REPORT OF THE SENATE COMMITTEE ON ACADEMIC POLICY AND AWARDS

(SCAPA)

FOR APPROVAL

1. **Scholar's Electives Program**

Recommended: That effective September 1, 2005, the Scholar's Electives Program be revised as outlined below:

REVISED CALENDAR COPY

SCHOLAR'S ELECTIVES PROGRAM

The Scholar's Electives program allows students who have demonstrated outstanding academic potential to apply to Western for admission to both a primary, discipline-based program of study and the Scholar's Electives module. The program is designed to provide an intellectually stimulating learning environment for students who truly wish to undertake an interdisciplinary 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.

Those selected will comprise a small group (no larger than 50-75 students per year at the constituent university) who will, in addition to their Honors degree courses, enrol in a Scholar's Electives module comprised of 3.0 courses. The courses in the Scholar's Electives module will be taught by faculty members from more than one Faculty and expose students to significant ideas from different disciplines.

The small enrolment in the program will enable the students to connect with one another and ensure greater individual contact with faculty members. Development and staffing of the Scholar's Electives modular courses will be the responsibility of the participating faculties.

Each Affiliated University College also offers a Scholar's Electives program leading to a BA degree under the same conditions. Admission to the program shall be granted by the Academic Dean (Brescia or King's University College) or Dean of Arts and Social Science (Huron University College) 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 mentor. The mentor will serve as the student's primary academic advisor, working in collaboration with an Academic Counsellor from the student's home Faculty. The mentor will hold regular meetings with the student to monitor the student's progress and provide advice if necessary. Students also will be able to participate in the Scholar's Electives Peer Mentorship program, and they will have the opportunity to network and build a community with other high-achieving students through planned activities and events facilitated by both the Faculties and the Centre for New Students.

Admission Requirements
Normally, students apply for admission to the Scholar's Electives program prior to registration in first year of a BA, BHSc or BSc degree program. Scholar's Electives is a limited enrolment program, open to full-time students who qualify for membership as Western Scholars by having at least a 90% admission average. Selection will be determined by a Selection Committee on the basis of grades and personal accomplishments, such as demonstrated achievement beyond the classroom and community contributions, as 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 Selection Committee for late admission.

Program Requirements
The Scholar's Electives program includes an Honors degree, with either an Honors Specialization or double Major, as well as the Scholar's Electives module. 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's Office. The courses in the Scholar's Electives module are interdisciplinary courses developed and taught by teams of experienced faculty members.

<u>The Scholar's Electives Module</u>
3.0 courses:
0.5 course: Scholar's Electives 020y: Introductory Research project (introduction to research in the student's field, normally taken in first year)
1.0 course: Scholar's Electives 200: Intellectual Origins and Concepts 1: Historical Perspectives (seminar course with readings, normally taken in Year 2 or 3)
1.0 course: Scholar's Electives 201: Intellectual Origins and Concepts 2: Contemporary Issues (seminar course with readings, normally taken in Year 2 or 3)
0.5 course: Scholar's Electives 400y: Fourth Year Senior Research project (participation in Research Fair by presentation of research results at Great Hall/Alumni Hall poster session)

Students must be registered in a minimum of 5.0 courses during each Fall/Winter session. Students also may take additional courses during the summer. With permission of the Department and Dean's Office, students with an appropriate background may be permitted to include senior courses in their first-year program. After first year, students are required to take all honors courses. (One exception may be permitted with Dean's approval.). Regulations governing the New Academic Choices, including the breadth and essay requirements, apply to Scholar's Electives students.

<u>Themed Modules</u>
These modules allow study in areas that are not covered by New Academic Choices. Each module will be overseen by an appropriate mentor. Examples of these themes include:
- peace studies (economics, politics, philosophy, anthropology, history, women's studies, etc.)
- multiculturalism (politics, geography, comparative literature, history, languages, etc.)
- scientific methodology (biology, chemistry, physics, history, philosophy, etc.)

Progression and Graduation Requirements
To maintain their registration in the Scholar's Electives program, students enrol in a full course load during the Fall/Winter session and must achieve a sessional average of at least 80% with no grade 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 degree, including the Scholar's Electives module, with a minimum cumulative average of 80% with no grade less than 65%.

The diploma awarded to students will record both the status of Scholar's Electives and the Specializations and/or Majors studied, as recommended by the Dean.

Background:

The purpose of this proposal is to develop a program of study that will be attractive to Western's top students. It is intended to appeal to high achieving students who are intellectually curious and interested in a broad, interdisciplinary academic experience. The program is intended to provide individualized attention to these students, as well as advanced research opportunities, together with exposure to a community of like-minded peers. At the same time, it must recognize that these students have academic and career goals that must not be derailed by a program that is overly demanding and/or a distraction from some of their more discipline/career specific undertakings.

In general, this program will target students entering first year, though it will also be possible for students to enter the program at the end of first year. Admission will be by application; admission decisions to be made by a committee of Associate Deans (or designates).

