research and Innovation be established with appointment to the Division of Nephrology in the Department of Medicine, London Health Sciences Centre (LHSC)

**Donor and Funding:** The Lawson Health Research Institute has donated \$800,000, the Division of Nephrology has donated \$400,000 and the Department of Medicine (LHSC) has donated \$300,000 to fund this endowment. A total of \$1.5 million has been endowed at the University to support the Chair and this has been matched by \$1.5 million from the University, to create a \$3-million endowment to fund the Dr. Robert Lindsay Chair in Dialysis Research and Innovation.

**Effective Date:** July 1, 2014

**Purpose:** The Chair holder will continue the rich tradition of excellence established by Dr. Robert Lindsay during his career, playing a leadership role in dialysis clinical research and innovation in the Division of Nephrology at the Schulich School of Medicine & Dentistry.

The research will be undertaken at the Victoria Hospital site of the London Health Sciences Centre. The Chair holder will advance a successful and productive principal investigator research program in dialysis, with the goal of creating and translating new knowledge to improve both the quality and quantity of life for patients living with kidney failure.

The income from the endowment fund will be used to support the academic program of the holder of the Chair. Funds available may be directed towards salary and benefits or direct research support, or some mixture thereof. The Chair must hold a primary appointment within the Division of Nephrology.

The administration of the spending of resources will be the responsibility of the Dean of the Schulich School of Medicine & Dentistry in collaboration with the Chair of the Department of Medicine (LHSC) and the Chair of the Division of Nephrology together.

**Criteria:** The holder of the Dr. Robert Lindsay Chair in Dialysis Research and Innovation will have substantial nephrology, dialysis and clinical research expertise and will apply expert strategies toward the understanding and treatment of important clinical problems within nephrology research.



Appointments to the Chair will be conducted in accordance with University policies and procedures in consultation with the Dean of the Schulich School of Medicine & Dentistry, the Chair of the Division of Nephrology and the Chair of the Department of Medicine, London Health Sciences Centre. Appointments will normally be for a five-year term, renewable once upon the recommendation of a review panel, and at the discretion of the Dean.

**Reporting:**

The University agrees to report annually to the Division of Nephrology, the Department of Medicine (LHSC) and Lawson Health Research Institute regarding the financial status of the endowment.

**Background:**

Dr. Robert Lindsay is internationally recognized for his research to improve the quality of hemodialysis delivered to patients with kidney failure. During his lengthy career as a nephrologist at the London Health Sciences Centre, he has cared for and improved the lives of thousands of patients with kidney disease.

**Research Chair in Better Kidney Health**

**FOR APPROVAL**

**Recommended:** That the Research Chair in Better Kidney Health be established with appointment to the Division of Nephrology in the Department of Medicine, London Health Sciences Centre (LHSC) in the Schulich School of Medicine & Dentistry.

**Donor and Funding:** The Lawson Health Research Institute has donated \$1.2 million and the Department of Medicine (LHSC) has donated \$300,000 to fund this endowment. A total of \$1.5 million has been endowed at the University to support the Chair and this has been matched by \$1.5 million from the University, to create a \$3-million endowment to fund the Research Chair in Better Kidney Health.

**Effective Date:** July 1, 2014

**Purpose:** The Research Chair in Better Kidney Health will play a leadership role in clinical research in the Division of Nephrology at the Schulich School of Medicine & Dentistry. The purpose of this Chair is to support operations and advance the research mission and culture of the London Kidney Clinical Research Unit, a 4,000 square foot facility located at the Victoria Hospital site of the London Health Sciences Centre. The research mission of the unit is to better prevent and treat kidney disease through innovation, discovery and translation.

The income from the endowment fund will be used to support the academic program of the holder of the Chair. Funds available may be directed towards salary and benefits or direct research support, or some mixture thereof. The Chair must hold a primary appointment within the Division of Nephrology.

The administration of the spending of resources will be the responsibility of the Dean of the Schulich School of Medicine & Dentistry in collaboration with Chair of the Department of Medicine (LHSC) and the Chair of the Division of Nephrology together.

**Criteria:** The holder of the Research Chair in Better Kidney Health is expected to maintain a successful and productive principal investigator research program (according to international standards of recognized excellence) with a goal of improving patient health. He/she will also act as a mentor for students, medical residents and faculty.

Appointments to the Chair will be conducted in accordance with University policies and procedures in consultation with the Dean of the Schulich School of Medicine & Dentistry, Chair of the Department of Medicine (LHSC) and Chair of the Division of Nephrology and Schulich School of Medicine & Dentistry. Appointments will normally be for a five-year term, renewable once upon the recommendation of a review panel, and at the discretion of the Dean.

**Reporting:** The University agrees to report annually to the Scientific Director of the Lawson Health Research Institute and the Department of Medicine (LHSC) regarding the financial status of the endowment.

**Background:**

The Chair has been funded through contributions from the Lawson Health Research Institute and Department of Medicine, London Health Sciences Centre.

**Dr. John W.D. and Susan McDonald Chair in Inflammatory Bowel Disease**

**FOR APPROVAL**

**Recommended:** That the Dr. John W.D. and Susan McDonald Chair in Inflammatory Bowel Disease be established with appointment to the Division of Gastroenterology in the Department of Medicine, London Health Sciences Centre (LHSC).

**Donor and Funding:** The Estate of Ila May Stewart through London Health Sciences Foundation has donated \$807,856 and the Department of Medicine (LHSC) has donated \$692,144 to fund this endowment. A total of \$1.5 million has been endowed at the University to support the Chair and this has been matched by \$1.5 million from the University, to create a \$3-million endowment to fund the Dr. John W.D. and Susan McDonald Chair in Inflammatory Bowel Disease.

**Effective Date:** July 1, 2014

**Purpose:** The creation of the Dr. John W.D. and Susan McDonald Chair in Inflammatory Bowel Disease will help position the Schulich School of Medicine & Dentistry at the forefront of education and research, ultimately improving outcomes for patients seen through the Division of Gastroenterology.

The Dr. John W.D. and Susan McDonald Chair in Inflammatory Bowel Disease will recognize John McDonald and his wife Susan. Dr. McDonald was a Professor of Gastroenterology and two-term Chair of the Department of Medicine at Western, retiring in 2008.

The income from the endowment fund will be used exclusively to support the academic program of the holder of the Dr. John W.D. and Susan McDonald Chair in Inflammatory Bowel Disease. Such support may be directed towards salary and benefits of the incumbent, his/her research program, or some combination thereof at the discretion of Chair of the Division of Gastroenterology who will provide an annual reporting of the allocation of funding to the Dean of the Schulich School of Medicine & Dentistry.

**Criteria:** Funding available through the creation of the Chair will be used to recruit a clinician scientist with a primary focus in research and clinical care in Infectious Bowel Disease research. The holder of the Chair will be a member of the Division of Gastroenterology at the Schulich School of Medicine & Dentistry.

In addition, the holder of the Chair will normally have:

- Academic qualifications commensurate with an appointment at the rank of Professor or Associate Professor;
- A proven clinical research ability and productivity, demonstrated by regular publication in high quality journals and by ongoing success in securing peer reviewed research funding;
- A productive and well-funded research program that he/she will continue to develop;
- Excellent leadership and interpersonal skills that will be required to play a major role in administration of a clinical research team;
- Ability to act as a research/career mentor for students, medical residents and faculty.

Appointments to the Chair will be conducted in accordance with University policies and procedures in consultation with the Dean of the Schulich School of Medicine & Dentistry, Chair of the Division of Gastroenterology and Chair of the Department of Medicine, London Health Sciences Centre. Appointments will normally be for a five-

year term, renewable once upon the recommendation of a review panel, and at the discretion of the Dean.

**Reporting:** The University agrees to report annually to LHSCF and the Department of Medicine (LHSC) regarding the financial status of the endowment.

**Background:**

The Dr. John W.D. and Susan McDonald Chair in Inflammatory Bowel Disease will recognize John McDonald and his wife Susan. Dr. John W.D. McDonald graduated from Western in 1961 (MD) and was the Gold Medalist for his class. He completed a Fellowship at Oxford University in Internal Medicine and Gastroenterology before returning to Western where he was a Professor of Gastroenterology, retiring in 2008. During that time, he also served two terms as Chair of the Department of Medicine. He is the author of numerous books, peer reviewed publications and has given more than 40 major lectures around the world. He was President of the Royal College of Physicians & Surgeons of Canada (2002-2004), Coordinating Editor in the Cochrane Collaboration Steering Committee on methodology, and Past President of the Canadian College of Gastroenterology.

*Western University*  
**The Working Group on Information Security (WGIS)**  
**2013 Annual Report**

WGIS is a multi-disciplinary team representing a broad cross-section of the University community. Information assets are critical to Western's operational success as a University. The primary objective of the WGIS team is to pursue proactive strategies to manage security risks to our information and the information systems that safeguard it.

WGIS's initiatives this past year include continued focus on increasing security/risk awareness within the Western community, ongoing effort to avoid 'phishing' attacks designed to acquire user credentials, further refinement and publishing of a Data Classification standard; and, ongoing information security risk assessment efforts.

New security threats continue to emerge with the proliferation of mobile devices and the commoditization of computing services (also known as 'cloud' services). With the implementation of the Data Classification standard, Western will be better positioned to focus specific initiatives and activities directed at protecting high risk and sensitive information involving these technology trends.

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## Summary of Sub-Committee Activities

### Information Security Awareness – CyberSmart

The lack of general awareness around information security was identified as a critical process gap in the Western Community. One of the main goals of the sub-committee was to institutionalize awareness as an ongoing process rather than initiating reactive responses to specific events

#### ACTIVITIES

##### **Rebranding**

As mental health awareness becomes increasingly important and in order to avoid confusion, the sub-committee changed its name from *eWellness* to *Cybersmart*. Work is underway to change all websites, links, marketing materials etc. The team also initiated the design and production of an information card which was distributed at the faculty orientation in August and at the Student Orientation. (Courtesy of Student Services).



##### **Annual Awareness Plan**

The Cybersmart committee is developing an annual awareness plan. One of the aims is to identify key constituent groups (ie. students, faculty, staff, and visitors) and to develop awareness communications specific to them. We will define key touch-point opportunities to reach large numbers of people as well as specific times or events (e.g. exams, orientations) to target particular messaging. The sub-committee also plans to make more effective use of social media as a communication vehicle.

