

**University of Windsor
Senate**

5.4.1: University of Windsor Degree Completion Programs for Study Group Foundation Diploma Graduates

Item for: **Approval**

MOTION: That the proposed degree completion programs for graduates of the Study Group Foundation diploma programs in Business, Engineering, Science, and Social Science be approved.*,**

**Negotiations with Study Group have resulted in an agreement that, at the request of the area, Study Group students can be required to complete the final examination of the equivalent University of Windsor course. Examinations may also be set, reviewed and graded by University of Windsor faculty members in the appropriate area, at the request of the area.*

***Subject to approval of the expenditures required.*

Rationale:

- The following degree completion programs for graduates of the Study Group Foundation diploma programs in Business, Engineering, Science, and Social Science are attached:
 - BComm (Honours) Business Administration
 - BComm (Honours) Business Administration with Co-op
 - BComm (Honours) Business Administration and Economics
 - BComm (Honours) Business Administration and Computer Science
 - BComm (Honours) Business Administration and Computer Science with Co-op
 - BSc (Honours) Biological Sciences (with/without thesis)
 - BSc (Honours) Physics with High Technology stream) (with/without thesis)
 - BASc in Civil Engineering (with or without Co-op)
 - BASc in Environmental Engineering (with or without Co-op)
 - BASc in Mechanical Engineering – General Option (with or without Co-op)
 - BASc in Mechanical Engineering – Automotive Option (with or without Co-op)
 - BASc in Mechanical Engineering – Engineering Materials Option (with or without Co-op)
 - BASc in Mechanical Engineering – Environmental Option (with or without Co-op)
 - BA (Honours) Psychology
 - BA (Honours) Psychology with thesis
 - BA (Honours) Developmental Psychology
 - BA (Honours) Developmental Psychology with thesis
 - BA (Honours) Political Science
 - BA (Honours) International Relations and Development Studies
- The proposed degree completion programs have been approved by the appropriate Departmental Councils and Faculty (Coordinating) Councils.
- Mathematics and Statistics has reviewed the Study Group modules for linear algebra, differential calculus and integral calculus and has agreed that students who complete these modules will have obtained the equivalent learning outcomes to 62-120/126, 62-140 and 62-141.
- Chemistry and Biochemistry has reviewed the Study Group modules for chemistry and has agreed that students who complete these modules with labs will have obtained the equivalent learning outcomes to 59-140 and 59-141. The Study Group chemistry courses must be offered with a laboratory component equivalent to first year University experience. The two Study Group chemistry courses also satisfy the requirements for the General Chemistry for Engineers, 59-110. Students successfully completing these courses and other Study Group requirements should be qualified for entry to courses for which 59-141 or 59-110 are required.
- To come: Other degree completion programs for Study Group Foundation diploma graduates in Computer Science and Economics.
- The changes that have occurred are in the contract between Study Group and the University, and not with the degree completion programs submitted by the areas listed above. Discussions have been had to address the issues raised relating to student academic preparedness and an agreement has been reached which will allow areas to require that Study Group students complete the University of Windsor final examination for relevant courses. Other arrangements have also been made to deal with facilities availability, etc. These details have been included in the draft contract. Quality assurance mechanisms are presented in a different format to provide greater clarification (in a comparison chart with those of the University's for its programs under the new quality assurance framework).

University of Windsor Degree Completion Programs for Study Group Foundation Diploma Graduates

Pathway Initiative

This initiative is designed to enhance international student recruitment and success by offering a new academic pathway to prepare international students for academic studies on our campus.

Other Goals:

- To promote international engagement as identified in the strategic plan
- To further enhance UWindsor's strong reputation for diversity
- To strengthen UWindsor's competitive foothold in overseas markets to increase enrolment, retention and ultimately, revenues
- To support the provincial government's focus on increasing international student recruitment to boost the economy, collaborate on research projects and potentially launch new trade arrangements

Similar pathway programs have proven to be successful at universities across Canada and internationally, including the United Kingdom, Australia and New Zealand.

To deliver this new pathway program, UWindsor and the faculties of Arts and Social Sciences, Business, Engineering, and Science propose to partner with Study Group, a global recruitment and marketing network engaged with nearly 200 higher education institutions. Its substantial marketing and recruitment efforts have increased the number of international students at its partner universities, including those directly entering the university's ESL and degree programs. This increase in numbers not only secures additional revenue for the partner university but often requires increases to its staffing. There is an established record of Study Group's effectiveness among some of the best universities in the UK and Australia.

Study Group's three-semester diploma programs offer international students not only a degree completion pathway, but also a supportive environment in which to acclimatize themselves to the academic use of the English language and their new social and cultural setting.

How it works:

In the first year, approximately 150 students would need to qualify for the program through international recruitment efforts. As campus residents, they become immersed in the Canadian culture and are taught English as a second language as well as courses leading to a diploma in a chosen area of study. As with other degree completion and articulation agreements, all courses and course outlines are fully vetted by UWindsor and the specific faculties, schools and departments involved.

Successful completion of diploma programs with requisite grades will be recognized by UWindsor, in conjunction with the students' home country qualifications, as appropriate for entry to appropriate degrees with advance standing, generally into second-year. International student applicants understand they must successfully complete the programs with appropriate grades. This model is similar to the various articulation agreements many thousands of universities have with colleges and institutions worldwide.

Study Group Quality Assurance: Elements

Ontario Institutional Quality Assurance Process Framework

Comparable SG Elements

Consistency with **the institution's mission and academic plans.**

SG Program is consistent with the University's Strategic Plan, supporting progress on two of its key elements:

- the provision of *exceptional undergraduate experiences* that emphasize independent learning, *flexibility in degree completion pathways* and *successful year-to-year transition.*
- the promotion of *international engagement* through *student recruitment...and partnerships* that complement our research and teaching strengths.

Systematic provision of transitional programming for international students is consistent with our stated goal of "encouraging international participation and community engagement... through a commitment to equity, diversity and human rights" (Thinking Forward, Taking Action, 2010)

Program requirements and learning outcomes are clear, appropriate and align with the institution's UDLEs/GDLEs.

SG programs are developed with the close cooperation of faculties and departments, and curricular consistency is jointly determined and then subject to approval at the departmental, faculty and senate level. As with all college articulation programs, close comparison of course learning outcomes is employed to determine whether articulation between programs is acceptable. Ensuring this alignment forms one element of the quality assurance cycle.

Admission requirements are appropriately aligned with the learning outcomes established for completion of the program.

Admissions processes are determined by SG but in a manner mindful of the terms of the University's standards and expectations. SG's admissions policies will also be guided by the fact that success rates lower than 60% in two consecutive years can prompt the cancellation of the contract.

The curriculum **reflects the current state of the discipline or area of study.**

Curriculum is developed in collaboration with the faculties and departments in question and like any articulated college/university program, new SG programs are subject to review by PDC and Senate for the purposes of determining consistency with the relevant UWindsor first year program. Departments and faculties have already approved the articulations before they come to PDC and Senate. All programs are subject to annual review and a five-year cycle of re-approval, both involving assessment by all stakeholders as well as external reviewers, which will among other things ensure continued alignment and currency of programming. Changes to programs are made by the Academic Management Board after consideration by the relevant departments concerned with the curriculum content, and are subject to approval by the Steering Group. These programs will therefore remain in close consistency with the level of currency of UWindsor first-year programming.

Evidence of **significant innovation or creativity in the content and/or delivery of the program relative to other such programs.**

Mode(s) of delivery meet the program's identified learning outcomes and are **appropriate and effective.**

Methods for assessing student achievement of the defined learning outcomes are **appropriate and effective.**

Means of assessment clearly demonstrate achievement of the program learning objectives

Appropriateness and effectiveness of the academic unit's use of existing human, physical and financial resources in delivering its program(s).

The provision of systematic, holistic transitional support for international students is in itself an innovative approach to improving international student success at the university. Annual program review including analysis of qualitative and quantitative data, response to concerns raised in previous years, and review of required elements of reporting, are standard elements of continuous improvement cycles as demonstrated in the work of Fullan & Scott (2009) and Massy, Graham, Short & Zemsky (2007). The Academic Management Board also directs SG staff development, program modification and collaboration with University departments. An inventory of best practices and prominent strengths of Study Group activities is a required element of annual reporting. Course teams take part in annual critical self-reflection as one element of reporting.

Course delivery is an element of annual review, and will be considered in light of quantitative data of student success, perseverance, and other dimensions, to be identified and agreed upon by the University and Study Group. Data will be examined on a cohort basis and program by program, where possible using multi-year figures. Qualitative data including student feedback, external examiners' reports, and course-team feedback will also be included in these reports. Course delivery and assessment practices are subject to review and recommendation by the Academic Management Board (majority membership UW and including representatives from all faculties involved in a foundation diploma pathway as well as a representative of the English Language Improvement Program).

Assessment practices will be overseen by the Course Assessment Board, whose composition and terms of reference will be set out in the Operational Guide, a document determining processes of academic administration and program oversight, which is subject to the approval of the University. Membership of the Course and Program Assessment boards must be approved annually by the University. Assessment regulation will be consistent with the University's. External examiners approved by the University will also oversee assessment practices.