The program proposal has the following components: a) Mentor, b) Intellectual Origins and Concepts, which together will yield c) the Scholar's Electives module and support the possibility of d) Themed modules.

A) **Mentor**

This is a key component. The prospect of having a professor oversee and direct a student's work has been one of the most attractive (if occasionally underused) elements of the current Scholar's Electives program. The role of the mentor would be to hold regular meetings with the student to see how things are going and offer suggestions along the way. Academic counselling and advising are important in this context. In the first year, a student could be assigned an interim mentor, subject to revision, depending on the development of the student's interests. By second year, the assignment would be made permanent (subject to variables including sabbaticals, divergent interests, etc.). The mentor would also be responsible for putting together two research courses for the student. The first would be a half course (0.5), taken in first year as a "y" course (Scholar's Electives 020y) and would serve as an introduction to research in the student's field. The second (Scholar's Electives 400y) would be a senior research project, with the results of the research presented in a poster display at a yearly Research Fair. Also, if the student elected to undertake a Themed module, the mentor would be in charge of overseeing/advising on course selection.

To be successful, mentors would have to take an active interest in their mentees, and would need to receive academic recognition for their efforts from APE committees and the like.

B) **Intellectual Origins and Concepts (IOAC)**

This would be a 2.0 course sequence, at the 200-level, intended to introduce students to the intellectual origins and concepts of the university disciplines. It would be, necessarily, a multidisciplinary undertaking. It would be a historical survey covering major themes in the arts, sciences and social sciences. At the same time there would be a significant focus on the relevance of historical elements to contemporary theoretical debates and

research. An important goal of these courses would be to offer students a chance to interact with their peers in a "community of diverse scholars" setting.

The format of this course would be a seminar with readings. Each course would require a coordinator and a collection of lecturers to present material and facilitate class discussion. (Again, it would be important to arrange professional credit for participating in these courses, without impinging on departments' abilities to deliver their other courses: treating participation on a par with teaching a reading course might be an appropriate model). The choice of coordinator and facilitators would be crucial to the success of the venture.

The two Scholar's Electives 200-level courses (IOAC 1 and IOAC 2) would be offered every year. Students could take them in either order (there would be a sense in doing 1 before 2, but scheduling issues might arise). Ideally, these would be full-year courses, perhaps meeting two hours per week to keep the load manageable. The reason for this is to offer a full 52 weeks of course material over two years: this would allow the Faculties to put together a course of study that is not overly restrictive, and has sufficient room to cover as broad an array of themes and approaches as possible.

Grading in the course should be on the basis of some combination of essays, presentations and tests. While it would be possible to have the course graded as Pass/Fail, likely this would undermine commitment to the course. Hence, the course should be counted into the record as a regular course.

Possible course areas: IOAC 1- Historical Perspectives. IOAC 2- Contemporary Issues. Models for these kinds of courses exist at both Columbia University (famously) and Queen's University (less famously and with an abbreviated science component, but still effectively. See: http://www.queensu.ca/history/IOCW.htm)

C) **The Scholar's Electives Module**

3.0 courses:
0.5 course: Scholar's Electives 020y: Introductory Research project (introduction to research in the student's field), taken as overload in first year
1.0 course: Scholar's Electives 200: Intellectual Origins and Concepts 1: Historical Perspectives (seminar course with readings)
1.0 course: Scholar's Electives 201: Intellectual Origins and Concepts 2: Contemporary Issues (seminar course with readings)
0.5 course: Scholar's Electives 400y: Fourth Year Senior Research project (participation in Research Fair, taken as overload in 4th year, presentation of research results at Great Hall/Alumni Hall poster session)

D) **Themed Modules**

The purpose of these modules would be to allow study in areas that are not covered by New Academic Choices. Each module would be overseen by an appropriate mentor.

What might such modules look like?
1) Peace Studies (economics, politics, philosophy, anthropology, history, women's studies, etc.)
2) Multiculturalism (politics, geography, comparative literature, history, languages, etc.)
3) Scientific Methodology (biology, chemistry, physics, history, philosophy, etc.)

These modules could be taken as an Honors Specialization or a Major. The combination would have to be scrutinized to make sure that it a) met program requirements and b) did not jeopardize prospects for graduate school, professional school, etc. If these turn out to be attractive, it might be worth contemplating opening these up to Western Scholars as well. The main attraction here is to offer as many choices as possible to high achieving students.

E) **What this looks like in terms of degree combinations (number of courses)**

1st Year	Honors	Major	Major	Minor	Minor	S.E.M.	Total
5.5	9.0	6.0				3.0	23.5
5.5	9.0			4.0		3.0	21.5
5.5		6.0	6.0			3.0	20.5*

* Note: Students are expected to carry a 5.0 course load in each year.

For Honors Specialization modules with 10.0 courses, or Major modules with 7.0 courses, the total number of courses in some combinations becomes a problem.