##### **Security Awareness Session at Student Orientation**

This year, for the first time, the Cybersmart sub-committee successfully submitted, organized, promoted and presented a session to incoming students during orientation week. The session included presentations by Joe Campeau from Ivey on IT security and online presence and etiquette, and by Dr. Angie Mandich on the Student Code of Conduct.

##### **Communication and Awareness**

The Cybersmart team has also been exploring the best way to communicate non-technical emergency messages relating to information security. Working with Communications & Public Affairs, we conducted some preliminary testing of a proposed model during the July phishing attack to more quickly and efficiently distribute information to the campus. In addition, Student Services has added a security statement to all communications with students.

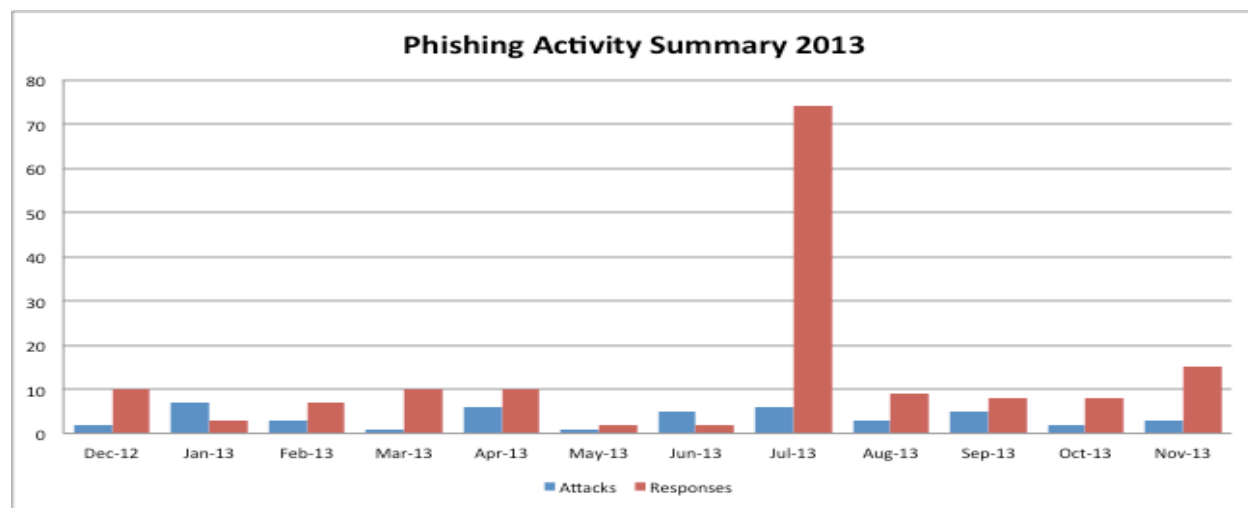
### Online Security Training

In conjunction with other Canadian Universities, Western has acquired a comprehensive online security awareness course. This training material has been shortened and customized to reflect the Western environment. A 1 hour short course has been loaded into Westerns Learning Management system. The next steps are to shorten it further, test the training with focus groups and to subsequently make the course available to all students, Faculty, and Staff. We have initiated discussions to begin this process.

### Ongoing “Phishing” Attack Mitigation Efforts

Western’s end-user computing community continued to be challenged throughout 2013 by a steady stream of both generic and targeted “phishing” (*aka* “spear-phishing”) attempts by increasingly sophisticated malefactors who continue to evolve their efforts to acquire user credentials through different social engineering and technical attack mechanisms.

**Figure 1 – Volume of Targeted Phishing Attacks and "Successful" Responses**



Note: July 2013 statistics include HR Phishing incident

Western’s Human Resources system was targeted in the summer of 2013 by one particularly sophisticated and well-organized attack that was designed to fraudulently redirect payroll deposits. Fortunately, this effort was detected and the threat mitigated without loss to the University or its community. There were however a number of lessons learned and opportunities for improvement that have been undertaken in follow-up to this incident.

- Western’s collective Information System Forensic environment is complex, decentralized, and involves many disparate systems and security logs. As a consequence efforts to detect threat anomalies are currently manual and

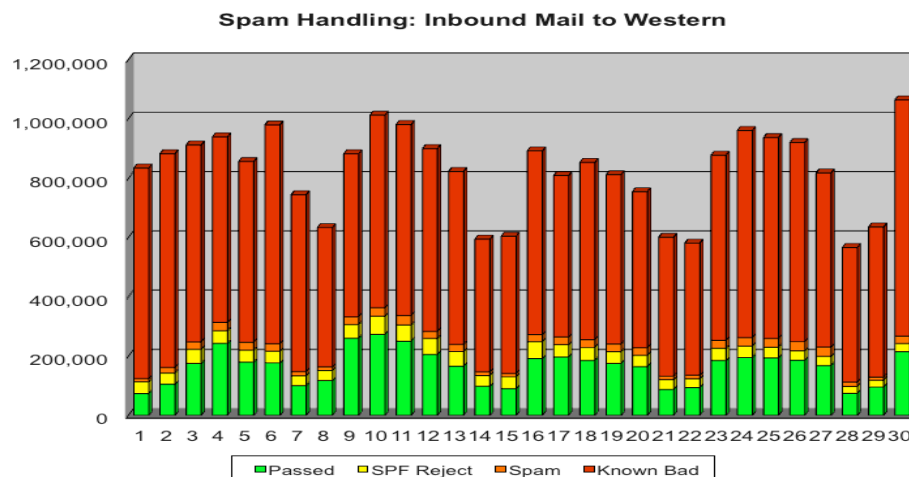


laborious and gaps exist between various Academic and Administrative units. Consequently threat detection is currently reactionary rather than proactive. In response to this, a budget proposal has been forwarded for the acquisition of a Security Incident and Event Management (SIEM) software tool that will assist Western with the automation and more proactive management of Security incident response.

- Human Resources and the Western Information Systems Group (WISG) have implemented additional controls and proactive counter-measures to detect login anomalies; more specifically these include the detection of instances where a single IP is associated with multiple user credentials (the normal pattern would be a single IP is associated with a single user credential).
- ITS has reviewed and standardized Phishing response handling procedures between the Computer Accounts Office, System Administration, and Security Management groups to ensure that everyone has access to common information with respect to handling specific individuals who have fallen victim to Phishing attacks.
- ITS has also scoped and defined a technical solution that will be implemented in 2014. This solution will prevent the automated harvesting of emails from Western's Public Directory without impacting the day to day usability of this service for Faculty, Staff, Students, and visitors.

Another important element of Western's Phishing mitigation strategy is SPAM management. Faculty, Staff, and Students continue to rely heavily on email as a core communications vehicle. ITS continues to refine Email and SPAM management processes to streamline the amount of "required and valid" email that needs to be passed to and from members of our community.

Figure 2.



## **Risk Assessment**

The emergence of Cloud based services comes with an inherent risk to privacy and security of our data. In recognition of that, a review team was formed in November 2012 to assist Procurement Services with creation and implementation of guidelines pertaining to acquisitions of Cloud based services to ensure compliance with University policies and best practices and to mitigate institutional risk in Western's adoption of these solutions. Areas of review include authentication, information management controls and integration with existing central information systems. To date the review team has worked with Housing and Western International.

The Risk Assessment Sub-Committee continued to meet with Faculties and Departments to validate its new approach to Risk Assessment. Specific interviews were conducted with the Office of the Registrar, Engineering, and Health Sciences.

As a result of these interviews, Western's top information threats continue to be:

- Leaks, loss, or breaches of sensitive information from information systems that are not directly controlled by Western (i.e. cloud services), and mobile computing devices such as tablets or smart phones.
- Data leak or disclosure of sensitive information from information systems that are tagged for disposal or destruction due to lack of a formal process
- Unauthorized access or disclosure of sensitive information where the intended use is not clearly articulated in a data sharing agreement with other research partners or between business units.

In response to these threats, the sub-committee is recommending that WGIS work in 2014 focus on the following priority areas:

- a) Providing further guidance relating to cloud computing and acceptable practices;
- b) Providing further guidance on the secure disposal of hard drives
- c) Providing further guidance on the use and standardization of data sharing agreements for information that is sensitive but shared across Faculties and Departments.

## Service Protection

Western continues to improve overall network security through more effective uses of its firewalls. All threats and vulnerabilities identified as 'high' or 'critical' are blocked.

One significant example of this occurred during July and August when Western's central Domain Name Service (DNS) was subject to a Distributed Denial of Service attack that was redirected from *within* Western (the Ivey School of Business' DNS service). The fact that the attack was redirected from Ivey's DNS service highlights the increasing sophistication of the attacks Western faces because a direct attack from the Internet was not possible. Fortunately, steps were taken to mitigate this attack, but in the event that it had been successful all network connectivity between the Internet and Western would have failed. In following up on this attack, Western's firewall rules have been modified to block all inbound DNS traffic to Western IP addresses except for a small list of independently run DNS services run by Faculties or other business units. Each of these have been verified as needing external network access, or not, and if not included in the Firewall Restriction.

Western continues to examine other network services, specifically Western is looking to better protect Email services within the environment because our email service continues to be the target of many attacks, and the method by which viruses, Trojans, and other malware are spread within our environment, posing significant risk to Western's Information assets. Better management of this environment coupled with network security is a low cost protective safe-guard.

## Policies, Procedures, and Best Practices

### Data Classification Standards

Western's Data Classification Standard is based on a 3-tier model involving Confidential, Sensitive, and Public data types. The key principles for these standards are that *not* all data are equal (sensitive data requires special handling); data owners should classify their own data; and the standards of treatment (handling) of data should be based on specific classification types.