See above. As the goal of the program is to prepare students for successful integration into the University's programs, tracking of student success will form an element of ongoing program evaluation.

While SG is an independent organization, shared responsibility for its steering group as well as standards identified in the Operational Guide will strongly influence decision making at the University of Windsor Study Centre.

Suggested Quality Indicators (IQAP)	Comparable SG Elements
<p>a) Faculty: qualifications, research and scholarly record; class sizes; percentage of classes taught by permanent or non-permanent (contractual) faculty; numbers, assignments and qualifications of part-time or temporary faculty;</p> <p>b) Students: applications and registrations; attrition rates; time-to-completion; final-year academic achievement; graduation rates; academic awards; student in-course reports on teaching;</p> <p>c) Graduates: rates of graduation, employment six months and two years after graduation, postgraduate study, "skills match" and alumni reports on program quality when available</p> <p>Quality enhancement initiatives Initiatives taken to enhance the quality of the program and the associated learning and teaching environment.</p>	<p>Qualifications of instructors will be delineated in the Operational Guide (which will be developed by a working group co-chaired by the Provost, and which must be approved by the University). As well, SG acknowledges that instructor quality is and will be a central concern for the University. In the case of OSB, for example, SG has agreed to comply with the required competencies and training required for sessional hire by that faculty. Key staff competencies will form an element of the approval and re-approval process.</p> <p>Maximum class size 25.</p> <p>Quantitative and qualitative data analysis will form a key element of annual and re-approval review, including the categories to the left as determined by the working group on the Operational Guide and approved by Senate. Progress on annual recommendations must be reported in the subsequent annual report, and on a five-year basis, programs will not be permitted to continue or begin until all recommendations from Re-Approval Panel have been satisfactorily fulfilled.</p> <p>While students from this program are not graduating into the work force per se, the assessment, management and steering boards will closely monitor continuation and success rates, as well as appropriateness of it between the SG programs and the University's. Unlike a standard articulation agreement with a college, this program is intended solely to prepare students for a University of Windsor program, and therefore fit is of utmost important to the SG organizers and instructors.</p> <p>As noted above, SG reports annually on best and innovative practices with the intention of potentially encouraging the adoption these effective practices on campus. The Academic Management Board (interdisciplinary and majority UWindsor) considers and plans staff development initiatives and potential collaboration and interaction with participating department and faculties.</p>

Fullan, M., & Scott, G. (2009). *Turnaround leadership for higher education*. San Francisco: Jossey-Bass.

Massy, W., Graham, S., Short, P., & Zemsky, R. (2007). *Academic quality work: A handbook for improvement*. San Francisco: Jossey-Bass

Quality Assurance Process Elements Comparison

Ontario Institutional Quality Assurance Framework

SG Framework

<p>Program Self-Study</p> <ul style="list-style-type: none"> • Consistency of program’s learning outcomes with the institution’s mission and UDLEs • Graduate outcomes • Program related data and measures of performance including external standards as appropriate • Integrity of data • Review criteria and quality indicators • Concerns and recommendation from previous reviews • Areas identified as requiring improvement • Areas that hold promise for enhancement • Academic services contributing to academic quality of program • Multi-stakeholder involvement in process 	<p>Annual</p> <p>Yes</p> <p>Yes</p> <p>Yes</p> <p>Yes</p> <p>Yes</p> <p>Yes</p> <p>Yes</p> <p>Best practices and innovations?</p> <p>Not in report but part of ongoing work of Academic Management Board</p> <p>Yes</p>
<p>External Evaluation</p>	<p>Yes – annually</p>
<p>Internal Responses</p>	<p>Yes</p>
<p>Institutional Perspective and Final Assessment Report</p>	<p>Yes</p>
<p>University Governance Procedures</p>	<p>Yes</p>
<p>Summary of outcomes communicated to public and external governance bodies</p>	<p>No</p>
<p>Implementation and Ongoing Monitoring</p>	<p>Yes</p>
<p>Begin next cycle of review within 8 years</p>	<p>Re-Approval on a five-year cycle (beginning eighteen months before the end of the cycle.</p>
<p>No equivalent provision</p>	<p>Multiple oversight committees involving stakeholders</p>
<p>No equivalent provision</p>	<p>Annual self-evaluation and reporting based on collaboratively developed QA framework</p>
<p>No equivalent provision</p>	<p>Instructional team meetings and critical reflection informing management team planning of instructional development programming</p>
<p>No equivalent provision</p>	<p>Integrated multi-disciplinary and academic skills planning</p>

SG Committee Roles and Membership

Name of Committee	Responsibilities	Membership
Operational Guide Working Group	Establishes operational framework (Guide) for study centre, including Procedures for approval of and modifications to SG programs Qualifications of teaching staff Requirements and procedures for external program examination Requirements and procedures for student assessment and evaluation Requirements and procedures for annual review and monitoring reports Requirements and procedures for the disposition of academic integrity complaints, student complaint, and student academic appeals.	Co-chaired by Provost and SG representative
Course and Program Assessment Boards Evaluation and planning	Monitors and evaluates programs Produces evaluative assessment board report including external examiner report Proposes new study group programs and courses, academic regulations, procedures, and policies	Board Membership approved by University annually Chaired by the Centre Director, with a nominated member of the faculty invited
Academic Management Board Management of Academic Matters	Reviews annual report and action plan Reviews Assessment Board reports Reviews new/revised SG programs following consideration by relevant departments Focuses on SG staff development, program modification, role of University of Windsor departments in Study Group study centre experience	Representatives of participating faculties, the English Language Improvement Program, University administration and Study Group (majority from University of Windsor)
Steering Group Oversight and operations	Reviews and approves new programs and courses, annual report, action plan, changes to annual reporting. Submission of reports to University body. Responsible for oversight of building preparation, resourcing, marketing, student recruitment, welfare, progression, accommodation, quality and cost issues, quality of delivery and continued appropriateness of diploma programs, and exploration of further possible developments.	Equal Representation From the University & Study Group Chaired alternately by representative from SG and representative from University
Re-approval Panel Determination of conditions for program re-approval (cyclical)	Receives report from: <ul style="list-style-type: none"> • Each area with Foundation Diploma pathway • Director of centre • Steering Group Determines conditions for re-approval of SG programs Submits reports to senate	Chaired by the Provost or delegate and shall be composed of representatives of each of the Faculties for which there is a foundation diploma pathway. The Provost may appoint up to two members at-large to the re-approval panel. The Panel will also normally include a member external to both parties.

Proposed Degree Completion for Study Group Graduates

A: Basic Information

FACULTY:	Business Administration
AAU:	
Study Group Program:	Foundation Diploma in Business
Degree Completion Title:	Bachelor of Commerce (Honours Business Administration) for Study Group Graduates
Proposed Year of Implementation:	Fall 2011

B: Review of Study Group's Program

The department and the Faculty have reviewed Study Group's Foundation Diploma program and note that successful diploma holders will be well-prepared for admission to the degree completion program defined below.

C: The Program Details

Admission Requirements

Students will normally enter the Bachelor of Commerce (Honours Business Administration) degree completion program after completing the Foundation Diploma program in Business with a cumulative average in the B range, provided they meet the University's English language entry requirements.

Program Curriculum Structure/Program of Study

Diploma graduates will normally have to complete the following courses in order to fulfill the requirements of the Bachelor of Commerce (Honours Business Administration):

Total courses: 31 (with no more than 7 courses at the 100-level)

Major Requirements: 70-255, 71-240, 71-243, 72-270, 72-271, 73-213, 73-220, 73-331, 74-231, 75-397, 75-498, 71-300; eight additional business courses

Other requirements: five additional courses from outside of the Odette School of Business; six courses from any area of study including Business.

Recommended options (if any):

Students wishing a stronger Mathematics background or wishing to concentrate in finance should take 62-140. Students may opt to take 62-130 in place of 62-140 but are cautioned that 62-130 is not a prerequisite for upper-level Mathematics courses.

Standing Required for Continuation in Program

Same as the standing required for continuation in the BComm (Honours Business Administration) program.

Standing Required for Graduation

Same as the standing required for graduation in the BComm (Honours Business Administration) program.

Proposed Degree Completion for Study Group Graduates

A: Basic Information

FACULTY:	Business Administration
AAU:	
Study Group Program:	Foundation Diploma in Business
Degree Completion Title:	Bachelor of Commerce (Honours Business Administration with Co-op) for Study Group Graduates
Proposed Year of Implementation:	Fall 2011

B: Review of Study Group's Program

The department and the Faculty have reviewed Study Group's Foundation Diploma program and note that successful diploma holders will be well-prepared for admission to the degree completion program defined below.

C: The Program Details

Admission Requirements

Students will normally enter the Bachelor of Commerce (Honours Business Administration with Co-op) degree completion program after completing the Foundation Diploma program in Business with a cumulative average in the B range, provided they meet the University's English language entry requirements.