Conclusion

This proposal aims to present the components of, and rationale for, a program designed to be intellectually stimulating and attractive to students. Its goals are to foster a community of scholars who have diverse disciplinary and research interests, but have a general intellectual curiosity about most disciplines. The proposal also seeks to institute mechanisms whereby top students will get serious academic attention, early exposure to active research and a broad intellectual background.

2. **Reciprocal Articulation Agreement: Environmental Science Graduates of UWO or Fanshawe College**

Recommended: That effective September 1, 2004, advanced standing be granted to UWO Environmental Science students who are graduates of Fanshawe College, and Fanshawe College students who are graduates of Environmental Science modules at UWO.

NEW CALENDAR COPY
(P. 16-17, 2004 Academic Calendar)

APPLICANTS FROM COLLEGES OF APPLIED ARTS AND TECHNOLOGY (CAAT)...

2. Applicants who have completed a three-year CAAT diploma program in either Environmental Technology or Science Laboratory Technology (Fanshawe College), with a minimum cumulative GPA of 3.0, will be considered for admission into either three- or four-year degrees, taking specific modules in Environmental Science which may be combined with specific modules in Chemistry, and for transfer credit to a maximum of 9.0 courses. Contact the Dean's Office, Faculty of Science, for more information.

(P. 138, 2004 Academic Calendar)

ENVIRONMENTAL SCIENCE PROGRAMS...

Suitably qualified graduates from either the Environmental Technology or Science Laboratory Technology diploma programs offered by Fanshawe College may be admitted to UWO with a maximum of 9.0 transfer credits, and complete either a three- or four-year degree at UWO, choosing specific modules in Environmental Science (which may be combined with additional specific modules in Chemistry).

UWO graduates with either a three- or four-year degree, which includes a module in Environmental Science and specific courses, may be admitted to Fanshawe College and complete a diploma in either Environmental Technology or Science Laboratory Technology, in a period of approximately twelve months. Contact Fanshawe College for details.

Background:

The proposal will make it possible for a student who has completed a degree (UWO) or diploma (Fanshawe College) at one institution to obtain a degree or diploma at the other institution, with one additional calendar year of study. It will be an attractive choice for students to augment both their theoretical and technical skills in Environmental Science and Technology. This agreement will replace and augment an existing (and soon to expire) one-way agreement which facilitated Fanshawe College graduates completing an undergraduate degree at UWO.

AGREED TERMS

Completion of Fanshawe Diploma and subsequent degree at UWO:

SCIENCE LABORATORY TECHNOLOGY DIPLOMA

- no longer than 5 years should have elapsed between conferral of diploma and admission to UWO (exceptions will be considered on an individual basis)
- minimum cumulative GPA of 3.0 required on all courses taken toward completion of diploma
- minimum grade of "C" in each course listed for advanced standing consideration

Fanshawe Courses:	**UWO Advanced Standing credits:**
BIOL113 + 213 + ENVR 197	1.0 Year 1 Biology
CHEM 108 + 208	Chemistry 023
MTHM 360 + 466 + 597	1.0 Year 1 Math (antirequisite to Calc 050a/Stats 024a/b)
PHYS 131 + 231 + 308	1.0 Year 1 Physics
CMNC 155 + 355	1.0 Year 1 Arts (Communications)
CHEM 301 + 401	Chemistry 213a/b*
CHEM 405	Chemistry 272F*
CHEM 520 + 620	Chemistry 372F/G*
ENVR 505 + 605 + 614	0.5 senior-level Science (option)
ENVR 312 + 515	0.5 senior-level Science**
ENVR 602 + 624	0.5 senior-level Science**
BIOL 306 + 407	0.5 senior-level Biology** (antirequisite to Bio 327b)

* advanced standing credits to be used toward completion of a module in Chemistry
** advanced standing credits to be used toward completion of a module in Environmental Science

NOTE: the 1.0 advanced standing credit in Mathematics has been approved in lieu of the usual Year 1 math requirement for entry into either a Major or Minor in Chemistry
NOTE: these 9.0 advanced standing credits can be applied only toward the module/degree combinations specified

Students will be required to complete only 1.0 senior essay course at UWO, having completed the equivalent of approximately 2.0 essay courses at Fanshawe College.

THREE-YEAR BACHELOR DEGREE:

(i) Major in Environmental Science
9.0 advanced standing credits from Fanshawe College + 6.0 courses to be taken at UWO:
1.0 course from Geography 020E; Earth Sciences 022a/b, 023a/b, 081a/b, 083F

5.0 UWO courses toward **Major in Environmental Science:**
- Chemistry 210a/b
- Biology 285b
- Earth Sciences 261a/b
- Geography 153a/b or 154F/G
- Environmental Science 300F/G, 350F/G
- 2.0 courses chosen from the Environmental Science Course lists including at least 0.5 course from each of lists (i), (ii) and (iii)