Campus feedback from 2012 suggested that there was general agreement in principle to a Data Classification Standard, but also that the supporting procedures needed to be clearly articulated and further defined. A Data Classification Working Group was assembled in 2013 to do this work. Building on the information that had already been pulled together, this group had the following objectives:

- To produce clear, concise Data Classification Definitions and examples
- To define simple operational procedures for classifying data for each data type
- To produce an online reference guide including a quick navigation linking data types to the required handling procedures
- To refer to existing policy, guidelines and procedures wherever possible

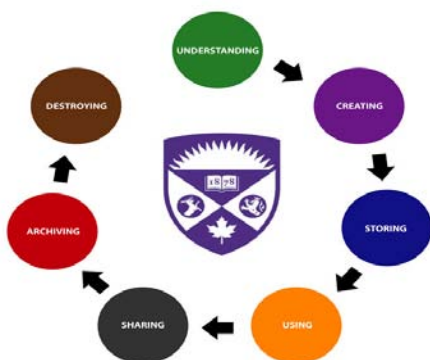
These Data Classification Standards are now published on Western's main Security website: [http://security.uwo.ca/information\\_governance/standards/index.html](http://security.uwo.ca/information_governance/standards/index.html)

This framework provides members of the Western community guidance on the how to:

a) Classify information based on its' importance to the University as defined as:

- ❖ **Confidential** Information
- ❖ **Sensitive** Information
- ❖ **Public** Information

b) Handle that same information in the context of this information life cycle



These handling standards also include references to the use of a suite of encryption tools that have been established for use in various situations, most typically for Confidential and/or Sensitive information. This represents an important shift away from our previous focus on a single encryption tool that would meet all of Western's use cases. (in practice, we have found that no such solution exists)

**Figure 3: Suite of Encryption Tools**

	Desktops, Laptops, Servers				Mobile Devices		
	Linux/Unix	Mac OSX	Mac OSX with Windows (Fusion and/or BootCamp)	Windows (XP/Vista/Win7)	Android	BlackBerry	IOS
Whole Disk Encryption	Symantec PGP, GnuPG, LoopAES, dm-crypt+LUKS, TrueCrypt	Symantec PGP	Symantec PGP - WDE, Bit-locker	Symantec PGP - WDE, Bit-locker	Built in	Built in	Built in
Email Encryption	EnigMail (with PGP)	Symantec PGP, GPG Tools+Enigmail	Symantec PGP - Email Proxy	Symantec PGP - Email Proxy	K-9 Mail+APG	Built in	oPenGP Lite Mail Encryptor
Network File Share Encryption	Native Tools	Native Tools	Symantec PGP - NetShare	Symantec PGP - NetShare	N/A	N/A	NA
USB & other Removable Media	eCryptfs, EncFS	Symantec PGP, TrueCrypt, EncFS	Symantec PGP - PGPZip	Symantec PGP - PGPZip	Built in	Built in	Investigating

## Security Policy Review

There were no specific issues or updates required to Western's IT Security policies (MAPP) identified in 2013. In 2014, it will be time for another (tri-annual) review of these policies as the last such review was completed in May 2011.

## Financial Information Protection: Payment Card Industry (PCI) Compliance

Several WGIS members are actively involved with PCI compliance through the Western Bank Card Committee. As a result, WGIS remains aware of the developments in payment card industry security practices.

Western's payment card environment complies with the PCI Data Security Standard. However, emerging payment technologies and new ecommerce systems on campus must be reviewed by the Bank Card Committee to determine the implications to Western's PCI status.

In 2013, ITS responded to the recommendation of the Bank Card Committee, that additional logical controls be implemented to separate networked Payment Card devices into a separate network to better protect and inventory them. This effort remains ongoing as Point of Sales Devices are reassigned IP addresses.

## **Controlled Goods Program**

The Canadian Government's *Controlled Goods Program* strengthens Canada's defense trade controls by establishing Information Security through Controlled Goods Regulations, effectively extending the Government's own information classification and security policy to include its partners in securing the very sensitive information to which those partners have access. The policy does this by establishing minimum standards of Physical Security (PHYSSEC), Human Security (HUMSEC), Information Security (INFOSEC), and Operational Security (OPSEC) etc. There are several instances of highly-sensitive research or enterprise at Western currently bound, or covered by this legislation.

Western continues to receive highly sensitive information from the Government of Canada or foreign governments and is required to protect this data, some of which is classified SECRET or PROTECTED B, by specific Federal legislation. ITS, in conjunction with the Campus Police and Western's Designated Officer for Controlled Goods have undertaken to look at the feasibility of logically separating network connected devices associated with these programs into logically separate networks, to ease protection efforts by isolating these devices. This work is ongoing.

## **Other Efforts and Conclusions**

### **Incident Response & Investigations**

Western continued to see a significant increase in threats against its information and information systems. In total there were 2 significant incidents classified as High. As well, there have been 72 mobile devices reported lost or stolen in 2013, 22 of which have been recovered through forensic follow-up activities in conjunction with the Campus Police.

## **Conclusion and Future Efforts**

In conclusion, 2013 has been another busy year for WGIS – most particularly related to efforts to publish Western's Data Classification Standards and to revitalizing and further institutionalizing our Security Awareness program through the CyberSmart committee.

Looking ahead to 2014, WGIS will be focusing on the following main areas

1. Formal rollout of Western's Data Classification Standards including communications plans, targeted Administrative applications, and implementation of feedback mechanisms.
2. Continued validation of the formal risk assessment and management processes. Along with the priorities identified throughout this process, WGIS uses Risk Assessment to introduce high priority topics for discussion. This allows flexibility to address emerging concerns and/or urgent security priorities.

## Appendix A – List of Current WGIS Members as of End of 2013

Dr. Kevin Wamsley (Chair)

Carac Allison (TUMS – Registrar's Office)  
Craig Reed (TUMS – Faculty of Engineering)  
Sergio Rodriguez (TUMS - Schulich School of Medicine & Dentistry)  
Ed Gibson (ITS, Technical Advisor)  
Ed Zuidema (ITS, WGIS Scribe)  
Jeffery Gardiner (ITS, Central Information Security Officer)  
Jeffery Grieve (ITS Designate, Acting Director of ITS)  
John Carson (CCPS, Technical Advisor)  
Luiz Capretz (Faculty Member - Engineering)  
Stephen Watt (Faculty Member - Computer Science)  
Krishna Patel (Registrar's Designate, Director of Student Services Support Group)  
Peggy Wakabayashi (Housing Designate, Director of Residences)  
Rob Brennan (Western Information Systems Group Designate, Director of WISG)  
Scott A May (Communications & Public Affairs, Technical Advisor)  
Jamie Brenes Reyes (Graduate Student)

Dan Sinai (Ex-Officio, Acting AVP Research)  
Geoff Pimlatt (Ex-Officio, USC Communications Officer)  
Sharon Farnell (Ex-Officio, Director of Internal Audit)  
Steve Jarrett (Ex-Officio, University Legal Counsel)



**REPORT OF THE UNIVERSITY RESEARCH BOARD  
(URB)**

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**MAPP 7.9 – Policy on Collaborative Research  
Update on Re-Profiling Internal Research Funding and SUPAD**

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FOR APPROVAL

1. **MAPP 7.9 – Policy on Collaborative Research**

**Recommended:** That MAPP 7.9 be revised as shown in [Appendix 1](#).

**Background:**

*MAPP 7.9 – Policy on Collaborative Research* governs the creation of research institutes, centres and groups. There are several issues with the current policy that the revision is intended to address:

- The delineation between a “centre” and an “institute” is not clear enough as to role and function and over the years the terms have come to be used interchangeably.
- Notwithstanding that large research entities can have significant impact on the strategic academic directions of the university and on the university’s budget and use of space, the current policy provides no role for the governing bodies of the university to play in their creation. Authority for approval of the establishment of a research entity lies solely with the Vice-President (Research) in consultation with the Provost & Vice-President (Academic). Senate and Board currently do not even receive notice when an entity is established.
- While the current policy speaks of the need for a “satisfactory review” for renewal of a centre or institute, there are no guidelines or processes defined for such reviews.
- The current policy contains no provisions with respect to how institutes and centres are to be governed.

Attached as [Appendix 1](#) is the proposed revised policy. [Appendix 2](#) is the current policy. In addition to the substantive changes that are being proposed, the policy has been put into the new policy format approved by the Board of Governors for MAPP in 2012.

2. **Update on Re-Profiling Internal Research Funding and SUPAD**

**Recommended:** That Senate approve the re-profiling of the Academic Development fund into the Western Strategic Success programs (WSS).

**Background:**

The Academic Development Fund was first established by the Board of Governors, on the recommendation of Senate, in 1973. It was originally structured as a three part program to support strategic academic priorities through internal grants for research, academic restructuring and academic hiring. Allocations were made under the auspices of the Subcommittee on Priorities in Academic Development (SUPAD), which was a subcommittee of SCUP. Over the years, it has been re-profiled many times until, eventually, its sole focus was research, and SUPAD became a subcommittee of the University Research Board.

In the fall of 2012, the ADF was re-profiled yet again towards the creation of three separate, inter-related

internal funding programs designed to increase overall success in external peer-reviewed funding programs (WSS, Western Strategic Success programs), with the explicit emphasis on alignment with the funding opportunities and mandates of the Federal Tri-Council Agencies. SUPAD was temporarily suspended and the Vice-President (Research) undertook to report back to the URB on the effectiveness of the change in improving research funding results. That report is attached as [Appendix 3](#).

One of the concerns raised about the proposed changes was that non-STEM disciplines would be adversely affected in terms of internal fund allocation. That has proven not to be the case as the following table shows:

	Internal Funding		% Total Internal		% Total External	
	3yr avr. 2010-12	2013	3yr avr. 2010-12	2013	3yr avr. 2010-12	2013
Non-STEM	1.1M	1.05M	34	54	18.5	14.3
STEM	2.1M	0.89M	66	46	81.5	86.7

Non-STEM: A&H, FIMS, Music, Law, Ivey, SocSci, Edu  
STEM: HS, Sci, Eng, SSMD

The University Research Board supports the re-profiling of the ADF. Subject to Senate's approval of the change, the URB has determined that SUPAD will be disbanded.