Program Curriculum Structure/Program of Study

Diploma graduates will normally have to complete the following courses in order to fulfill the requirements of the Bachelor of Commerce (Honours Business Administration with Co-op):

Total courses: 34 (with no more than 7 courses at the 100-level)

Major Requirements: 70-255, 71-240, 71-243, 72-270, 72-271, 73-213, 73-220, 73-331, 74-231, 75-397, 75-498, 71-300; 75-205, 75-305, 75-405; eight additional business courses

Other requirements: five additional courses from outside of the Odette School of Business; six courses from any area of study including Business.

Recommended options (if any):

Students wishing a stronger Mathematics background or wishing to concentrate in finance should take 62-140. Students may opt to take 62-130 in place of 62-140 but are cautioned that 62-130 is not a prerequisite for upper-level Mathematics courses.

Standing Required for Continuation in Program

Same as the standing required for continuation in the BComm (Honours Business Administration with Co-op) program.

Standing Required for Graduation

Same as the standing required for graduation in the BComm (Honours Business Administration with Co-op) program.

Proposed Degree Completion for Study Group Graduates

A: Basic Information

FACULTY:	Business Administration
AAU:	
Study Group Program:	Foundation Diploma in Business
Degree Completion Title:	Bachelor of Commerce (Honours Business Administration and Economics) for Study Group Graduates
Proposed Year of Implementation:	Fall 2011

B: Review of Study Group's Program

The department and the Faculty have reviewed Study Group's Foundation Diploma program and note that successful diploma holders will be well-prepared for admission to the degree completion program defined below.

C: The Program Details

Admission Requirements

Students will normally enter the Bachelor of Commerce (Honours Business Administration and Economics) degree completion program after completing the Foundation Diploma program in Business (with option courses in Economics) with a cumulative average in the B range, provided they meet the University's English language entry requirements.

Program Curriculum Structure/Program of Study

Diploma graduates will normally have to complete the following courses in order to fulfill the requirements of the Bachelor of Commerce (Honours Business Administration and Economics):

Total courses: 32 (with no more than 7 courses at the 100-level)

Major Requirements – Business: 70-255, 71-240, 71-243, 72-270, 72-271, 73-213, 73-220, 73-331, 74-231, 75-397, 75-498, 71-300, plus five additional business courses.

Major Requirements – Economics: 41-212 (or 65-251), 41-221, 41-222, 41-231 and 41-232; plus six additional economics courses, at least 4 of which have to be at the 300 level or above.

Other Requirements: 65-205 (or 65-250) and three courses from outside of business or economics.

Recommended options (if any):

Students wishing a stronger Mathematics background or wishing to concentrate in finance should take 62-140. Students may opt to take 62-130 in place of 62-140 but are cautioned that 62-130 is not a prerequisite for upper-level Mathematics courses.

Standing Required for Continuation in Program

Same as the standing required for continuation in the BComm (Honours Business Administration and Economics) program.

Standing Required for Graduation

Same as the standing required for graduation in the BComm (Honours Business Administration and Economics) program.

Proposed Degree Completion for Study Group Graduates

A: Basic Information

FACULTY:	Business Administration
AAU:	
Study Group Program:	Foundation Diploma in Business
Degree Completion Title:	Bachelor of Commerce (Honours Business Administration and Computer Science) for Study Group Graduates
Proposed Year of Implementation:	Fall 2011

B: Review of Study Group's Program

The department and the Faculty have reviewed Study Group's Foundation Diploma program and note that successful diploma holders will be well-prepared for admission to the degree completion program defined below.

C: The Program Details

Admission Requirements

Students will normally enter the Bachelor of Commerce (Honours Business Administration and Computer Science) degree completion program after completing the Foundation Diploma program in Business (with option courses in Computer Science) with a cumulative average in the B range, provided they meet the University's English language entry requirements.

Program Curriculum Structure/Program of Study

Diploma graduates will normally have to complete the following courses in order to fulfill the requirements of the Bachelor of Commerce (Honours Business Administration and Computer Science):

Total courses: 33(with no more than 7 courses at the 100-level)

Major Requirements – Business: 70-255, 71-240, 71-243, 72-270, 72-271, 73-220, 73-331, 74-231, 75-397, 75-498, 71-300; plus five business electives.

Major requirements - Computer Science: 60-100, 60-140, 60-141, 60-212, 60-254, 60-256, 60-265, 60-315, 60-330, 60-334, 60-367, plus three 300-level or above Computer Science courses.

Other requirements: 62-120, 62-140 (or 62-130), and 65-205.

Recommended options (if any):

Students who substitute 62-130 in place of 62-140 are cautioned that 62-130 is not a prerequisite for upper-level Mathematics courses.

Standing Required for Continuation in Program

Same as the standing required for continuation in the BComm (Honours Business Administration and Computer Science) program.

Standing Required for Graduation

Same as the standing required for graduation in the BComm (Honours Business Administration and Computer Science) program.

Proposed Degree Completion for Study Group Graduates

A: Basic Information

FACULTY:	Business Administration
AAU:	
Study Group Program:	Foundation Diploma in Business
Degree Completion Title:	Bachelor of Commerce (Honours Business Administration and Computer Science with Co-op) for Study Group Graduates
Proposed Year of Implementation:	Fall 2011

B: Review of Study Group's Program

The department and the Faculty have reviewed Study Group's Foundation Diploma program and note that successful diploma holders will be well-prepared for admission to the degree completion program defined below.

C: The Program Details

Admission Requirements

Students will normally enter the Bachelor of Commerce (Honours Business Administration and Computer Science with Co-op) degree completion program after completing the Foundation Diploma program in Business (with option courses in Computer Science) with a cumulative average in the B range, provided they meet the University's English language entry requirements.

Program Curriculum Structure/Program of Study

Diploma graduates will normally have to complete the following courses in order to fulfill the requirements of the Bachelor of Commerce (Honours Business Administration and Computer Science with Co-op):

Total courses: 36 (with no more than 7 courses at the 100-level)

Major Requirements – Business: 70-255, 71-240, 71-243, 72-270, 72-271, 73-220, 73-331, 74-231, 75-397, 75-498, 71-300; 75-205, 75-305, 75-405; plus five business electives.

Major requirements - Computer Science: 60-100, 60-140, 60-141, 60-212, 60-254, 60-256, 60-265, 60-315, 60-330, 60-334, 60-367, plus three 300-level or above Computer Science courses.

Other requirements: 62-120, 62-140 (or 62-130), and 65-205.

Recommended options (if any):

Students who substitute 62-130 in place of 62-140 are cautioned that 62-130 is not a prerequisite for upper-level Mathematics courses.

Standing Required for Continuation in Program

Same as the standing required for continuation in the BComm (Honours Business Administration and Computer Science with Co-op) program.

Standing Required for Graduation

Same as the standing required for graduation in the BComm (Honours Business Administration and Computer Science with Co-op) program.

Proposed Degree Completion for Study Group Graduates

A: Basic Information

FACULTY:	Science
AAU:	Biological Sciences
Study Group Program:	Foundation Diploma Program in Science
Degree Completion Title:	BSc (Honours) Biological Sciences (with/without thesis) for Study Group Graduates
Proposed Year of Implementation:	Fall 2011

B: Review of Study Group's Program

The department and the Faculty have reviewed Study Group's Foundation Diploma program and note that successful diploma holders will be well-prepared for admission to the degree completion program defined below.

C: The Program Details

Admission Requirements

Students will normally enter the Bachelor of Science degree completion program after completing the Foundation Diploma program in Science with a cumulative average in the B range, provided they meet the University's English language entry requirements.

To be eligible for admission into the second year of B.Sc. (Honours Biological Sciences) program, Study Group graduates of the diploma foundation program in Science are expected to have completed the equivalent of 10 course credits, including 55-140, 55-141, 59-140, 59-141, 62-130 and two credits from either 64-130 and 64-131; 64-140 and 64-141, 67-100 and 67-102; 60-104 or 60-106 and 60-205; 60-140 and 60-141 or 61-140 and 61-141).

Program Curriculum Structure/Program of Study

Diploma graduates will normally have to complete the following courses in order to fulfill the requirements of the Bachelor of Science (Honours) Biological Sciences with/without thesis:

Total courses: 30 (with no more than 7 courses at the 100-level)

Major requirements: 55-210, 55-211, 55-213, 55-341; 9 Biology courses (3rd and 4th year); and 5 Biology courses at either a 2nd, 3rd, or 4th year level. (Recommended: 55-238 and 55-320.) Students interested in completing a thesis must take 55-420.*

*It should be noted that only students who have maintained a major G.P.A. of 8.0 and a cumulative G.P.A of 5.0 will be permitted to enroll in 55-420.

Other requirements:

- (a) 59-230, 59-261, 65-205.
- (b) six other science courses, including Biology (at least two at 300 level) (excluding 41-** courses)
- (c) three Arts/Languages or Social Science courses, with at least one from each

**41- courses will be counted as Social Science courses.

Standing Required for Continuation in Program

Same as the standing required for continuation in the B.Sc. (Honours Biological Sciences) program.