(ii) Minor in Environmental Science + Minor in Chemistry
9.0 advanced standing credits from Fanshawe College + 6.0 courses to be taken at UWO:
1.0 course from Geography 020E; Earth Sciences 022a/b, 023a/b, 081a/b, 083F/G
NOTE: if Geography 020E is **not** selected, an additional 0.5 course that is neither from the Faculty of Science nor the Faculty of Arts must be taken to satisfy the breadth requirement (total of 6.5 courses required at UWO)
2.5 UWO courses toward **Minor in Environmental Science:**
- Biology 285b
- Earth Sciences 261a/b
- Geography 153a/b or 154F/G
- Environmental Science 300F/G, 350F/G

2.5 UWO courses toward **Minor in Chemistry:**
- Chemistry 210a/b, 211a/b, 214a/b
- 1.0 course from Chemistry 223b, 320a/b, 330F/G, 364a/b, 370a/b, 393a/b
  NOTE: Chemistry 393a/b requires both 213a/b **and** 223b as prerequisites

NOTE: Chemistry 210a/b must be taken as part of the Minor in Chemistry and does not appear, therefore, in the Minor in Environmental Science. An additional advanced standing half course from Fanshawe College has been used toward the Minor in Environmental Science.

BACHELOR DEGREE (FOUR-YEAR):

(i) Specialization in Environmental Science
9.0 advanced standing credits from Fanshawe College + 11.0 courses to be taken at UWO:
1.0 course from Geography 020E; Earth Sciences 022a/b, 023a/b, 081a/b, 083F
8.0 UWO courses toward **Specialization in Environmental Science:**
- Chemistry 210a/b
- Biology 285b
- Earth Sciences 261a/b
- Geography 153a/b or 154F/G
- Environmental Science 300F/G, 350F/G, 494F/G
- 2.0 courses chosen from the Environmental Science Course lists including at least 0.5 course from each of lists (i), (ii) and (iii)
- 2.5 further courses at the 300- or 400-level chosen from the Environmental Science Course lists

2.0 options (1.0 must be senior level)

(ii) Specialization in Environmental Science + Minor in Chemistry
9.0 advanced standing credits from Fanshawe College + 11.0 courses to be taken at UWO:
1.0 course from Geography 020E; Earth Sciences 022a/b, 023a/b, 081a/b, 083F
7.5 UWO courses toward **Specialization in Environmental Science**
- Biology 285b
- Earth Sciences 261a/b
- Geography 153a/b or 154F/G
- Environmental Science 300F/G, 350F/G, 494F/G

- 2.0 courses chosen from the Environmental Science Course lists including at least 0.5 course from each of lists (i), (ii) and (iii)
- 2.5 further courses at the 300- or 400-level chosen from the Environmental Science Course lists

2.5 courses toward **Minor in Chemistry:**

- Chemistry 210a/b, 211a/b, 214a/b
- 1.0 course from Chemistry 223b, 320a/b, 330F/G, 364a/b, 370a/b, 393a/b
  NOTE: Chemistry 393a/b requires both 213a/b **and** 223b as prerequisites

NOTE: Chemistry 210a/b must be taken as part of the Minor in Chemistry and does not appear, therefore, in the Specialization in Environmental Science. An additional advanced standing half course from Fanshawe College has been used toward the Specialization in Environmental Science.

(iii) Major in Environmental Science + Major in Chemistry
9.0 advanced standing credits from Fanshawe College + 11.0 courses to be taken at UWO:
1.0 course from Geography 020E; Earth Sciences 022a/b, 023a/b, 081a/b, 083F
5.0 UWO courses toward **Major in Environmental Science:**

- Chemistry 210a/b
- Biology 285b
- Earth Sciences 261a/b
- Geography 153a/b or 154F/G
- Environmental Science 300F/G, 350F/G
- 2.0 courses chosen from the Environmental Science Course lists including at least 0.5 course from each of lists (i), (ii) and (iii)

4.5 courses toward **Major in Chemistry:**

- Chemistry 211a/b or 271a
- Chemistry 274a, 281G, 283G, 284b, 300F/G, 371F, 373F, 374a/b
  NOTES: Chemistry 281G requires Chemistry 271a or 211a/b with a minimum mark of 80%. Chemistry 283G requires a minimum grade of "B" in each of CHEM 301 and 401 from Fanshawe College

0.5 option

(iv) Major in Environmental Science + Minor in Chemistry
9.0 advanced standing credits from Fanshawe College + 11.0 courses to be taken at UWO:
1.0 course from Geography 020E; Earth Sciences 022a/b, 023a/b, 081a/b, 083F
4.5 courses toward **Major in Environmental Science:**

- Biology 285b
- Earth Sciences 261a/b
- Geography 153a/b or 154F/G
- Environmental Science 300F/G, 350F/G
- 2.0 courses chosen from the Environmental Science Course lists including at least 0.5 course from each of lists (i), (ii) and (iii)