**The UNIVERSITY of WESTERN ONTARIO**  
**POLICIES and PROCEDURES**

**POLICY #7.9 – Establishment, Governance and Review of Research Institutes, Centres and Groups**

<b>Policy Category:</b>	Research
<b>Subject:</b>	Establishment, Governance and Review of Research Institutes, Centres and Groups
<b>Approving Authority:</b>	Board of Governors on recommendation of Senate
<b>Responsible Officer(s)</b>	Vice-President (Research)
<b>Responsible Office:</b>	Office of the Vice-President (Research)
<b>Related Procedures:</b>	Items to be presented in preparing proposals for recognition of centres and institutes
<b>Effective Date:</b>	TBD
<b>Revised:</b>	July 1, 2008; March 12, 1987

**A. PURPOSE**

- 1.00** The University is committed to research excellence and innovation. The University's strengths as a research-intensive institution have derived, in good measure, from the efforts of individual scholars within the established scholarly disciplines. Increasingly, however, such areas are expanding to include a wide array of topics of investigation posing challenges best met through the development of more complex models of research. To meet this challenge, the University encourages the formation of collaborative research entities, both within and across traditional disciplinary boundaries. The purpose of this document is to set out the policy and procedures for recognition of collaborative research entities at the University, their intended scope of activities, and their required governance and reporting structures, with the goals of enhancing the functionality of such groups, ensuring coordination of effort within the University, and minimizing the liabilities of the entities and the University.

A central feature of this policy is the establishment of three distinct categories of research organization: Institutes, Centres, and Groups. These categories represent different levels of complexity available to research organizations at Western. As levels of complexity and accountability increase so too does the level of governance required. This Policy, and its accompanying Procedures, provides guidance to faculty who are interested in establishing a research organization, as well as to Directors of already established research organizations regarding their governance, reporting and review obligations to the University.

**B. DEFINITIONS**

- 1.00 Research Institutes:** University Institutes will report directly to the Vice-President (Research) through their governance framework. Institutes are the research organizations most closely aligned with the core strategic interests of the University, by virtue of one or more of several criteria: their size, breadth, national and international impact and excellence, and/or their focus and scope of research. Institutes would be multi-disciplinary in nature, and in most cases expected to have core membership spanning two or more faculties, and would be supported by major external funding. Institutes may also involve significant research participation, partnerships, funding, and/or administrative participation from outside the University. In some cases, the membership of the Institute, and its core activities, would be based mainly in a single Faculty, in which case the

Institute would report to the appropriate Faculty Dean as the Vice-President (Research) designate. Institutes are entities that may have significant financial and other implications for the University that must be sustained by the Institute itself, or with a specific negotiated relationship with the University. Institutes would often be responsible for the operation and oversight of core research infrastructure and facilities.

**2.00 Research Centres:** Centres report to the appropriate Dean(s) and any University funding for the Centre will come through the Faculty(s). Centres are collaborative and typically non-departmental research ventures, possibly involving some research participation and/or funding from outside the University, with a director, an administrative structure, a budget, and possibly some assignment of space. Similar to Institutes, Centres undertake collaborative, multi- and inter-disciplinary research and scholarship with national and international impact, but their size, breadth and scope, and/or operational requirements does not warrant Institute status. The scope of interests of a Center may rest largely internal to a particular Faculty, although in most cases their membership will cross two or more Faculties.

**3.00 Research Groups:** Research Groups report to the appropriate Dean or designate. Research Groups consist of a number of investigators informally organized within and recognized by a Department, School and/or Faculty (or in two or more Departments, Schools or Faculties) with shared research objectives, and possibly, shared facilities and funds. They may be expected to form, grow, and dissolve on a relatively short time scale, although, in some cases, they can also be stable for relatively long time periods.

## **C. ESTABLISHMENT, RENEWAL AND MODIFICATION**

### **1.00 Establishment of Institutes and Centres**

- 1.01 Proposals to establish Research Institutes are submitted to the Vice-President (Research) in accordance with the requirements enumerated in the Procedures for the Establishment, Governance and Review of Research Institutes, Centres and Groups [web link].
- 1.02 Proposals for Institutes will be reviewed by the Committee on Research Institutes (CRI) which is chaired by the Vice-President (Research) and includes the Provost & Vice-President (Academic), The Vice-Provost (Graduate and Postdoctoral Studies), the Faculty Dean(s) relevant to the specific Institute, and two members of the University Research Board who will serve as liaison between the URB and CRI.
- 1.03 Proposals for Centres are submitted to the Vice-President (Research) for approval on the recommendation of the relevant Dean(s) in accordance with the requirements enumerated in the Procedures for the Establishment, Governance and Review of Research Institutes, Centres and Groups [web link]. Establishment of Centres will be reported to the University Research Board and through it, to Senate for information.
- 1.04 Proposals for Institutes that are supported by CRI are forwarded to the URB for review. The URB shall consider whether the proposal is consistent with the academic priorities of the University and whether the resource requirements and sources of funding have been appropriately considered. If the proposal is endorsed by the URB, it will recommend it to the Senate which in turn will forward the recommendation for approval to the Board of Governors.

### **2.00 Terms and Renewal for Centres and Institutes**

The initial term of a Centre or Institute shall not exceed five years. Upon application, additional terms, each not exceeding five years in duration, may be granted by the Vice-President (Research) in consultation with the Provost & Vice-President (Academic) and the relevant Dean(s), and subject to the satisfactory review of the objectives, operation and budget of the Centre or Institute. The Vice-President (Research) will notify the URB of any renewal or expiration of the term of a Centre or renewal of an Institute.

### **3.00 Requests for Modifications to an Institute**

Changes to the objectives, administration, operation, and/or funding of an Institute prior to the end of its term must be approved by the Vice-President (Research), the Provost & Vice-President (Academic) and, as appropriate, the University Legal Counsel.

#### **4.00 Requests for Modifications to a Centre**

Changes to the objectives, administration, and/or operation of a Centre prior to the end of its term, are submitted to the Vice-President (Research) for approval on the recommendation of the relevant Dean(s).

#### **5.00 Establishment of Research Groups**

A proposal to establish a Research Group requires the approval of the relevant Dean(s). A brief description of the Group, accompanied by a letter of support from the Dean(s) of the Faculty(ies) involved and a list of its members must be submitted to the Office of the Vice-President (Research) for information. Research Development Services (RDS) shall maintain a record of all such Groups.

#### **6.00 Request for Modifications to a Group**

A letter of explanation from the relevant Dean(s) to the Vice-President (Research) for information and maintenance of records by RDS is required.

### **D. GOVERNANCE AND REVIEW**

- 1.00 The University's Institutes and Centres are expected to adhere to general practices of good governance with administrative structures that utilize expert national and international advice and which ultimately inform the Vice-President (Research) and the Faculty Dean(s) as to their activities and standing within the national and international research community. In the case of Institutes, the Vice-President (Research) will report on the status, progress, and plans of Institutes to SCUP and to Senate.

#### **2.00 Governance – Institutes**

##### **2.01 Director**

An Institute is led by its Director, who is normally appointed for a five-year term. The Director of the Institute reports to the Vice-President (Research) in all aspects related to the Institute and its function. The Director will normally hold an academic appointment and reports to the appropriate Dean and Chair with respect to his/her academic responsibilities.

The Provost & Vice-President (Academic) will appoint the Institute Director on the recommendation of the Vice-President (Research) as advised through a representative selection constituted by the Vice-President (Research). An appointment letter will be issued for the full-term appointment. Directors will normally be qualified to hold an academic appointment.

##### **2.02 Research Advisory Committee (RAC)**

The Director establishes an Research Advisory Committee (RAC) whose purpose is to provide advice to the Director and the members of the Institute with regard to scientific or scholarly priorities and direction for the Institute. The AC is chosen by the Director and is consulted at least every year or more frequently at the discretion of the Director.

##### **2.03 Governing Board (GB)**

The Governing, or Management Board comprises, at a minimum, the Vice-President (Research) (or designate) along with the Deans (or designates) from the Faculties that have principle roles in the success of the Institute. The GB oversees the overall function and direction of the Institute and will meet at least once a year. The GB will receive an annual report from the Director on the status, progress and immediate future plans of the Institute. Such reports will be transmitted to the

Vice-President (Research) for submission to Senate for information. The GB, in consultation with the Director, the RAC and members of the Institute, is responsible for constituting an External Review Board (ERB) at least every five years, and normally coincident with the final year of the Director's term

### **3.00 Governance – Centres**

#### **3.01 Director**

Typically, a Centre is led by a Director who is appointed for a five-year term. The Director is chosen by the appropriate Dean(s) following consultation with members of the Centre.

#### **3.02 Structure**

The Director of the Centre reports to the appropriate Dean(s). The Dean reports to the Vice-President (Research) for information only. In all other respect a Centre's governance structure is that of an Institute which resides principally within a single Faculty. However, it is recognized that in certain cases, the establishment of a formal governing/management board may not be justified. In cases where the Centre maintains a formal governing body, the Centre's GB is normally chaired by the appropriate Dean (or designate) and is composed of the Chairs (or designates) of the Departments that have a principle role in the success of the Centre.

### **4.00 Governance – Groups**

TBD

### **5.00 Review – Institutes**

An External Review Board (ERB) will review each Institute every five years or sooner at the request of the Institute's GB. The members of the ERB will normally be three internationally recognized distinguished scholars, and one internal reviewer, who must be arms-length to the Institute, and will be appointed by the GB. The ERB will assess the performance of the Institute's Director and its scientific program using performance indicators established by the GB. The ERB will report in confidence to the Vice-President (Research). Its report will include recommendations respecting the renewal of the incumbent Director and the performance of the Institute overall. Normally, the Vice-President (Research) will share the ERB's report or major recommendations from the ERB's report with the GB.

### **6.00 Review – Centres**

Responsibility for monitoring the status, progress and plans for Centres resides with the Dean(s) of the Faculty within which the members (or the majority of members) reside. Each Centre will be reviewed at least every five years. The composition of the ERB will be determined by the Dean(s) (or Vice-President (Research) if appropriate), and will consist of external and internal reviewers. In cases where the Centre maintains a formal governing body, the composition of the ERB will be determined by the GB. The ERB will provide a report to the Dean, copied to the VPR.

### **7.00 Review Outcomes**

The review of a Centre or Institute may result in any one of the following outcomes: renewal of the Centre/Institute (perhaps with specific recommendations to be implemented over the next term); termination/non-renewal of the Centre/Institute; restructuring of the unit to transition it to another type of unit (e.g., from centre to institute or vice-versa); in addition, the review will result in renewal of a Director or search for a new Director if the centre or institute is to be renewed.