Standing Required for Graduation

Same as the standing required for graduation in the B.Sc. (Honours Biological Sciences) program.

Proposed Degree Completion for Study Group Graduates

A: Basic Information

FACULTY:	Science
AAU:	Physics
Study Group Program:	Foundation Diploma program in Science
Degree Completion Title:	Honours Physics with High Technology option for Study Group Graduates
Proposed Year of Implementation:	Fall 2011

B: Review of Study Group's Program

The department and the Faculty have reviewed Study Group's Foundation Diploma program and note that successful diploma holders will be well-prepared for admission to the degree completion program defined below.

C: The Program Details

Admission Requirements

Students will normally enter the Bachelor of Science in Physics (with High Technology stream) degree completion program after completing the Foundation Diploma program in *Science* including the equivalents to 64-140 and 141, 62-120, 62-140 and 62-141, with a cumulative average in the B range, provided they meet the University's English language entry requirements. First-year courses in Chemistry (59-140/141) and Computer Science (60-140) will also be needed before graduating with a BSc Honours Physics (Physics and High Technology) degree but are not required for admission to second year physics.

Program Curriculum Structure/Program of Study

Diploma graduates will normally have to complete the following courses in order to fulfill the requirements of the Bachelor Science in Honours Physics (with High Technology stream):

Total courses: 30 (with no more than 7 courses at the 100-level)

Major requirements: (a) 64-151, 64-220, 64-222, 64-250, 64-310, 64-311, 64-320, 64-323, 64-350, 64-431, 64-450, 64-460, 64-484 and 64-496.

(b) full-time research project (64-412, 9.0 credit hours) if pursuing the thesis option** or three additional B.Sc., B.A.Sc., or B.Comm. credit courses at the 200 level or higher in Science, Engineering, or Business Administration that are approved by the Physics Head or delegate.

Other requirements:

(a) 59-240, 62-215, 62-216, 62-318, 62-360, 85-234, 88-217 or 60-265.

(b) 70-151 or 75-100, plus two other Science or Engineering courses, excluding those courses that cannot be used to fulfill the major requirements in Science and Engineering programs.

(c) three additional B.Sc., B.A.Sc., or B.Comm. credit courses at the 200 level or higher in Science, Engineering, or Business Administration that are approved by the Physics Head or delegate.

(d) additional Arts (01-), Social Sciences (02-), and/or Business Administration (04-) to a total of thirty courses.

**Only students who have maintained a major average of 8.0 and a cumulative average of 5.0 will be permitted to enrol in 64-412.

Standing Required for Continuation in Program

Same as the standing required for continuation in the Honours Physics (with High Technology stream) program.

Standing Required for Graduation

Same as the standing required for graduation in the Honours Physics (with High Technology stream) program.

Proposed Degree Completion for Study Group Graduates

A: Basic Information

FACULTY:	Engineering
AAU:	Civil and Environmental Engineering
Study Group Program:	Foundation Diploma in Engineering
Degree Completion Title:	BASc in Civil Engineering for Study Group Graduates
Proposed Year of Implementation:	Fall 2011

B: Review of Study Group's Program

The department and the Faculty have reviewed Study Group's Foundation Diploma program in Engineering and note that successful diploma holders will be well-prepared for admission to the degree completion program defined below. This decision was based on the assurances from the University Administration that the Faculty of Engineering reserves the right to review, set, and grade the exams for the SG students in the engineering courses (85-133, 85-120, 85-111) and that they are taught by instructors holding a P.Eng. designation.

C: The Program Details

Admission Requirements

Students will normally enter the Bachelor of Applied Science in Civil Engineering (with/without Co-op) degree completion program after completing the Foundation Diploma program in Engineering with a cumulative average in the B range, provided they meet the University's English language entry requirements.

Program Curriculum Structure/Program of Study

Diploma graduates will normally have to complete the following courses in order to fulfill the requirements of the Bachelor of Applied Science in Civil Engineering (with/without Co-op):

Total courses: 35 (or 38 with Co-op)

SECOND YEAR

Year 2 - Fall Term (Semester 3)

85-232. Engineering Software Fundamentals
85-234. Electrical and Computing Fundamentals
85-250. Engineering and the Environment
92-210. Dynamics
62-215. Vector Calculus
Non-Technical Elective

Year 2 - Winter Term (Semester 4)

85-218. Mechanics of Deformable Bodies
85-222. Treatment of Experimental Data
87-220. Civil Engineering Information Systems
87-219. Materials in Civil and Environmental Engineering
92-222. Analysis of Engineering Systems
62-216. Differential Equations

Year 2 - Summer Term (Co-op students only)

85-298. (Work Term II)

THIRD YEAR

Students must have completed at least nine (9) of their 2nd year courses before being allowed to register into the 3rd year courses.

Year 3 - Fall (Semester 5)

87-351 Fluid Mechanics
87-352 Stress Analysis
87-353 Structural Analysis

87-354 Concrete Design
87-355 Geotechnical Engineering I
85-313 Engineering Economy

Year 3 - Summer (Semester 6)

87-361 Masonry and Concrete Design
87-362 Finite Element For Analysis and Design
87-363 Geotechnical Engineering II
87-364 Structural Steel Design
87-365 Transportation and Traffic Engineering

Year 3 - Summer Term (Co-op students Only)

85-398. Work Term III

FOURTH YEAR

Students cannot register into any of the 4th year courses until they have completed nine (9) 3^d year Civil Engineering courses and all courses from 2nd year.

Year 4 – Fall Term (Co-op students only)

85-498. Work Term IV

Year 4 - Winter (Semester 7)

87-400 Capstone Design
93-471 Water Distribution and Wastewater Collection Systems
87-471 Hydrology
87-472 Hydraulics
93-363 Water and Wastewater Treatment
Non-Technical Elective

Year 4 - Summer (Semester 8)

87-400 Capstone Design
87-481 Highway Design and Construction
85-421 Engineering and Society
87-482 Plan and Construction Management
Technical Elective (1)
Technical Elective (2)

Technical Electives:

87-491 Foundation Engineering
87-492 Advanced Topics in Structural Design
87-493 Hydrological and Hydraulic Modeling
87-494 Transportation Systems Analysis
93-481 Sustainability in Engineering
93-482 Hydrogeological Engineering

Standing Required for Continuation in Program

Same as the standing required for continuation in the BAsC in Civil Engineering program.

Standing Required for Graduation

Same as the standing required for graduation in the BAsC in Civil Engineering program.

Proposed Degree Completion for Study Group Graduates

A: Basic Information

FACULTY:	Engineering
AAU:	Civil and Environmental Engineering
Study Group Program:	Foundation Diploma in Engineering
Degree Completion Title:	BASc in Environmental Engineering for Study Group Graduates
Proposed Year of Implementation:	Fall 2011

B: Review of Study Group's Program

The department and the Faculty have reviewed Study Group's Foundation Diploma program in Engineering and note that successful diploma holders will be well-prepared for admission to the degree completion program defined below. This decision was based on the assurances from the University Administration that the Faculty of Engineering reserves the right to review, set, and grade the exams for the SG students in the engineering courses (85-133, 85-120, 85-111) and that they are taught by instructors holding a P.Eng. designation.

C: The Program Details

Admission Requirements

Students will normally enter the Bachelor of Applied Science in Environmental Engineering (with/without Co-op) degree completion program after completing the Foundation Diploma program in Engineering with a cumulative average in the B range, provided they meet the University's English language entry requirements.

Program Curriculum Structure/Program of Study

Diploma graduates will normally have to complete the following courses in order to fulfill the requirements of the Bachelor of Applied Science in Environmental Engineering (with/without Co-op):

Total courses: 35 (or 38 with Co-op)

SECOND YEAR

Year 2 - Fall Term (Semester 3)

85-232. Engineering Software Fundamentals
85-234. Electrical and Computing Fundamentals
85-250. Engineering and the Environment
92-210. Dynamics
62-215. Vector Calculus
Non-Technical Elective

Year 2 - Winter Term (Semester 4)

85-218. Mechanics of Deformable Bodies
85-222. Treatment of Experimental Data
87-220. Civil Engineering Information Systems
87-219. Materials in Civil and Environmental Engineering
92-222. Analysis of Engineering Systems
62-216. Differential Equations

Year 2 - Summer Term (Co-op students only)

85-298. (Work Term II)

THIRD YEAR

Students must have completed at least nine (9) of their 2nd year courses before being allowed to register into the 3rd year courses.

Year 3 - Fall (Semester 5)

85-313. Engineering Economy
87-351. Fluid Mechanics
87-352. Stress Analysis
87-355. Geotechnical Engineering I

93-351. Thermodynamics
93-352. Environmental Chemical Analysis

Year 3 – Winter (Semester 6)

55-140. Biological Diversity
87-471. Hydrology
93-361. Transport Phenomena
93-362. Air Pollution Control
93-363. Water/Wastewater Treatment
93-364. Materials Recovery/Waste Management

Year 3 - Summer Term (Co-op students Only)

85-398. Work Term III

FOURTH YEAR

Students cannot register into any of the 4th year courses until they have completed nine (9) 3^d year Civil Engineering courses and all courses from 2nd year.