2.5 courses toward **Minor in Chemistry:**

- Chemistry 210a/b, 211a/b, 214a/b
- 1.0 course from Chemistry 223b, 320a/b, 330F/G, 364a/b, 370a/b, 393a/b
  NOTE: Chemistry 393a/b requires both 213a/b **and** 223b as prerequisites

NOTE: Chemistry 210a/b must be taken as part of the Minor in Chemistry and does not appear, therefore, in the Major in Environmental Science. An additional advanced standing half course from Fanshawe College has been used toward the Major in Environmental Science.
3.0 options (2.0 must be senior level)

(v) **Major in Chemistry and Minor in Environmental Science**
9.0 advanced standing credits from Fanshawe College + 11.0 courses to be taken at UWO:
1.0 course from Geography 020E; Earth Sciences 022a/b, 023a/b, 081a/b, 083F

4.5 UWO courses toward **Major in Chemistry:**
- Chemistry 211a/b or 271a
- Chemistry 274a, 281G, 283F, 284b, 300F/G, 371F, 373F, 374a/b
  NOTES: Chemistry 281G requires Chemistry 271a or 211a/b with a minimum mark of 80%. Chemistry 283G requires a minimum grade of "B" in each of CHEM 301 and 401 from Fanshawe College

3.0 UWO courses toward **Minor in Environmental Science:**
- Chemistry 210a/b
- Biology 285b
- Earth Sciences 261a/b
- Geography 153a/b or 154F/G
- Environmental Science 300F/G, 350F/G

2.5 options (1.5 must be senior level)

HONORS BACHELOR DEGREE:

(i) Honors Specialization in Environmental Science
9.0 advanced standing credits from Fanshawe College + 11.0 courses to be taken at UWO:
1.0 course from Geography 020E; Earth Sciences 022a/b, 023a/b, 081a/b, 083F
8.0 UWO courses toward **Honors Specialization in Environmental Science:**
- Chemistry 210a/b
- Biology 285b
- Earth Sciences 261a/b
- Geography 153a/b or 154F/G
- Environmental Science 300F/G, 350F/G, 450F/G, 494F/G
- 2.0 courses chosen from the Environmental Science Course lists including at least 0.5 course from each of lists (i), (ii) and (iii)
- 2.0 further courses at the 300- or 400-level chosen from the Environmental Science Course lists

2.0 options (1.0 must be senior level)

(ii) Honors Specialization in Environmental Science + Minor in Chemistry
9.0 advanced standing credits from Fanshawe College + 11.0 courses to be taken at UWO:
1.0 course from Geography 020E; Earth Sciences 022a/b, 023a/b, 081a/b, 083F
7.5 UWO courses toward the **Honors Specialization in Environmental Science:**
- Biology 285b
- Earth Sciences 261a/b
- Geography 153a/b or 154F/G
- Environmental Science 300F/G, 350F/G, 450F/G, 494F/G
- 2.0 courses chosen from the Environmental Science Course lists including at least 0.5 course from each of lists (i), (ii) and (iii)
- 2.0 further courses at the 300- or 400-level chosen from the Environmental Science Course lists

2.5 courses toward the **Minor in Chemistry**:
- Chemistry 210a/b, 211a/b, 214a/b
- 1.5 courses from Chemistry 223b, 320a/b, 330F/G, 364a/b, 370a/b, 393a/b
  NOTE: Chemistry 393a/b requires both 213a/b **and** 223b as prerequisites

NOTE: Chemistry 210a/b must be taken as part of the Minor in Chemistry and does not appear, therefore, in the Honors Specialization in Environmental Science. An additional advanced standing half course from Fanshawe College has been used toward the Honors Specialization in Environmental Science.

(iii) Major in Environmental Science + Major in Chemistry
9.0 advanced standing credits from Fanshawe College + 11.0 courses to be taken at UWO:
1.0 course from Geography 020E; Earth Sciences 022a/b, 023a/b, 081a/b, 083F

5.0 courses toward **Major in Environmental Science:**
- Chemistry 210a/b
- Biology 285b
- Earth Sciences 261a/b
- Geography 153a/b or 154F/G
- Environmental Science 300F/G, 350F/G
- 2.0 courses chosen from the Environmental Science Course lists including at least 0.5 course from each of lists (i), (ii) and (iii)

4.5 courses toward **Major in Chemistry:**
- Chemistry 211a/b or 271a
- Chemistry 274a, 281G, 283G, 284b, 300F/G, 371F, 373F, 374a/b
  NOTES: Chemistry 281G requires Chemistry 271a or 211a/b with a minimum mark of 80%. Chemistry 283G requires a minimum grade of "B" in each of CHEM 301 and 401 from Fanshawe College

0.5 option

Environmental Science Course List *(as revised in DAP approvals dated 16JUL)*

Environmental Life Science Courses
Biology 204a, 217b, 283a, 284a, 290F/G, 320Z, 321F, 327b, 335b, 342F/G, 345F, 346b, the former 402a, 405b
Earth Sciences 369a/b
Geography 213a/b
Pathology 440a/b
Pharmacology and Toxicology 356a/b, 460a/b, 463a
Microbiology and Immunology 360b or the former 450b
or a course approved for this category by an Environmental Science counsellor