An external review may conclude that the performance of an Institute or Centre is inconsistent with previously agreed to expectations. The final decision as to whether to disband the Institute or to

transition it to a Centre is made by the Board of Governors, on the recommendation of Senate through the URB

The decision as to whether to disband a Centre, or to transition it to a Group, shall rest with the Dean or Vice-President (Research), on the advice of its Governing Board (if one has been established), and the recommendations of the relevant ERB.

In order to transition from a Group to a Centre or from a Centre to an Institute, the procedures for establishing a Centre or Institute must be followed.

## **E. GENERAL CONDITIONS**

### **1.00 Relationship with Academic Programs**

As part of the University's commitment to linking research and education, Institutes may be involved in the delivery of academic programs. While the approval of research and academic programs may be linked, the approval of the academic component of such programs will follow the normal University procedures for approving academic programs. All academic programs and faculty appointments will reside within Departments. Administration of academic programs will be carried out through the appropriate Dean or Vice Provost.

### **2.00 Existing Centres and Institutes**

The effective date for this policy is the date of approval by the Board of Governors. Existing Centres and Institutes will be subject to this policy at the time of the expiry of their current term or by 2016, whichever is sooner. Institutes or Centres that do not meet this policy's requirements and definitions will not be renewed. There may be circumstances where it is more appropriate to "grandparent" specific existing Centers and Institutes, in which case the Vice-President (Research) may waive this requirement.

### **3.00 Adherence to University Policies**

All Institutes, Centres and Groups are expected to adhere to all applicable university policies and procedures, financial and otherwise, as established or amended from time to time.

### **4.00 Incorporation**

Requests for incorporation by Centres or Institutes will be entertained only in the most exceptional circumstances, and must be approved by the Board of Governors of the University. Should such approval be granted, a formal Affiliation Agreement shall be established between the Centre or Institute and the University, the terms of which are subject to the approval of the Board of Governors. In any incorporated entity, the members of the governing board of the Centre or Institute shall be approved by the University's Board of Governors, and/or a majority of the members of the governing board of the Centre or Institute shall be appointed by the University.

### **5.00 Fundraising**

All fundraising activities proposed by Centres or Institutes shall be undertaken in consultation with, and subject to the approval of the Vice-President (External) of the University. All charitable income tax receipts will be issued in the name of the University and by the University.

### **6.00 Contracts**

The University shall be solely responsible for the negotiation and approval of research contracts involving the Centre or Institute or its members, unless stipulated otherwise under the terms of existing Affiliation Agreements.

**Contact the Office of the Vice-President (Research) to obtain a copy of the most recent version of this document.**

**Office of the Vice-President (Research)**

**ITEMS TO BE ADDRESSED IN PREPARING PROPOSALS FOR RECOGNITION OF CENTRES AND INSTITUTES**

**1. Purposes and Functions**

- a) Proposed name
- b) Faculties/Departments/School or external institutions directly involved (Please provide documentation indicating support for the proposal for each or all as appropriate)
- c) Rationale and justification
- d) Primary objectives
- e) Primary academic and/or non-academic functions
- f) Expected contributions to the University's mission

**2. Membership**

- a) Sources, proposed period of tenure, categories and criteria for membership
- b) Names, institutional affiliation, qualifications, and expected contribution of principal members
- c) New faculty appointments proposed
- d) Alternative faculty workload arrangements proposed

**3. Governance, Administration and Organizational Relationships**

- a) Description and membership of governance structure or governing body
- b) Frequency of meetings of governing body
- c) Names, institutional affiliations, qualifications, and responsibilities of all officers of the Centre/Institute
- d) Level of participation of external institutions in governing body, and/or administration of the Centre/Institute. (Provide evidence that necessary agreements between the University and the external institution have been approved by the University's General Counsel or have been submitted for approval and attach copy of agreement or proposed agreement)
- e) If incorporation is sought, set out reasons for incorporation as appropriate for consideration by the Board of Governors of the University

**4. Students and Courses**

- a) Level and type of involvement of undergraduate or graduate students in centre/institute activities
- b) If Graduate students are involved, provide documentation as appropriate indicating that consultation has occurred between the centre/institute, the School of Graduate and Postdoctoral Studies and to the Faculties/Departments/Schools involved with respect to: (i) advertizing of positions or opportunities; (ii) admissions; (iii) student support; (iv) student supervision



- c) Contribution to the development of new courses, seminars or other instructional programs (Provide documentation with respect to Faculty/Departmental/School support for new instructional initiatives) (NOTE that any and all proposed course/program additions/changes must be pursued through normal departmental/Faculty/senate channels)

5. **Physical Requirements**

- a) Space requirements at Western: (i) at start-up; (ii) within 3 years; (iii) within 6 years
- b) Space requirements at other institutions or locations as appropriate (Please provide documentation of any arrangements in place to secure such space)
- c) Demands on library, computing or other University services such as purchasing, accounting, human resources, payroll, and so forth

6. **Staffing Requirements**

- a) Requirements for administrative, and/or technical personnel support from the University
- b) Details of all proposed support staffing arrangements, as follows: For each support staff member, please indicate: i) proposed employer (e.g. University vs. Centre/Institute); ii) role or duties; iii) source of compensation. For employees of external institutions or corporations, please provide copies of agreements or draft agreements outlining the obligations of the University and the institution/corporation, respectively, vis-à-vis such employees. For employees of Centres/Institutes which are, or intend to become incorporated, please provide copies of agreements or draft agreements outlining the obligations of the University and the Centre/Institute, respectively vis-à-vis such employees

7. **Financing and Support**

- a) Provide a five-year budget plan. Summary of funding sources, including prospective fundraising, "in-kind" support requested from Faculties/Schools/Departments, central administration of the University, or external sources (at startup and for the first three years of operation). In the case of financial/in-kind support from external institutions, provide evidence that necessary agreements between the University and the external institution have been approved by the University's General Council or have been submitted for approval and attach copy of agreement or proposed agreement.
- b) Estimated total budget of the Centre/Institute (at start-up and for the first five years of operation)
- c) Proposed mechanisms for administration of funds received (including research funds)
- d) Nature and source of proposed remuneration for officers/members of the Centre/Institute, as appropriate

8. **Intellectual Property and Commercialization**

- a) Details of proposed arrangements with members (faculty, staff, or students), including members from external institutions, relating to the ownership and/or commercialization of intellectual property created through work undertaken at the Centre/Institute, including a statement recognizing the requirement to follow all guidelines set out by Senate and the UWOFA Collective Agreement.
- b) Details of proposed arrangements for the conduct of private sector contract research

*The UNIVERSITY of WESTERN ONTARIO*  
**POLICIES and PROCEDURES**

## **7.9 GUIDELINES FOR COLLABORATIVE RESEARCH**

Classification: Research

Effective Date: 01JUL08

Supersedes: 12MAR87

### **GENERAL**

- 1.00 The University is committed to research excellence and innovation. To date, the University's strengths as a research-intensive institution have derived in good measure from the efforts of individual scholars within the established scholarly disciplines. Increasingly, however, such areas are expanding to include a wide array of topics of investigation posing challenges best met through the development of more complex models of research. To meet this challenge, the University encourages the formation of collaborative research entities, both within and across traditional disciplinary boundaries. To enhance the functionality of such groups, ensure coordination with the administration of the University, and to minimize possible liabilities to both the entities themselves and the University, it is imperative that collaborative research groups operate under a clear set of guidelines. The purpose of this document is to set out the policy and procedure for recognition of collaborative research entities at the University.

### **POLICY**

- 2.00 The University recognizes three types of collaborative research entities:

A **Research Group** or **Research Unit** consists of a number of investigators informally organized within—and recognized by—a Department, School and/or Faculty (or in two or more Departments, Schools, or Faculties) with shared research objectives, and possibly shared facilities and funds.

A **Centre** is a collaborative research venture, possibly involving some research participation and/or funding from outside the University, with a directorship, an administrative structure, a budget, and possibly some assignment of space.

An **Institute** is a collaborative research venture which satisfies the criteria for a Centre (as above), and which also involves significant research participation, or funding, or administrative participation from outside the University.

### **APPLICATION AND APPROVAL PROCEDURE**

- 3.00 Collaborative research entities are not to use any of the denominations listed above until such time as they have been formally approved by the University. Applicants wishing to establish a collaborative research entity formally recognized by the University must make application to the Office of the Vice-President (Research & International Relations). Proposals must be forwarded through the Office of the Dean or Deans of the Faculties involved, and will be reviewed by the Vice-President (Research & International Relations) and the Provost & Vice-President (Academic). Before the application is submitted to the Office of the Vice-President (Research), the University General Counsel must review and approve all proposals that involve third parties, including any proposed agreements with third parties. It is expected that collaborative research entities will operate within the current Faculty structure of the University, and not as separately incorporated entities. Any and all requests for the incorporation of research entities at the University must be approved by the Board of Governors (See also Section 8, below). Application procedures for the three types of collaborative research entities cited above are listed below.
- 4.00 **Research Group or Research Unit:** Applicants seeking to establish a University Research Group or Research Unit must submit a brief description of the Group or Unit and a list of its members to the Office of the Vice-President (Research) for information. This description must be accompanied by a letter of support from the Dean or Deans of the Faculties involved. This document will be forwarded to the University Secretariat which shall maintain a record of all such Groups and Units.
- 5.00 **Centre or Institute:** Designation as a University Centre or Institute requires a more rigorous procedure of assessment and evaluation. Applicants seeking designation as a University Centre

or Institute must submit, through the Office of the Dean or Deans of the Faculties involved, a formal proposal to the Office of the Vice-President (Research). The formal proposal must follow the criteria set out in “**Items To Be Addressed In Preparing Proposals For University Centres or Institutes**” which is available from the Office of the Vice-President (Research).

- 5.01 Proposals must be developed in consultation with the Vice-President (Research), the Dean or Deans of the Faculties involved, the Chairs of relevant Departments, Directors of Schools, and others within the Faculty or Faculties whose expertise might contribute to the Proposal.
- 5.02 Upon approval by the Vice-President (Research), the Provost & Vice-President (Academic) and, as appropriate, the University General Counsel, the Vice-President (Research) will notify the Senate Committee on University Planning, and this information will be conveyed to the Senate and the Board of Governors for information. The University Secretariat will maintain an up-to-date record of all Centres and Institutes in operation at the University.