Year 4 – Fall Term (Co-op students only)

85-498. Work Term IV

Year 4 - Winter (Semester 7)

87-472. Hydraulics
93-400. Capstone Design
93-471. Water Dist./Wastewater Coll.
93-472. Chemical Reaction Engineering
93-473. Environmental Engineering Microbiology
Non-Technical Elective

Year 4 - Summer (Semester 8)

85-421. Engineering and Society
93-400. Capstone Design
93-481. Sustainability in Engineering
93-482. Hydrogeological Engineering
Technical Elective

Technical Electives:

87-363. Geotechnical Engineering II
87-365. Transportation Planning
87-482. Planning and Construction Management
92-324. Engineering Measurements
92-328. Heat Transfer
92-455. Environmental Effects and Control of Noise

Standing Required for Continuation in Program

Same as the standing required for continuation in the BAsc in Environmental Engineering program.

Standing Required for Graduation

Same as the standing required for graduation in the BAsc in Environmental Engineering program.

Proposed Degree Completion for Study Group Graduates

A: Basic Information

FACULTY:	Engineering
AAU:	Mechanical, Automotive and Materials Engineering
Study Group Program:	Foundation Diploma in Engineering
Degree Completion Title:	BASc in Mechanical Engineering for Study Group Graduates
Proposed Year of Implementation:	Fall 2011

B: Review of Study Group's Program

The department and the Faculty have reviewed Study Group's Foundation Diploma program in Engineering and note that successful diploma holders will be well-prepared for admission to the degree completion program defined below. This decision was based on the assurances from the University Administration that the Faculty of Engineering reserves the right to review, set, and grade the exams for the SG students in the engineering courses (85-133, 85-120, 85-111) and that they are taught by instructors holding a P.Eng. designation.

C: The Program Details

Admission Requirements

Students will normally enter the Bachelor of Applied Science in Mechanical Engineering – General option (with/without Co-op) degree completion program after completing the Foundation Diploma program in Engineering with a cumulative average in the B range, provided they meet the University's English language entry requirements.

Program Curriculum Structure/Program of Study

Diploma graduates will normally have to complete the following courses in order to fulfill the requirements of the Bachelor of Applied Science in Mechanical Engineering – General option (with/without Co-op):

Total courses: 36 (or 39 with Co-op)

SECOND YEAR

Fall Term

62-215. Vector Calculus
85-232. Engineering Software Fundamentals
85-234. Electrical and Computing Fundamentals
92-210. Dynamics
85-250. Engineering and the Environment
91-201. Engineering Management and Globalization

Winter Term

62-216. Differential Equations
85-219. Introduction Engineering Materials
85-222. Treatment of Experimental Data
92-222. Analysis of Engineering Systems
85-230. Advanced Engineering and Design
85-218. Mechanics of Deformable Bodies

Summer Term (Co-op students only)

85-298. Work Term II

THIRD YEAR

Fall Term

85-212. Thermodynamics I
85-233. Fluid Mechanics I
85-313. Engineering Economics
92-311. Stress Analysis I

92-323.Machine Dynamics
Non-Technical Elective

Winter Term (Co-op students only)

85-398.Work Term III

Summer Term

92-317.Applied Thermodynamics
92-320.Fluid Mechanics II
92-459. Computer Aided Engineering - CAE
92-421. Machine Design II
92-328.Heat Transfer
Non-Technical Elective

FOURTH YEAR

Fall Term (Co-op students only)

85-498.Work Term IV

Winter Term

92-418. Thermosfluid Systems Design
92-400.Capstone Design
92-411.Machine Design I
Technical Elective
Technical Elective
Technical Elective

Summer Term

92-321. Control Theory I
92-324.Engineering. Measurements
85-421.Engineering and Society
92-400.Capstone Design
Technical Elective
Technical Elective

MECHANICAL TECHNICAL ELECTIVES

1. All technical electives must be engineering courses at or above the 300 level; maximum of 2 at the 300 level.
2. Minimum of 4 courses numbered 92-XXX.
3. Maximum of 2 courses numbered 89-XXX or 94-XXX.
4. Maximum 1 course in a different engineering program.

NON-TECHNICAL ELECTIVES

Non-technical electives must be selected from the approved list in the Undergraduate Calendar.

Standing Required for Continuation in Program

Same as the standing required for continuation in the BAsC in Mechanical Engineering – General option program.

Standing Required for Graduation

Same as the standing required for graduation in the BAsC in Mechanical Engineering – General option program.

Proposed Degree Completion for Study Group Graduates

A: Basic Information

FACULTY:	Engineering
AAU:	Mechanical, Automotive and Materials Engineering
Study Group Program:	Foundation Diploma in Engineering
Degree Completion Title:	BASc in Mechanical Engineering (with Automotive Option) for Study Group Graduates
Proposed Year of Implementation:	Fall 2011

B: Review of Study Group's Program

The department and the Faculty have reviewed Study Group's Foundation Diploma program in Engineering and note that successful diploma holders will be well-prepared for admission to the degree completion program defined below. This decision was based on the assurances from the University Administration that the Faculty of Engineering reserves the right to review, set, and grade the exams for the SG students in the engineering courses (85-133, 85-120, 85-111) and that they are taught by instructors holding a P.Eng. designation.

C: The Program Details

Admission Requirements

Students will normally enter the Bachelor of Applied Science in Mechanical Engineering – Automotive option (with/without Co-op) degree completion program after completing the Foundation Diploma program in Engineering with a cumulative average in the B range, provided they meet the University's English language entry requirements.

Program Curriculum Structure/Program of Study

Diploma graduates will normally have to complete the following courses in order to fulfill the requirements of the Bachelor of Applied Science in Mechanical Engineering – Automotive option (with/without Co-op):

Total courses: 36 (or 39 with Co-op)

SECOND YEAR

Fall Term

62-215. Vector Calculus
85-232. Engineering Software Fundamentals
85-234. Electrical and Computing Fundamentals
92-210. Dynamics
85-250. Engineering and the Environment
91-201. Engineering Management and Globalization

Winter Term

62-216. Differential Equations
85-219. Introduction Engineering Materials
85-222. Treatment of Experimental Data
92-222. Analysis of Engineering Systems
85-230. Advanced Engineering and Design
85-218. Mechanics of Deformable Bodies

Summer Term (Co-op students only)

85-298. Work Term II

THIRD YEAR

Fall Term

85-212. Thermodynamics I
85-233. Fluid Mechanics I
92-311. Stress Analysis I

85-313.Engineering Economics
92-323. Machine Dynamics
Non-Technical Elective

Winter Term (Co-op students only)

85-398.Work Term III

Summer Term

92-317.Applied Thermodynamics
92-320.Fluid Mechanics II
92-459. Computer Aided Engineering - CAE
92-421. Machine Design II
92-328. Heat Transfer
94-330. Automotive Engineering Fundamentals

FOURTH YEAR

Fall Term (Co-op students only)

85-498.Work Term IV

Winter Term

92-418. Thermosfluid Systems Design
92-400.Capstone Design
92-411. Machine Design I
94-463. Vehicle Dynamics
94-467. Vehicle Thermal Management
Technical Elective

Summer Term

92-321. Control Theory I
92-324. Engineering. Measurements
85-421. Engineering and Society
92-400. Capstone Design
94-465. Internal Combustion Engines
Technical Elective

AUTOMOTIVE TECHNICAL ELECTIVES

1. All technical electives must be engineering courses at or above the 300 level; maximum of 1 at the 300 level.
2. Technical Electives are to be selected from courses within the department.
3. Written approval from the Department Head is required to select a maximum of 1 technical elective outside of department.

NON-TECHNICAL ELECTIVES

Non-technical electives must be selected from the approved list in the Undergraduate Calendar.

Standing Required for Continuation in Program

Same as the standing required for continuation in the BAsC in Mechanical Engineering – Automotive option program.

Standing Required for Graduation

Same as the standing required for graduation in the BAsC in Mechanical Engineering – Automotive option program.

Proposed Degree Completion for Study Group Graduates

A: Basic Information

FACULTY:	Engineering
AAU:	Mechanical, Automotive and Materials Engineering
Study Group Program:	Foundation Diploma in Engineering
Degree Completion Title:	BASc in Mechanical Engineering (with Engineering Materials Option) for Study Group Graduates
Proposed Year of Implementation:	Fall 2011

B: Review of Study Group's Program

The department and the Faculty have reviewed Study Group's Foundation Diploma program in Engineering and note that successful diploma holders will be well-prepared for admission to the degree completion program defined below. This decision was based on the assurances from the University Administration that the Faculty of Engineering reserves the right to review, set, and grade the exams for the SG students in the engineering courses (85-133, 85-120, 85-111) and that they are taught by instructors holding a P.Eng. designation.