Environmental Physical Science Courses
Chemical and Biochemical Engineering 363a/b, Civil & Environmental Engineering 405a/b
Earth Sciences 220a/b, 230a/b, 240a/b, 320a/b, 340a/b, 341a/b,370a/b, 431a/b, the former 432a/b, 440a/b, 444a/b
Geography 115a/b, 201a/b, 208a/b, 214a/b, 216a/b, 280a/b
Physics 104a/b
or a course approved for this category by an Environmental Science counsellor

Environmental Philosophy, Policy and Political Science Courses
Biology 443G
Geography 116a/b, 124a/b, 128a/b, 134F/G, 153a/b, 154F/G, 166a/b, 235F/G
History 313F/G, 314F/G
History 142, 205E, 316E (Brescia University College)
Political Science 137, 235E
Philosophy 110a/b
Sociology 101F/G, 103F/G, 104F/G
or a course approved for this category by an Environmental Science counsellor

Completion of UWO degree and subsequent diploma at Fanshawe College:
Completion of a three-year or four-year Bachelor Degree at The University of Western Ontario, including one or more of the following modules:
- Minor in Environmental Science
- Major in Environmental Science
- Specialization in Environmental Science
- Honors Specialization in Environmental Science

The degree must include the following credits, not necessarily required in the Environmental Science modules:

- 1.0 course from Physics 020, 024, 026, or 028a/b + 029b, or the former Physics 022 or 025
- 1.0 course from Earth Sciences 022a/b, 023a/b, 081a/b, 083F/G, or the former 082a/b or 085a/b
- Biology 327b
- Earth Sciences 340a/b, 440a/b
- Chemical and Biochemical Engineering 363a/b, formerly Engineering 363a/b
- 0.5 course from the Environmental Philosophy, Policy and Political Science list

The degree should include both Chemistry 213a/b or 273a, and 272F. If these courses are not successfully completed at UWO, comparable courses will be required at Fanshawe College, increasing the time needed to complete the diploma.

Successful completion of a degree, including the above-mentioned modules and courses, will permit completion of a diploma in Environmental Technology in one calendar year (12 months). Because of course prerequisites and schedules, it is most desirable to enter Fanshawe College in the Winter Semester. The courses required at Fanshawe are as follows:

Winter Semester:
ENVR 3003
ENVR 3007
ELNC 3006
MATH 5008
CHEM 5001

Summer Semester:
BIOL 3001
PHYS 3001

Fall Semester:
ENVR 5002
ENVR 5003
ENVR 5005
ENVR 5006
ENVR 5007

In cases where the UWO course complement differs from the above, please contact the Fanshawe College Environmental Technology Coordinator.

Should a student lack Chemistry 272F, it may be necessary to first enrol in Fanshawe's Summer Semester to take CHEM 3003 (BIOL 3001 and PHYS 3001 could be taken during this first Summer Semester). Assistance in obtaining a Co-op position will be available following successful completion of 10 Fanshawe College credits.

3. **Guidelines for Scheduling Convocation Dates in the Structure of the Academic Year**

Recommended: That the Policy on the Structure of the Academic Year be revised to include guidelines for scheduling of June and October convocation ceremonies.

[Secretarial Note: In the chart below, the dates for convocation ceremonies to 2014 have been stipulated and detailed dates for the academic years between 2010 and 2014 have been added.]

GUIDELINES FOR THE ORGANIZATION OF THE ACADEMIC YEAR

The following Guidelines apply only to those faculties, schools and colleges which operate on a 26-week teaching term, i.e., they do not apply to the Faculties of Education, Graduate Studies, Law, Medicine & Dentistry or the Richard Ivey School of Business.

1. Scheduling the Start Date of Classes and Length of the First and Second Term

   - Classes in the first term will begin on the Thursday following Labour Day.
   - Classes in the second term will begin on the first Monday following January 2. Second term classes will begin no earlier than twelve days following the last day of the mid-year examination period.
   - Each term will be thirteen weeks in length, comprising at least 62 "lecture days".

2. Scheduling Study Days and Examinations

   - There will be at least one study day (including Saturdays and Sundays) between the completion of lectures and the first scheduled final examination.
   - The final day of examinations will be no later than December 22 in the first term and April 30 in the second term.
   - The final examination period will be at least 12 days in the first term and at least 17 days in the second term.
   - No examinations are to be scheduled on Good Friday or Easter Sunday.
   - No examinations are to be scheduled on the first two days of Passover unless the avoidance of those dates would extend the final examination period beyond the end of April. In years where examinations are scheduled on the first two days of Passover*, affected students are required to request accommodation and arrange with their instructor(s) and/or Dean for an alternative examination.

3. Scheduling Conference Week

   - Conference Week will be scheduled following the first seven weeks in second term.