### **CONDITIONS**

- 6.00 In those cases where the Centre or Institute maintains a formal governing body or board, the Dean or Deans of the relevant Faculties shall be appointed as ex officio members of such governing bodies.
- 7.00 On an annual basis, the Centre or Institute shall provide to the Dean or Deans of the Faculties involved an annual report of its activities including budgetary information. In no case shall a Centre or Institute be permitted to operate in a deficit position or to incur debt.
- 8.00 Requests for incorporation by Centres or Institutes will be entertained only in the most exceptional circumstances, and must be approved by the Board of Governors of the University. Should such approval be granted, a formal Affiliation Agreement shall be established between the Centre or Institute and the University, the terms of which are subject to the approval of the Board of Governors. It is expected that in any incorporated entity, the members of the governing board of the Centre or Institute shall be approved by the University's Board of Governors, and/or that a majority of the members of the governing board of the Centre or Institute shall be appointed by the University.
- 9.00 All fundraising activities proposed by Centres or Institutes shall be undertaken in consultation with, and subject to the approval of the Vice-President (External) of the University. All charitable income tax receipts will be issued in the name of the University and by the University.
- 10.00 The University shall be solely responsible for the negotiation and approval of research contracts involving the Centre or Institute or its members, unless stipulated otherwise under the terms of existing Affiliation Agreements.

### **TERM**

- 11.00 The initial term of a Centre or Institute shall not exceed three years. Additional terms, each not exceeding three years in duration, may be granted by the Vice-President (Research) in consultation with the Provost & Vice-President (Academic), and the relevant Dean or Deans, and subject to the satisfactory review of the objectives, operation and budget of the Centre or Institute. The Vice-President (Research) will notify the Senate Committee on University Planning of any renewal or expiration of the term of a Centre or Institute.

### **REQUESTS FOR MODIFICATIONS**

- 12.00 Changes to the objectives, administration, operation, and/or funding of the Centre or Institute prior to the end of its term must be approved by the Vice-President (Research), the Provost & Vice-President (Academic) and, as appropriate, the University General Counsel.

**Contact the Office of the Vice-President (Research) to obtain a copy of the most recent version of this document.**  
(Last updated 30JAN03)

**Office of the Vice-President (Research)**

**ITEMS TO BE ADDRESSED IN PREPARING PROPOSALS FOR  
RECOGNITION OF CENTRES AND INSTITUTES**

**1. Purposes and Functions**

- a) Proposed name
- b) Faculties/Departments/School or external institutions directly involved (Please provide documentation indicating support for the proposal for each or all as appropriate)
- c) Rationale and justification
- d) Primary objectives
- e) Primary academic and/or non-academic functions
- f) Expected contributions to the University's mission

**2. Membership**

- a) Sources, proposed period of tenure, and criteria for membership
- b) Names, institutional affiliation, qualifications, and expected contribution of principal members
- c) New faculty appointments proposed
- d) Alternative faculty workload arrangements proposed

**3. Governance, Administration and Organizational Relationships**

- a) Description and membership of governance structure or governing body (Note especially the CONDITIONS section in the policy dealing with respect to University representation)
- b) Frequency of meetings of governing body
- c) Names, institutional affiliations, qualifications, and responsibilities of all officers of the Centre/Institute
- d) Level of participation of external institutions in governing body, and/or administration of the Centre/Institute. (Provide evidence that necessary agreements between the University and the external institution have been approved by the University's General Counsel or have been submitted for approval and attach copy of agreement or proposed agreement)
- e) If incorporation is sought, set out reasons for incorporation as appropriate for consideration by the Board of Governors of the University

**4. Students and Courses**

- a) Level and type of involvement of undergraduate or graduate students in centre/institute activities
- b) If Graduate students are involved, provide documentation as appropriate indicating that consultation has occurred between the centre/institute, the School of Graduate and Postdoctoral Studies and to the Faculties/Departments/Schools involved with respect to: (i) advertizing of positions or opportunities; (ii) admissions; (iii) student support; (iv) student supervision

- c) Contribution to the development of new courses, seminars or other instructional programs (Provide documentation with respect to Faculty/Departmental/School support for new instructional initiatives) (NOTE that any and all proposed course/program additions/changes must be pursued through normal departmental/Faculty/senate channels)

**5. Physical Requirements**

- a) Space requirements at Western: (i) at start-up; (ii) within 3 years; (iii) within 6 years
- b) Space requirements at other institutions or locations as appropriate (Please provide documentation of any arrangements in place to secure such space)
- c) Demands on library, computing or other University services such as purchasing, accounting, human resources, payroll, and so forth

**6. Staffing Requirements**

- a) Requirements for administrative, and/or technical personnel support from the University
- b) Details of all proposed support staffing arrangements, as follows: For each support staff member, please indicate: i) proposed employer (e.g. University vs. Centre/Institute); ii) role or duties; iii) source of compensation. For employees of external institutions or corporations, please provide copies of agreements or draft agreements outlining the obligations of the University and the institution/corporation, respectively, vis-à-vis such employees. For employees of Centres/Institutes which are, or intend to become incorporated, please provide copies of agreements or draft agreements outlining the obligations of the University and the Centre/Institute, respectively vis-à-vis such employees

**7. Financing and Support**

- a) Summary of funding sources, including prospective fundraising, "in-kind" support requested from Faculties/Schools/Departments, central administration of the University, or external sources (at startup and for the first three years of operation). In the case of financial/in-kind support from external institutions, provide evidence that necessary agreements between the University and the external institution have been approved by the University's General Council or have been submitted for approval and attach copy of agreement or proposed agreement.
- b) Estimated total budget of the Centre/Institute (at start-up and for the first three years of operation)
- c) Proposed mechanisms for administration of funds received (including research funds)
- d) Nature and source of proposed remuneration for officers/members of the Centre/Institute, as appropriate

**8. Intellectual Property and Commercialization**

- a) Details of proposed arrangements with members (faculty, staff, or students), including members from external institutions, relating to the ownership and/or commercialization of intellectual property created through work undertaken at the Centre/Institute
- b) Details of proposed arrangements for the conduct of private sector contract research

**CONFIDENTIAL**

**REPORT FROM THE SUBCOMMITTEE ON PRIORITIES IN ACADEMIC DEVELOPMENT  
and THE RESEARCH BOARDS FOR THE WESTERN STRATEGIC SUPPORT PROGRAM**

**FOR APPROVAL**

**Background:**

Beginning in the fall of 2012, the suite of internally supported programs have been re-structured, consolidated and re-purposed to allow for greater flexibility, accountability and alignment with institutional strategic research objectives. This included overhauling the internal funding programs, developing new targeted support mechanisms, and providing selective administrative support, expertise and resources directly to Faculties to assist in their research objectives. The major change has been re-profiling the Academic Development Fund (ADF) towards the creation of three separate, inter-related internal funding programs designed to increase overall success in external peer-reviewed funding programs (WSS, Western Strategic Success programs), with the explicit emphasis on alignment with the funding opportunities and mandates of the Federal Tri-Council Agencies. New research adjudication boards have been established - the Social Science and Humanities Research Board (SSHRC), the Medical and Health Sciences Research Board (MHSRB), and the Science and Engineering Research Board (SERB). Funding eligibility is directly tied to success in acquiring Tri-Council funds (and/or funds from other major peer-reviewed agencies) with the view to increasing total research dollars, relative success rates, and in the total number of eligible Faculty members holding peer-reviewed funds. For the MHSRB and SERB only (not SSHRC), Faculties are required to match awards on a 1:1 basis. This report provides an update on the outcomes and status of these programs during the first year of implementation.

**Academic Development Fund New Research and Scholarly Initiative Award - Major Grant**

The total budget for the Academic Development Fund (ADF) in 2014-2015 is \$1.5 million. This allocation will be used predominantly to support Western's Strategic Support programs for Tri-Agency and other peer-reviewed funding success.

In 2013, SUPAD reviewed 43 applications from the November 2012 ADF Major Grant competition. Of the 43 applications, 13 were recommended for funding. The total amount requested by these 43 applicants was \$4,638,480.

As in previous years, SUPAD divided into three subgroups in order to facilitate the detailed review and preliminary ranking of the applications.

	<u>Applications</u>		<u>Funding</u>
	<u>Received</u>	<u>Recommended</u>	<u>Recommended</u>
Biosciences	30	6	\$304,544
Physical and Mathematical Sciences & Engineering	19	4	\$364,793
Social Sciences, Arts & Humanities	8	3	\$176,270
	<hr/>	<hr/>	<hr/>
	57	13	Total: <u>\$845,607</u>

Applications involving computers were referred to the SCUP Subcommittee on Information Technology (SUIT) for technical assessment. SUPAD met once to evaluate the applications and related materials. Separate meetings of subgroups produced preliminary evaluations.

### **Western Strategic Support for Tri-Agency Success Initiative**

In October of 2012, the first Western Strategic Support competition was launched focusing specifically on CIHR-eligible research. The Medical and Health Sciences Research Board (MHSRB) was established to adjudicate the 54 applications received with a total budget request of \$1,216,998. Each applicant's Faculty was required to commit to a 1:1 funding match.

In January 2013, two separate Research Boards were established to adjudicate applications for NSERC- and SSHRC-eligible research: the Science and Engineering Research Board (SERB) and the Social Science and Humanities Research Board (SSHRB), respectively. Western Strategic Support competitions were held in April, 2013 targeting only NSERC and SSHRC-eligible researchers. From these competitions, SERB reviewed 48 applications and SSHRB reviewed 20 applications, with funding requests of \$1,525,248 and \$381,757 respectively. Faculties of those applicants from Engineering, SSMD, and Science were required to commit to a 1:1 funding match to successful applications. The remaining Faculties were not required to match 1:1 in order to accommodate budget shortfalls. Accelerator grants were exempt from the matching requirements.