C: The Program Details

Admission Requirements

Students will normally enter the Bachelor of Applied Science in Mechanical Engineering – Engineering Materials option (with/without Co-op) degree completion program after completing the Foundation Diploma program in Engineering with a cumulative average in the B range, provided they meet the University's English language entry requirements.

Program Curriculum Structure/Program of Study

Diploma graduates will normally have to complete the following courses in order to fulfill the requirements of the Bachelor of Applied Science in Mechanical Engineering – Engineering Materials option (with/without Co-op):

Total courses: 36 (or 39 with Co-op)

SECOND YEAR

Fall Term

62-215. Vector Calculus
85-232. Engineering Software Fundamentals
85-234. Electrical and Computing Fundamentals
92-210. Dynamics
85-250. Engineering and the Environment
91-201. Engineering Management and Globalization

Winter Term

62-216. Differential Equations
85-219. Introduction Engineering Materials
85-222. Treatment of Experimental Data
92-222. Analysis of Engineering Systems
85-230. Advanced Engineering and Design
85-218. Mechanics of Deformable Bodies

Summer Term (Co-op students only)

85-298. Work Term II

THIRD YEAR

Fall Term

85-212. Thermodynamics I
85-233. Fluid Mechanics I
92-311. Stress Analysis I
85-313. Engineering Economics

92-323 Machine Dynamics
Non-Technical Elective

Winter Term (Co-op students only)

85-398. Work Term III

Summer Term

92-317. Applied Thermodynamics
92-320. Fluid Mechanics II
92-459. Computer Aided Engineering - CAE
92-421. Machine Design II
92-328. Heat Transfer
89-330. Materials and Properties

FOURTH YEAR

Fall Term (Co-op students only)

85-498. Work Term IV

Winter Term

92-418. Thermosfluid Systems Design
92-400. Capstone Design
92-411. Machine Design I
89-420. Ceramic Materials
89-421. Deformation and Fracture
89-331. Thermodynamics and Kinetics of Materials

Summer Term

92-321. Control Theory I
92-324. Engineering. Measurements
85-421. Engineering and Society
92-400. Capstone Design
Technical Elective
Technical Elective

MATERIALS TECHNICAL ELECTIVES

1. All technical electives must be engineering courses at or above the 300 level; at least one must be at the 400 level;
2. Technical Electives are to be selected from courses numbered 89-XXX
3. Written approval from the Department Head is required to select a maximum of 1 technical elective outside of 89-XXX courses.

NON-TECHNICAL ELECTIVES

Non-technical electives must be selected from the approved list in the Undergraduate Calendar.

Standing Required for Continuation in Program

Same as the standing required for continuation in the BSc in Mechanical Engineering – Engineering Materials option program.

Standing Required for Graduation

Same as the standing required for graduation in the BSc in Mechanical Engineering – Engineering Materials option program.

Proposed Degree Completion for Study Group Graduates

A: Basic Information

FACULTY:	Engineering
AAU:	Mechanical, Automotive and Materials Engineering
Study Group Program:	Foundation Diploma in Engineering
Degree Completion Title:	BASc in Mechanical Engineering (with Environmental Option) for Study Group Graduates
Proposed Year of Implementation:	Fall 2011

B: Review of Study Group's Program

The department and the Faculty have reviewed Study Group's Foundation Diploma program in Engineering and note that successful diploma holders will be well-prepared for admission to the degree completion program defined below. This decision was based on the assurances from the University Administration that the Faculty of Engineering reserves the right to review, set, and grade the exams for the SG students in the engineering courses (85-133, 85-120, 85-111) and that they are taught by instructors holding a P.Eng. designation.

C: The Program Details

Admission Requirements

Students will normally enter the Bachelor of Applied Science in Mechanical Engineering – Environmental option (with/without Co-op) degree completion program after completing the Foundation Diploma program in Engineering with a cumulative average in the B range, provided they meet the University's English language entry requirements.

Program Curriculum Structure/Program of Study

Diploma graduates will normally have to complete the following courses in order to fulfill the requirements of the Bachelor of Applied Science in Mechanical Engineering – Environmental option (with/without Co-op):

Total courses: 36 (or 39 with Co-op)

SECOND YEAR

Fall Term

62-215. Vector Calculus
85-232. Engineering Software Fundamentals
85-234. Electrical and Computing Fundamentals
92-210. Dynamics
85-250. Engineering and the Environment
91-201. Engineering Management and Globalization

Winter Term

62-216. Differential Equations
85-219. Introduction Engineering Materials
85-222. Treatment of Experimental Data
92-222. Analysis of Engineering Systems
85-230. Advanced Engineering and Design
85-218. Mechanics of Deformable Bodies

Summer Term (Co-op students only)

85-298. Work Term II

THIRD YEAR

Fall Term

85-212. Thermodynamics I
85-233. Fluid Mechanics I
92-311. Stress Analysis I
85-313. Engineering Economics

92-323. Machine Dynamics
Non-Technical Elective

Winter Term (Co-op students only)

85-398. Work Term III

Summer Term

92-317. Applied Thermodynamics
92-320. Fluid Mechanics II
92-459. Computer Aided Engineering - CAE
92-421. Machine Design II
92-328. Heat Transfer
92-428. Sustainability in Engineering

FOURTH YEAR

Fall Term (Co-op students only)

85-498. Work Term IV

Winter Term

92-418. Thermosfluid Systems Design
92-400. Capstone Design
92-411. Machine Design I
99-218. Environmental Law
93-362. Air Pollution Control
Technical Elective

Summer Term

92-321. Control Theory I
92-324. Engineering Measurements
85-421. Engineering and Society
92-400. Capstone Design
92-455. Environmental Effects and Control of Noise
93-426. Water and Waster Water Treatment

NON-TECHNICAL ELECTIVES

Non-technical electives must be selected from the approved list in the Undergraduate Calendar.

Standing Required for Continuation in Program

Same as the standing required for continuation in the BAsC in Mechanical Engineering – Environmental option program.

Standing Required for Graduation

Same as the standing required for graduation in the BAsC in Mechanical Engineering – Environmental option program.

Proposed Degree Completion for Study Group Graduates

A: Basic Information

FACULTY:	Arts and Social Sciences
AAU:	Psychology
Study Group Program:	Foundation Diploma in Social Science
Degree Completion Title:	Bachelor of Arts (Honours Psychology) for Study Group Graduates
Proposed Year of Implementation:	Fall 2011
Date approved by council:	January 7, 2010

B: Review of Study Group's Program

The department and the Faculty have reviewed Study Group's Foundation Diploma program and note that successful diploma holders will be well-prepared for admission to the degree completion program defined below.

C: The Program Details

Admission Requirements

Students will normally enter the Bachelor of Arts (Honours Psychology) degree completion program after completing the Foundation Diploma program in *Social Science* with a cumulative average in the B range, provided they meet the University's English language entry requirements. The program must include two modules in science.

Program Curriculum Structure/Program of Study

Diploma graduates will normally have to complete the following courses in order to fulfill the requirements of the Bachelor of Arts in Honours Psychology

Total courses:

30 (with no more than 7 courses at the 100-level)

Major requirements:

Major requirements: sixteen courses, including 46-230, 46-320, 46-335 or 46-353 or 46-358. The total number of courses must include at least four 300-level courses and two 400-level courses.

Option requirements: four courses including

- (a) two courses from Arts;
- (b) two courses from any area of study, excluding Social Sciences.

Other requirements:

Other requirements:

- (a) 02-250;
- (b) five courses from any area of study, including Psychology;
- (c) four courses from any area of study, excluding Psychology.

Proposed Degree Completion for Study Group Graduates

A: Basic Information

FACULTY:	Arts and Social Sciences
AAU:	Psychology
Study Group Program:	Foundation Diploma in Social Science
Degree Completion Title:	Bachelor of Arts (Honours Developmental Psychology with Thesis) for Study Group Graduates
Proposed Year of Implementation:	Fall 2011
Date approved by council:	January 7, 2010

B: Review of Study Group's Program

The department and the Faculty have reviewed Study Group's Foundation Diploma program and note that successful diploma holders will be well-prepared for admission to the degree completion program defined below.

C: The Program Details

Admission Requirements

Students will normally enter the Bachelor of Arts (Honours Developmental Psychology with Thesis) degree completion program after completing the Foundation Diploma program in *Social Science* with a cumulative average in the B range, provided they meet the University's English language entry requirements. The program must include two modules in science.

Program Curriculum Structure/Program of Study

Diploma graduates will normally have to complete the following courses in order to fulfill the requirements of the Bachelor of Arts in Honours Developmental Psychology with thesis

Entry to the fourth year thesis course, 46-496, requires psychology and cumulative course averages of at least 9.0. Students must consult with the Psychology Undergraduate Program Chair before undertaking an Honours Developmental Psychology with Thesis program.

Total courses:

30 (with no more than 7 courses at the 100-level)

Major requirements:

Major requirements: sixteen courses, including 46-230, 46-313, 46-320, 46-331, 46-335 or 46-353 or 46-358, 46-427, 46-496 and 46-497; and at least two 200-level courses, two 300-level courses, and one 400-level course from the following list: 46-223, 46-224, 46-225, 46-322, 46-323, 46-324, 46-327, 46-421, 46-422, 46-423, 46-424, 46-425, 46-428.