4. Scheduling June and October Convocation Ceremonies

   - June Convocation ceremonies will be scheduled for the second full week in June.
   - October Convocation ceremonies will be scheduled on the fourth Thursday and Friday in October. [If October 1 is a Friday, it will not count as week 1.]

	2004-2005	**2005-2006**	**2006-2007**	**2007-2008**	**2008-2009**
Labour Day	Sept. 6	Sept. 5	Sept. 4	Sept. 4	Sept. 1
Registration	Sept. 7-8	Sept. 6-7	Sept. 5-6	Sept. 4-5	Sept. 2-3
First Term	Sept. 9-Dec. 8 (64 days)	Sept. 8-Dec. 7 (64 days)	Sept. 7-Dec. 6 (64 days)	Sept.6-Dec. 5 (64 days)	Sept.4-Dec. 3 (64 days)
Thanksgiving Monday	Oct. 11	Oct. 10	Oct. 9	Oct. 8	Oct. 13
October Convocation	Oct. 28-29	Oct. 27-28	Oct. 26-27	Oct. 25-26	Oct. 23-24
Study Day	Dec. 9	Dec. 8	Dec. 7	Dec. 6	Dec. 4

Exams	Dec. 10-21 (12days)	Dec. 9-21 (13 days)	Dec. 8-20 (13 days)	Dec. 7-19 (13 days)	Dec. 5-17 (13 days)
Holiday	Dec. 22-Jan. 2 (12 days)	Dec.22-Jan. 8 (18 days)	Dec.21-Jan. 7 (18 days)	Dec.20-Jan. 6 (18 days)	Dec.18-Jan. 4 (18 days)
Second Term	Jan. 3-Apr. 8 (64 days)	Jan. 9- Apr.11 (62 days)	Jan. 8-Apr. 12 (64 days)	Jan. 7-Apr. 10 (63 days)	Jan. 5-Apr. 8 (63 days)
Conf. Week	Feb. 21-25	Feb. 27- Mar. 3	Feb. 26-Mar. 2	Feb. 25-29	Feb. 23-27
Good Friday	Mar.25	Apr. 14	Apr. 6	Mar. 21	Apr. 10
Easter Sunday	Mar. 27	Apr. 16	Apr. 8	Mar. 23	Apr. 12
Passover	Apr. 24-25	Apr. 14 (Fri.)*	Apr. 3-4	Apr. 20-21	Apr. 9-10
Study Day	Apr. 9	Apr. 12	Apr. 13	Apr. 11	Apr. 9
Exams	Apr. 10-29 (18 days)	Apr. 13-30 (16 days)	Apr. 14-30 (17 days)	Apr. 12-30 (17 days)	Apr. 11-30 (19 days)
June Convocation	June 13-17	June 12-16	June 11-15	June 9-13	June 8-12

* Note: Spring 2006 is an exceptional year; in second term 16 days of examinations are scheduled rather than 17 and the first day of examinations coincides with the first day of Passover.

	2009-2010	**2010-2011**	**2011-2012**	**2012-2013**	**2013-2014**
Labour Day	Sept. 7	Sept. 6	Sept. 5	Sept. 3	Sept. 2
Registration	Sept. 8-9	Sept. 7-8	Sept. 6-7	Sept. 4-5	Sept. 3-4
First Term	Sept. 10-Dec. 9 (64 days)	Sept. 9-Dec. 8 (64 days)	Sept. 8 - Dec7 (64 days)	Sept. 6 - Dec. 5 (64 days)	Sept. 5 - Dec. 4 (64 days)
Thanksgiving Monday	Oct. 12	Oct. 11	Oct. 10	Oct. 8	Oct. 14
October Convocation	Oct. 22-23	Oct. 28-29	Oct. 27-28	Oct. 25-26	Oct. 24-25
Study Day	Dec. 10	Dec. 9	Dec. 8	Dec. 6	Dec. 5
Exams	Dec. 11-22 (12 days)	Dec. 10-21 (12 days)	Dec. 9-20 (12 days)	Dec. 7-18 (12 days)	Dec. 6-17 (12 days)
Holiday	Dec. 23-Jan.3 (12 days)	Dec. 22-Jan.2 (12 days)	Dec. 22-Jan. 8 (18 days)	Dec. 19-Jan. 6 (19 days)	Dec. 18-Jan. 5 (19 days)
Second Term	Jan. 4-Apr. 9 (64 days)	Jan. 3-Apr. 8 (65 days)	Jan. 9-Apr. 11 (62 days)	Jan. 7-Apr. 12 (64 days)	Jan. 6-Apr. 12 (64 days)
Conf. Week	Feb. 22-26	Feb. 21-25	Feb. 27-Mar. 2	Feb. 25-Mar. 1	Feb. 24-28
Good Friday	Apr. 2	Apr. 22	Apr. 6	Mar. 29	Apr. 18
Easter Sunday	Apr. 4	Apr. 24	Apr. 8	Mar. 31	Apr. 20
Passover	Mar. 30-31	Apr. 19-20	Apr. 7-8	Mar. 26-27	n/a*
Study Day	Apr. 10	Apr. 9	Apr. 12	Apr. 13	Apr. 12

Exams	Apr. 11-30 (20 days)	Apr. 10-30 (17 days)	Apr. 13-30 (18 days)	Apr. 14-30 (17 days)	Apr. 13-30 (16 days)
June Convocation	June 14-18	June 13-17	June 11-15	June 10-14	June 9-13

*Note: In Spring 2014, examinations will be scheduled on the first days of Passover (April 15-16). Inclusion of these 2 days in the schedule still will not bring the total number of exam days to the required 17 days.