	<u>Applications</u>		<u>Funding</u>
	<u>Received</u>	<u>Recommended</u>	<u>Recommended</u>
MHSRB	54	30	\$500,369
SERB	48	13	\$299,180
SSHRB	20	14	\$195,569
	<hr/>	<hr/>	<hr/>
	122	57	Award Total: \$995,118 WSS Portion: <u>\$650,344</u>

Another round of competitions was held in December 2013 and all three Research Boards provided detailed reviews and recommended awards as follows:

	<u>Applications</u>		<u>Funding</u>
	<u>Received</u>	<u>Awarded</u>	<u>Awarded</u>
MHSRB	27	12	\$301,310
SERB	22	7	\$210,894
SSHRB	13	10	\$149,257
	<hr/>	<hr/>	<hr/>
	62	29	Award Total: \$661,461 WSS Portion: <u>\$485,662</u>

To address the varied research challenges across disciplines, continual consultation and significant guideline revisions were undertaken, in particular with the SSHRB. As well, to accommodate SSHRC researchers who presently did not “fit” within the eligibility criteria set out in the Western Strategic Support grant guidelines, a Faculty Research Development Fund (FRDF) was created. This fund is primarily supported by Western’s SSHRC Institutional Grant, with top-up funds of \$100,000 sourced from the WSS account (total funding available this year was \$250K). This fund is administered directly by Faculties. Funding from this envelope is not provided to Science, Engineering or SSMD.

Although it is still early to make definitive conclusions in regards to outcomes of the new programs, we have made encouraging progress in our Tri-Council success over the past year, including an increase success rates, numbers of awards, total dollar value, and in our overall national share of funding.

	CIHR (Open grants only)		NSERC (1 <sup>st</sup> YR Discovery only)		SSHRC (Insight only)	
	2012	2013	2012	2013	2012	2013
Total Funding	15.8M	26.8M	2.72M	2.7M	1.9M	2.7M
Success Rate (%)	14.5	24	57.5	68.5	20	26
National Success Rate (%)	17.5	16.75	58.5	n/a	21.1	23
National Share (%)	3.25	5.4	4.03	n/a	2.2	3.0
National Rank (U15)	10 <sup>th</sup>	5/6 <sup>th</sup>	8 <sup>th</sup>	n/a	11 <sup>th</sup>	n/a

**CIHR:** The above represents 78% year over year increase in funding in the open grants competition. Highlights include a CIHR grant in Arts and Humanities, and gaining one of only six “large category grants” (worth 4M). Challenges; restructuring of CIHR granting programs comes into play this year. Application rates were at their highest levels.

**NSERC:** Funding success in the Discovery program was higher this year, and higher than the national average. However, the dollar value was the same and the average grant value remains at the lower end compared to U15. We are making good progress in increasing our success with CRDs and IRCs.



**SSHRC:** 40% year-over year increase and the success rate above the national average. Overall, the number of application numbers is low, and our success in strategic partnership grants needs to be higher.

**Note:** The results only reflect the Open, Discovery, and Insight competitions. CIHR and SSHRC represent total award results; NSERC represents 1<sup>st</sup> yr installment amounts only.

### **FOR INFORMATION**

#### **Academic Development Fund New Research and Scholarly Initiative Award - Small Grant Competition**

There were no ADF Small Grant competitions in 2013.

## Distribution of ADF monies over past 4 years:

(ADF envelope = 1.5M)

### **Fiscal 2014 (May 1, 2013 to April 30, 2014)**

ADF allocation 1.5 million provided in the operating budget approved by the Board in Spring 2013 to be released in Fiscal 2014 to support:

*ADF Major November 2012 competition - \$845,607 (57 submissions & 13 awarded)*  
*Faculty Research Development Fund (HS & SS only) - \$100,000 (31 awarded)*  
*Western Strategic Support (April 2013 SSHRB/SERB) - \$494,749 (68 submissions & 27 awarded)*  
*Western Strategic Support December 2013 Competition - \$661,461 (62 submissions & 29 awarded)*  
*ADF Small Grants March 2013 competition - \$0*  
*Western Research Priorities and Support Fund = \$0*

<b>ADF Major November 2012 comp</b>	<b>\$845,607</b>
<b>FRDF</b>	<b>\$100,000*</b>
<b>WSS April 2013 competitions (SSHRB, SERB)</b>	<b>\$400,159</b> (central support only)
<b>WSS December 2013 competition</b>	<b>\$485,662</b> (central support only)
<b>Total Awarded = ~\$1.83 million</b>	(shortfall covered by AHSS Small Grants & unclaimed awards)

(\*This represents the portion of the FRDF envelope derived from ADF; total amount of FRDF is 250K)

### **Fiscal 2013 (May 1, 2012 to April 30, 2013)**

ADF allocation 1.5 million provided in the operating budget approved by the Board in Spring 2012 to be released in Fiscal 2013 to support:

*ADF Major November 2011 competition - \$1,291,757 (62 submissions & 17 awarded)*  
*ADF Small Grants October 2012 competition - \$101,567 (33 submissions & 11 awarded)*  
*Western Strategic Support Pilot Program (MHSRB only) - \$500,369 (54 submissions & 30 awarded)*  
*ADF Small Grants March 2012 competition - \$100,029 (32 submissions & 13 awarded)*

<b>ADF Major November 2011 comp</b>	<b>\$1,291,757</b>
<b>ADF Small October 2012 comp</b>	<b>\$101,567</b>
<b>WSS Pilot competition (MHSRB only)</b>	<b>\$250,185</b> (central support only)
<b>ADF Small March 2012 comp</b>	<b><u>\$100,029</u></b>

**Total Awarded = ~\$1.74 million** (shortfall covered by unspent ADF balance & unclaimed awards)

**Fiscal 2012 (May 1, 2011 to April 30, 2012)**

ADF allocation 1.5 million provided in the operating budget approved by the Board in Spring 2011 to be released in Fiscal 2012 to support:

*ADF Major November 2010 competition - \$1,129,210 (61 submissions & 20 awarded)*

*ADF Small Grants October 2011 competition - \$113,462 (45 submissions & 14 awarded)*

*ADF Small Grants March 2011 competition - \$105,560 (43 submissions & 13 awarded)*

**ADF Major November 2010 comp      \$1,129,210**

**ADF Small October 2011 comp      \$113,462**

**ADF Small March 2011 comp      \$105,560**

**Total Awarded = ~\$1.35 million**

**Fiscal 2011 (May 1, 2010 to April 30, 2011)**

ADF allocation 1.5 million provided in the operating budget approved by the Board in Spring 2010 to be released in Fiscal 2011 to support:

*ADF Major November 2009 competition - \$1,434,423 (57 submissions & 24 awarded)*

*ADF Small Grants October 2010 competition - \$81,382 (31 submissions & 11 awarded)*

*ADF Small Grants March 2010 competition - \$92,933 (35 submissions & 12 awarded)*

**ADF Major November 2009 comp      \$1,434,423**

**ADF Small October 2010 comp      \$81,382**

**ADF Small March 2010 comp      \$92,933**

**Total Awarded = ~\$1.61 million**

## Possible Proposal for this Fiscal Year for Distribution of ADF monies:

### Fiscal 2015 (May 1, 2014 to April 30, 2015)

ADF allocation 1.5 million provided in the operating budget approved by the Board in Spring 2014 for release in Fiscal 2015 to support:

#### **Western Strategic Support Initiatives as follows:**

*May 2014 to April 2015 – Faculty Research Development Fund for Health Sciences and Social Sciences = \$100,000*

*May 2014 – SSHRB \$125,000, SERB \$125,000 (plus match), MHSRB \$125,000 (plus match) = \$375,000*

*October 2014 – Accelerator Competition (open to all disciplines) \$200,000*

*November 2014 - SSHRB \$125,000, SERB \$125,000 (plus match), MHSRB \$125,000 (plus match) = \$375,000*

#### **Western Research Priorities and Support Fund = \$500,000**

*This fund would be at the discretion of the VPR and would be used in a strategic manner to promote and support research priorities and interdisciplinary initiatives. There would be a number of specific categories in this fund including;*

- *Support for administration and operations of designated University-wide institutes and clusters,*
- *Equipment and infrastructure support,*
- *Core facilities support,*
- *Support for strategic collaborative – and interdisciplinary – research projects and programs,*
- *Large scale international collaborative research initiatives,*
- *Emerging opportunities,*
- *Support for interdisciplinary scholarly activities and initiatives that do not naturally align with opportunities for external support, and*
- *Support for large proposal development, including incremental financial investments, external consultants, reviewers and so forth (CFI, NCE, private sector, government, industry contracts/partnerships etc.).*

<b>FRDF</b>	<b>\$100,000</b>
<b>WSS May competition</b>	<b>\$375,000</b>
<b>WSS Accelerator</b>	<b>\$200,000</b>
<b>WSS November competition</b>	<b>\$375,000</b>
<b>WRPSF</b>	<b><u>\$450,000</u></b>

**Total Request = \$1.5 million**

**Council of Ontario Universities  
Report to Senate of the Academic Colleague  
Kathleen Okruhlik, June 2014**

The COU Academic Colleagues met in Toronto May 20-21, 2014. There was no meeting of the full Council.

**Cheating in Online Courses:** Tuesday evening's discussion focused on the nature and prevalence of cheating in online courses. The development of the Ontario Online Centre of Excellence has sparked increased interest in this question. If you would like copies of the articles we were given to read in preparation for our discussion, please contact me at [okruhlik@uwo.ca](mailto:okruhlik@uwo.ca). Subsequently, the discussion expanded to cover related issues such as how to monitor online course quality after the original course designers are no longer involved in teaching those courses, how evaluation procedures for online courses will be handled, who will own intellectual property rights, and so on. Still later, this discussion led to more general questions about intellectual property rights (not limited to online courses): Who owns IP rights to our course syllabuses, course notes, any textbooks we may write?

**Provincial Election:** Jennifer Grass, Senior Director of COU Communications and Public Affairs, discussed the Council's pre-election strategy in light of genuine uncertainty about the outcome. COU is making extensive use of social media to counter false claims about universities, especially with respect to the value of a university education. There was a discussion of the various parties' platforms regarding post-secondary education. Although there were very few references to the post-secondary sector in the pre-election budget, the Ministry had made some commitments that are now up in the air. These include a commitment to significantly increase the Facilities Renewal Budget by 2019 and a commitment to phase in some of the funding reductions related to teacher education.