Option requirements: four courses including

(a) two courses from Arts;

(b) two courses from any area of study, excluding Social Sciences.

Other requirements:

Other requirements:

(a) 02-250;

(b) five courses from any area of study, including Psychology;

(c) four courses from any area of study, excluding Psychology.

Proposed Degree Completion for Study Group Graduates

A: Basic Information

FACULTY:	Arts and Social Sciences
AAU:	Psychology
Study Group Program:	Foundation Diploma in Social Science
Degree Completion Title:	Bachelor of Arts (Honours Developmental Psychology) for Study Group Graduates
Proposed Year of Implementation:	Fall 2011
Date approved by council:	January 7, 2010

B: Review of Study Group's Program

The department and the Faculty have reviewed Study Group's Foundation Diploma program and note that successful diploma holders will be well-prepared for admission to the degree completion program defined below.

C: The Program Details

Admission Requirements

Students will normally enter the Bachelor of Arts (Honours Developmental Psychology) degree completion program after completing the Foundation Diploma program in *Social Science* with a cumulative average in the B range, provided they meet the University's English language entry requirements. The program must include two modules in science.

Program Curriculum Structure/Program of Study

Diploma graduates will normally have to complete the following courses in order to fulfill the requirements of the Bachelor of Arts in Honours Developmental Psychology

Total courses:

30 (with no more than 7 courses at the 100-level)

Major requirements:

Major requirements: sixteen courses, including 46-230, 46-320, 46-335 or 46-353 or 46-358, 46-427, and at least two 200-level courses, two 300-level courses, and **one** 400-level courses from the following list: 46-223, 46-224, 46-225, 46-322, 46-323, 46-324, 46-327, 46-421, 46-422, 46-423, 46-424, 46-425, 46-428.

Option requirements: four courses including

- (a) two courses from Arts;
- (b) two courses from any area of study, excluding Social Sciences.

Other requirements:

Other requirements:

- (a) 02-250;
- (b) five courses from any area of study, including Psychology;
- (c) four courses from any area of study, excluding Psychology.

Proposed Degree Completion for Study Group Graduates

A: Basic Information

FACULTY:	Arts and Social Sciences
AAU:	Psychology
Study Group Program:	Foundation Diploma in Social Science
Degree Completion Title:	Bachelor of Arts (Hons Psychology/thesis) for Study Group Graduates
Proposed Year of Implementation:	Fall 2011
Date approved by council:	January 7, 2010

B: Review of Study Group's Program

The department and the Faculty have reviewed Study Group's Foundation Diploma program and note that successful diploma holders will be well-prepared for admission to the degree completion program defined below.

C: The Program Details

Admission Requirements

Students will normally enter the Bachelor of Arts (Honours Psychology with thesis) degree completion program after completing the Foundation Diploma program in *Social Science* with a cumulative average in the B range, provided they meet the University's English language entry requirements. The program must include two modules in science.

Program Curriculum Structure/Program of Study

Diploma graduates will normally have to complete the following courses in order to fulfill the requirements of the Bachelor of Arts in Honours Psychology with thesis

Entry to the fourth year thesis course, 46-496, requires psychology and cumulative course averages of at least 9.0. Students must consult with the Psychology Undergraduate Program Chair before undertaking an Honours Psychology with Thesis program.

Total courses:

30 (with no more than 7 courses at the 100-level)

Major requirements: sixteen courses, including 46-230, 46-313, 46-320, 46-331, 46-335 or 46-353 or 46-358, 46-496 and 46-497. The total number of courses must include at least four 300-level courses and four 400-level courses

Option requirements: four courses including

(a) two courses from Arts;

(b) two courses from any area of study, excluding Social Sciences.

Other requirements:

Other requirements:

(a) 02-250;

(b) five courses from any area of study, including Psychology;

(c) four courses from any area of study, excluding Psychology.

Proposed Degree Completion for Study Group Graduates

A: Basic Information

FACULTY:	Arts and Social Sciences
AAU:	Political Science
Study Group Program:	Foundation Diploma in Social Science
Degree Completion Title:	Bachelor of Arts (Honours International Relations and Development Studies) for Study Group Graduates
Proposed Year of Implementation:	Fall 2011
Date approved by council:	January 8, 2010

B: Review of Study Group's Program

The department and the Faculty have reviewed Study Group's Foundation Diploma program and note that successful diploma holders will be well-prepared for admission to the degree completion program defined below.

C: The Program Details

Admission Requirements

Students will normally enter the Bachelor of Arts (Honours International Relations and Development Studies) degree completion program after completing the Foundation Diploma program in *Social Science* with a cumulative average in the B range, provided they meet the University's English language entry requirements. The program must include two modules in economics.

Program Curriculum Structure/Program of Study

Diploma graduates will normally have to complete the following courses in order to fulfill the requirements of the Bachelor of Arts in International Relations and Development Studies

Total courses:

30 (with no more than 7 at the 100-level)

Major requirements:

Major requirements: 15 courses, consisting of:

- (a) 45-100, 45-264, 45-275, 45-354 or 45-355, 45-360, 45-461, 45-462;
- (b) 43-123, 43-124;
- (c) One of 45-251, 45-252 or 45-351
- (d) Three of 45-233, 45-238, 45-241, 45-244, 45-249, 45-260, 45-261, 45-267, 45-268;
- (e) Two of 45-346, 45-356, 45-361, 45-363, 45-365, 45-367, 45-371, 45-372, 45-373, 45-464, 45-465, 45-470

Other requirements:

- (a) 02-250
- (b) 10 courses (11 if language concentration is chosen) consisting of two of the concentrations listed below.

Students must complete the requirements in any two of the following concentrations:

Economics Concentration, consisting of five courses: 41-221, 41-231 and three of 41-310, 41-341, 41-350, 41-353, 41-373, 41-374, 45-355 (if not already taken as a major requirement);

History Concentration, consisting of five courses: five from 43-202, 43-218, 43-220*, 43-221*, 43-243, 43-244, 43-320*, 43-326, 43-420*, 43-437, 43-445, 43-446, 43-462, 43-470

Sociology and Anthropology Concentration, consisting of five courses of 48-226 (or 49-226), 48-227, 48-232 (or 49-232), 48-327 (or 54-327), 48-330 (or 49-330), 48-333, 48-340 (or 49-340), 48-352 (or 49-352), 48-375 (or 49-375), 48-411 (or 49-411)

Gender Concentration, consisting of five courses**: five from 53-106, 45-211, 53-260, 43-336, 48-204, 48-226, 48-306, 48-352, 48-353 (or 53-320), 48-354, 48-408, 53-340

Diaspora Studies Concentration, consisting of five courses:45-170, 07-236, 49-112, and two of 34-255, 40-262, 46-235, 46-445, 48/49-240, 48/49-333

Language Concentration,*** consisting of six courses, at least four of which are from the same language:

French (designed for students with Grade 12 "U" French): 29-121 and 29-122 or 29-123, 29-221 and 29-222 or 29-223, 29-260, 29-270.

German (designed for students with no background in German): 15-100, and 15-101 or 15-102, 15-200, and 15-201 or 15-202, 15-260, 15-261

Italian (designed for students with no background in Italian): 21-100, and 21-101 or 21-102, 21-200, and 21-201 or 21-202, 21-260, 21-261.

Spanish (designed for students with no background in Spanish): 23-100, and 23-101 or 23-102, 23-200, and 23-201 or 23-202, 23-260, 26-261.

Arabic (designed for students with no background in Arabic): 08-110, 08-111, 08-210, 08-211, 08-261, 08-262

d) Options to a total of 30.

*These courses will be included if they are approved by Senate.

**Entry into some of the courses in this concentration will require prerequisites or instructor approval

***A flexible approach will be taken to accommodate students with different levels of linguistic competence at point of entry into the program.

Standing Required for Continuation in Program

Same as the standing required for continuation in the Honours International Relations and Development Studies program.

Standing Required for Graduation

Same as the standing required for graduation in the Honours International Relations and Development Studies program.

Proposed Degree Completion for Study Group Graduates

A: Basic Information

FACULTY:	Arts and Social Sciences
AAU:	Political Science
Study Group Program:	Foundation Diploma in Social Science
Degree Completion Title:	Bachelor of Arts (Honours Political Science) for Study Group Graduates
Proposed Year of Implementation:	Fall 2011
Date approved by council:	January 8, 2010

B: Review of Study Group's Program

The department and the Faculty have reviewed Study Group's Foundation Diploma program and note that successful diploma holders will be well-prepared for admission to the degree completion program defined below.

C: The Program Details

Admission Requirements

Students will normally enter the Bachelor of Arts (Honours Political Science) degree completion program after completing the Foundation Diploma program in *Social Science* with a cumulative average in the B range, provided they meet the University's English language entry requirements. The program must include two modules in economics.