4. **Policy on Degree Diplomas**

A) Degree Diplomas [Officially Conferred at Convocation Ceremonies]

Recommended: That degree diplomas be officially conferred only at convocation ceremonies, as outlined in the following policy:

DEGREE DIPLOMAS

Degree diplomas will be officially conferred at the appropriate convocation ceremony following successful completion of the degree requirements and an application to graduate, if required, or will be available for pick-up by the graduate subsequent to the ceremony.

Degree diplomas will **not** be awarded in advance of convocation ceremonies. Students who require notice of confirmation that their program has been completed (in addition to an official transcript) may apply to the Office of the Registrar with a request for a letter attesting to the fact that they have completed the requirements of their program.

Background:

This policy statement reflects Western's tradition, but makes clear that it is not possible to receive a diploma in advance of convocation ceremonies.

The only exception granted by Senate (S.94-58; S.01-8) is for DDS graduates who, in order to practice dentistry, must present a copy of their diploma to the Royal College of Dental Surgeons and thus obtain a certificate of registration. In this specific case, the DDS is granted retroactively to June for students who satisfy all of the requirements for graduation after the June or Fall convocation date for Dentistry but before the October or Spring convocation.

B) Degree Diplomas for MD Graduates

Recommended: That effective from January 1, 2005, the degree diplomas for students graduating with a Doctor of Medicine degree state the following:

> "The Senate, on the recommendation of the Schulich School of Medicine in the Faculty of Medicine & Dentistry, has conferred upon (graduate's name) the degree of Doctor of Medicine with all its rights, privileges and obligations."

5. **King's University College: Withdrawal of the Bachelor of Administrative Studies Specialization Module in Finance. Administration and Computer Science**

Recommended: That effective September 1, 2005, admission to the BACS Specialization Module in Finance and Administration with Computer Science at King's University College be discontinued,

That students currently enrolled in the module be given four years from their date of admission to complete the module, and,

That effective September 1, 2008, the BACS Specialization Module in Finance and Administration with Computer Science at King's University College be withdrawn.

REVISED CALENDAR COPY
(pages 328-329 of the 2004 Academic Calendar)

Specialization: Finance, Administration and Computer Science
(no new admission: effective September 2005)
Note: All students enrolled in this module must complete its requirements within 4 years of their date of admission. The Diploma program will be withdrawn in September 2008.

Background:

The module will be withdrawn due to limited student interest and insufficient course offerings in computer science at King's. There are 6 students currently enrolled: 2 in Year IV and 4 in Year I. King's would like to allow these students to complete the program. The Faculty of Social Science will continue to offer this module.

FOR INFORMATION

1. **Report on New Scholarships and Awards**

SCAPA has approved, on behalf of the Senate, the following Terms of Reference for new awards, for recommendation to the Board of Governors through the Vice-Chancellor:

Western's 125th Anniversary Alumni Awards (Any Undergraduate Faculty)
Awarded to full-time undergraduate students in Year 2 or higher of any program based on academic achievement (minimum 80% average) and financial need. Applications can be accessed online through the Office of the Registrar's Web site and must be submitted by October 31. The Office of the Registrar will select the recipient. These awards were established by donations from alumni and friends to Western's 125th Anniversary Alumni Campaign, a joint initiative of Foundation Western, Alumni Western and the University.

Value: The number of awards will be based on funds available. Each award is valued at $1,000. A minimum of 1 award of $1,000 will be offered annually.
Effective: May 2004

These awards are offered through the Ontario Student Opportunity Trust Fund (OSOTF) program, and recipients must meet Ontario residency requirements.

Lloyd W. Bracewell – Bracewell Engineering Inc. Award (Faculty of Engineering, Civil and Environmental Engineering)
Awarded to a full-time student in Year 3 of a program offered by the Department of Civil and Environmental Engineering based on academic achievement (minimum 75% average) and extra-curricular activities. Applications are available from the Faculty of Engineering and must be submitted, along with a short essay describing the candidate's extra-curricular activities, by September 30. The recipient will be selected by the Faculty of Engineering in consultation with the Department of Civil and Environmental Engineering. This award was established by Lloyd W. Bracewell (BESc '67).

Value: 1 at $2,000
Effective Date: May 2004 to April 2014