**Strategic Mandate Agreements:** All institutions except Laurentian, Lakehead, and a small college in the Barrie area have now signed SMAs with the provincial government. These will be released after the election. COU wants the SMA metrics to be revisited.

**New Program Approvals:** The question here is unchanged: When will the suspension/moratorium on program approvals come to an end? The provincial election was called immediately after the SMA process was concluded. (So there was "about a nanosecond" when program approvals might have been possible.) COU will ask for four things: (1) Commitment to timelines. (2) Delegation of approval of non-contentious proposals to the Deputy Minister. (3) A commitment from government that the Program Approval process will not be used as a lever to keep tuition down. (4) Expansion of the list of "core programs" not required to go through the Program Approval process.

**MTCU's Credential Review: Three-year bachelor's degrees at Ontario colleges:** Much of this discussion centered on the range of implications for universities: Which programs or universities might be most affected by three-year college degrees? Could such degrees be used as a path to professional and graduate programs? Although the major part of this discussion focused on arguments against the introduction of such degrees, there was also some consideration of arguments in favor of the proposed change.

**COU Task Force on Funding Flexibility:** COU hopes to meet with the new government soon after the election to discuss funding flexibility. The organization will try to effect a "cultural change" in how COU relates to the Ministry – moving beyond consultation to some sort of partnership.

**May 23<sup>rd</sup> COU Update:** Please contact Nancy Martinelli if you wish to receive this Update, bearing in mind that it is not a public document and is intended for use only in your Senate-related work.

I will be happy to answer questions about these and other issues on the floor of Senate.



**TO:** Faculty Relations

**FROM:** Equity & Human Rights Services

**DATE:** May 28, 2014

**SUBJECT:** *Reports on Promotion and/or Tenure – 2013-2014*

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Please find attached charts summarizing the information requested on the designated group status of those individuals considered for Promotion and/or Tenure under the Collective Agreements for 2013/2014.

As in previous years, the data is provided with the following notes:

- The information related to the designated groups – with the exception of gender – was provided by Equity & Human Rights Services (EHRS).
- The information provided by EHRS is in aggregate form only and was drawn from the Employment Equity database.
- All information in the database is obtained through self-identification surveys sent to employees; therefore, information is only available for those individuals who have completed surveys.
- Where the information is unknown, it is considered to be a “no” response (i.e. not a member of designated group).
- For reasons of confidentiality, the information provided by EHRS is suppressed in cases where there are fewer than 5 individuals in the group considered for Promotion and/or Tenure and/or where deemed necessary by EHRS.

2013-14 REPORT ON PROMOTION AND/OR TENURE CASES CONSIDERED UNDER THE FACULTY COLLECTIVE AGREEMENT	
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(as required under Clause 21 in the Article *Promotion and Tenure*)

Total cases considered for Promotion and/or Tenure									
----------------------------------------------------	--	--	--	--	--	--	--	--	--

Male	35							
Female	21							
Aboriginal	1							
Visible Minority	11							
Person with Disability	1							

Probationary Assistant Professors considered for Promotion and Tenure					

	Process initiated by Dean in the last year - Clause 15.1	Process initiated by Dean in any year before the last year - Clause 15.3	Process initiated by Member by March 1 of 3rd year for consideration in the 4th year - Clause 15.4	Positive Committee recommendation - Clause 17	Negative Committee recommendation - Clause 17	Positive Provost decision - Clause 18	Negative Provost decision - Clause 18.3	
Male	14	1	1	14	2	14	2	
Female	14	0	0	14	0	14	0	
Aboriginal	1	s	s	1	0	1	0	
Visible Minority	5	s	s	4	1	4	1	
Person with Disability	0	s	s	0	0	0	0	

Probationary Associate Professor considered for Promotion or Granting of Tenure									
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	Process initiated by the Dean in the last year of the appointment - Clause 15.2	Process initiated by Dean in any year before the last year - Clause 15.3		Positive Committee recommendation - Clause 17	Negative Committee recommendation - Clause 17	Positive Provost decision - Clause 18	Negative Provost decision - Clause 18.3	
Male								
Female								
Aboriginal								
Visible Minority								
Person with Disability								

Tenured Associate Professors considered for Promotion									
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	Process initiated by Dean - Clause 15.5	Process initiated by Member no earlier than three years after promotion to Associate Professor - Clause 15.6		Positive Committee recommendation - Clause 17	Negative Committee recommendation - Clause 17	Positive Provost decision - Clause 18	Negative Provost decision - Clause 18.3	
Male	18	1		19	0	19	0	
Female	7	0		7	0	7	0	
Aboriginal	0	s		0	0	0	0	
Visible Minority	6	s		6	0	6	0	
Person with Disability	1	s		1	0	1	0	

Limited-Term Assistant and Associate Professors Considered for Promotion									
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	Process initiated by Dean - Clause 15.5.1	Process initiated by Member - Clause 15.4.2	Process initiated by Member - Clause 15.6.1	Positive Committee recommendation - Clause 17	Negative Committee recommendation - Clause 17	Positive Provost decision - Clause 18	Negative Provost decision - Clause 18.3	
Male								
Female								
Aboriginal								
Visible Minority								
Person with Disability								

Total cases considered for Promotion and/or Tenure	56
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56

The information related to the designated groups - with the exception of gender - was provided by Equity & Human Rights Services. This information was provided, in aggregate form only, from the Employment Equity Database. All information in this database is obtained through the self-identification surveys sent to employees. Therefore, information about membership in a designated group is only available for individuals who completed and returned the surveys. Those who have not completed a survey and who were considered for tenure and/or promotion are counted as not being members of a designated group. For reasons of confidentiality, data (with the exception of gender) is suppressed (s) in cases where there were less than 5 individuals considered in a group.

# 2013-2014 REPORT ON PROMOTION AND CONTINUING APPOINTMENT CASES CONSIDERED UNDER THE LIBRARIANS AND ARCHIVISTS COLLECTIVE AGREEMENT

(as required under Clause 27 in the Article *Promotion and Continuing Appointment*)

## Total cases considered under Clause 7 for Promotion or Continuing Appointment

Male	0							
Female	2							
Aboriginal	s							
Visible Minority	s							
Person with Disability	s							

## Probationary Appointees considered for Promotion

	Process initiated by University Librarian or Dean in final six months of probationary period - Clause 8.1	Process initiated by the University Librarian or Dean - Clause 8.2	Proess initiated by Member - Clause 8.3	Positive Committee recommendation - Clause 18	Negative Committee recommendation - Clause 18	Positive Provost decision - Clause 23.3	Negative Provost decision - Clause 23.3	
Male	0		0	0	0	0	0	
Female	1		1	2	0	2	0	
Aboriginal	s		s	s	s	s	s	
Visible Minority	s		s	s	s	s	s	
Person with Disability	s		s	s	s	s	s	

## Probationary Appointees considered for Continuing Appointment

	Process initiated by University Librarian or Dean in final six months of probationary period - Clause 7.1	Process initiated by University Librarian or Dean at any time prior to final six months of probationary period - Clause 7.2	Proess initiated by Member - Clause 7.3	Positive Committee recommendation - Clause 18	Negative Committee recommendation - Clause 19	Positive Provost decision - Clause 23.33	Negative Provost decision - Clause 23.3	
Male								
Female								
Aboriginal								
Visible Minority								
Person with Disability								

## Total cases considered for Promotion and Continuing Appointment

2

The information related to the designated groups - with the exception of gender - was provided by Equity & Human Rights Services. This information was provided, in aggregate form only, from the Employment Equity Database. All information in this database is obtained through the self-identification surveys sent to employees. Therefore, information about membership in a designated group is only available for individuals who completed and returned the surveys. Those who have not completed a survey and who were considered for tenure and/or continuing appointment are counted as not being members of a designated group. For reasons of confidentiality data is suppressed (s) in cases where there were fewer than 5 individuals considered in a group and/or as deemed necessary by EHRS. As such, please note that the data, with the exception of gender, for Librarian/Archivists has been suppressed in all categories.



# 2008-2014 REPORT ON PROMOTION AND CONTINUING APPOINTMENT CASES CONSIDERED UNDER THE LIBRARIANS AND ARCHIVISTS COLLECTIVE AGREEMENT

(as required under Clause 27 in the Article *Promotion and Continuing Appointment*)

## Total cases considered Promotion or Continuing Appointment

Male	3						
Female	11						
Aboriginal	0						
Visible Minority	0						
Person with Disability	1						

## Probationary Appointees considered for Promotion

	Process initiated by University Librarian or Dean in final six months of probationary period - Clause 8.1	Process initiated by the University Librarian or Dean - Clause 8.2	Process initiated by Member - Clause 8.3	Positive Committee recommendation - Clause 18	Negative Committee recommendation - Clause 19	Positive Provost recommendation - Clause 23.3	Negative Provost recommendation - Clause 23.3
Male	0		0	0	0	0	0
Female	3		1	4	0	4	0
Aboriginal	s		s	s	s	s	s
Visible Minority	s		s	s	s	s	s
Person with Disability	s		s	s	s	s	s

## Probationary Appointees considered for Continuing Appointment

	Process initiated by University Librarian or Dean in final six months of probationary period - <u>Clause 7.1 combined with</u> Process initiated by Member - <u>Clause 7.3</u>	Process initiated by University Librarian or Dean at any time prior to final six months of probationary period - Clause 7.2		Positive Committee recommendation - Clause 18	Negative Committee recommendation - Clause 19	Positive Provost recommendation - Clause 23.3	Negative Provost recommendation - Clause 23.3
Male	3			3	0	3	0
Female	7			7	0	7	0
Aboriginal	0			0	0	0	0
Visible Minority	0			0	0	0	0
Person with Disability	1			1	0	1	0

## Total cases considered for Promotion and Continuing Appointment

14

The information related to the designated groups - with the exception of gender - was provided by Equity & Human Rights Services. This information was provided, in aggregate form only, from the Employment Equity Database. All information in this database is obtained through the self-identification surveys sent to employees. Therefore, information about membership in a designated group is only available for individuals who completed and returned the surveys. Those who have not completed a survey and who were considered for tenure and/or continuing appointment are counted as not being members of a designated group. For reasons of confidentiality, data (with the exception of gender) is suppressed (s) in cases where there were less than 5 individuals considered in a group and/or where deemed necessary by EHRS.