Program Curriculum Structure/Program of Study

Diploma graduates will normally have to complete the following courses in order to fulfill the requirements of the Bachelor of Arts in Political Science

Total courses:

30 (with no more than 7 at the 100-level)

Major requirements:

Major requirements: seventeen courses, including 45-100 and 45-275; and two of 45-201, 45-211, 45-212, 45-213, 45-220, 45-309, 45-313, 45-314 and 45-321; plus 45-251 and 45-252; and two of 45-232, 45-237, 45-241, 45-244, 45-346, and 45-365; plus two of 45-264, 45-268, 45-360, 45-361, 45-363, and 45-367; seven additional courses, five of which must be at the 300-400 level (and three of those five at the 400 level).

Other requirements:

- (a) 02-250
- (b) six courses from Sociology, Anthropology, Communication Studies, History and Psychology;
- (c) four courses from any area of study, including Political Science. (At least two of 41-231, 41-232 and 41-283 are strongly recommended.)
- (d) options to a total of 30

During the course of the two-year consultation process and the initial review of the Study Group proposal by Senate, a number of matters arose for which additional clarification was sought. The following is a list of these “frequently asked questions” (FAQs) and the responses to them compiled by the Office of the Associate Vice-President, Academic Affairs, in consultation with participating areas within the University.

QUESTION	ANSWER
1. Will SG be teaching first-year programs of the kind offered by the University?	SG programs are modeled on internationally-established pathway programs designed exclusively to prepare international students for degree studies in an Anglophone higher education context. Owing to the close cooperation of SG and our academic departments, we are assured that students who successfully complete SG’s courses and overall program will achieve the required objectives in each area of study required to enter second year studies.
2. What will be the basis for continuation from SG to the University?	Successful completion of the International Study Centre (ISC) Foundation year programs with requisite grades (B) in conjunction with the students’ home country qualifications will be recognized by the University, as appropriate for entry into year 2 of specified Windsor degree programs. The University will accept into second year only those SG students who have met the academic entry requirements of the University. The University retains the options of admitting SG students into first year and of refusing admission.
3. How is the SG relationship similar or different from other college and university articulation agreements (given that such agreements normally require colleges to be public, accredited and regulated?)	This model is, in essence, no different from the various articulation agreements many thousands of universities, including ours, have with colleges and universities worldwide. All courses and course outlines developed by SG have been fully vetted by the appropriate University faculties, schools and departments.
4. Will the SG agreement lead to outsourcing and privatization that could lead to the loss of employment and programs on campus?	Neither the University nor the English Language Improvement Program (ELIP) offers the programs being developed by SG. SG will operate in positive relationship with our English language Centre and has done so with English language centres on some very large and prestigious SG partner campuses. Its substantial marketing and recruitment efforts lead to the admission of a growing number of international students, not only to the ISC but also directly entering ESL and degree programs, at the partner university. This increase in student

	numbers not only secures additional revenue for the partner university but often requires increases to its staffing. SG will be hiring its instructors from the same pool of instructional staff as does the University.
5. Will SG receive all funds paid by SG students?	SG receives tuition fees for its educational services, and the University will be paid for those support services that it provides.
6. Will University departments have any control over who teaches at SG?	The University will clear appointments of SG staff before they take up their posts. The criteria and standards for appointment by the SG will be approved by the University and published in the operational guide.
7. Will University departments have any control over course outlines used by SG?	Departments have been vetting course outlines and SG has responded positively to their constructive suggestions. This will continue throughout the operation of the ISC.
8. How much consultation has occurred on campus regarding SG?	The University and SG have engaged in detailed discussion of the ISC model for about eighteen months and at all levels of the institution. There has been considerable time for discussion and understanding of the proposals under consideration.
9. SG does not now operate on any Canadian university campuses. Does Windsor really wish to be the first? What will this do to our reputation?	SG has begun to operate in the US, including James Madison University, but has not, as yet, operated the ISC model proposed for Windsor anywhere in Canada. SG has, however, successfully developed the ISC program for entry into year two in the United Kingdom and Australia. The University has demonstrated due diligence by meeting with many of SG's partners in the UK s. The University delegates were very satisfied with the operation and status of those programs.
10. The English Language Improvement Program (ELIP) recently opened a brand new facility on campus a little over two years ago at a cost of \$1.6 million. Can we achieve the goals of the SG collaboration with ELIP?	ELIP is an excellent program of assistance to international students. It offers programs which are different from and complementary to the specialist academic pathways proposed for the ISC. The students recruited into ELIP and those recruited into SG, have, as well significantly different needs and objectives. SG's marketing and recruitment activities will likely increase ELIP's enrolment.
11. Have ELIP-equivalent programs at British universities been dismantled once SG-type programs were introduced? Is this likely to take place at Windsor?	No host university with an agreement with SG has dismantled its English language unit as a result of collaboration with ISC. This is not likely to occur at Windsor either.

<p>12. If SG and similar private corporations are losing money, their future is questionable. What happens when private corporations fail?</p>	<p>SG is financially secure and enjoying growth. It is developing diploma programs such as the one proposed for Windsor in each Australian State and in several UK institutions. It has recently moved business and program development staff to a New York City office and opened a Canadian office.</p>
<p>13. SG uses its own company English language tests, rather than using accepted international tests (e.g., IELTS, TOEFL, and CAEL). SG's passing grade is 40% in the first semester and 65% afterwards. The ELIP standard is 75% Is the SG preparation less rigorous than other campus-based ESL programs?</p>	<p>SG's English test is more rigorous and appropriate than IELTS or TOEFL in that it tests the language and associated skills required for successful study at university. The testing process will be transparent and open to scrutiny by the University's language specialists. SG will comply with the University's English language requirements and will not be able to proceed without satisfying the university. The statement on grades requires elaboration. . 40% is a pass at UK universities (as at A Level). There is, in addition to the pass grade, an agreed progression grade, typically 65%, which is possibly where the confusion has arisen. The pass and progression grades are likely to increase to around 50% and 70-75% in the Canadian (and U.S.) context. Progression at Windsor will require achievement in the B range.</p>
<p>14. SG markets itself as part of the host university, using Web sites with the university's logo. Is this appropriate?</p>	<p>A campus based ISC is a vital component of the university learning experience for students preparing for full integration into University of Windsor programs. The students live in University accommodation where they pay the going rates, use prepaid campus services and integrate to the fullest extent feasible with the rest of the student body. SG and the University have a shared interest in ensuring students' awareness of the values and character of the institution they wish to attend. SG seeks to enhance awareness, internationally, of the University and not of SG. Its efforts are focused on increasing the number of international students, the diversity of students and supporting their personal and academic success in the host university setting. In order to do this, SG does everything possible to give the ISC students a complete host university experience.</p>
<p>15. Does SG imply that acceptance to the host university is guaranteed? Is this misleading?</p>	<p>Progression is not guaranteed any more than it is through the University's degree program. Progression is assured for successful students. Some students may also qualify for first-year entry. International student applicants know that they</p>

	<p>must successfully complete the programs with required grades. It should be noted that the ISC progression rates at its four-year degree partners are high.</p>
<p>16. The University already has a private company, Higher-Edge, recruiting international students. Will SG be in competition with Higher-Edge for international students?</p>	<p>All universities have multiple recruitment channels, including ours. SG will be working closely with our recruiters and each will complement the other's recruitment efforts. The University of Windsor, Higher-Edge, and SG will benefit from the agreement as it will result in increased enrolment of highly qualified international students at the University.</p>
<p>17. SG is an American owned venture capital corporation whose concern is with maximizing growth and minimizing costs, such as teaching costs. Will SG pay less for its teachers than Canadian colleges?</p>	<p>Instructor pay will be appropriate for the work undertaken. It will not match the pay of university professors because SG teaching staff members have neither the same wide-ranging departmental duties nor research commitments.</p>
<p>18. Will SG meet the University's teaching qualification criteria?</p>	<p>SG instructors will be hired for the purpose only of teaching and improving the SG curricula. SG instructors will not provide university service or conduct research; as a result, qualifications will likely differ from the University's qualification criteria and focus only on the necessary attributes of a year one equivalent instructor.</p>
<p>19. Will the University's employment equity standards be followed by SG?</p>	<p>SG is a separate organization and will follow its own employment equity standards. However, it will follow, as closely as possible, the University's policies and procedures.</p>
<p>20. What fee will be charged for the use of University facilities by SG?</p>	<p>SG students' tuition will include funds for the services. SG's payment to the University will be based upon the fee University students pay. Increased use of these facilities ultimately by about 400 additional students will require additional resources to some of these areas to ensure a continued high level of service and support.</p>
<p>21. We know very little about SG in terms of academic quality and are not able to rely on oversight or accreditation by an official governing body. How can we be sure that they will do high quality academic work?</p>	<p>When evaluating coursework from institutions outside of Canada, the University often relies on the relationships that exist between colleagues from the institution in question and Windsor, as well as testimonials from other universities. In this case, UK universities have stated that SG's programs produce a significant number of successful university students. There is an established record of SG's effectiveness among some of the best universities in the UK and Australia. What is more, the agreement includes</p>

	mechanisms through which the University can assess the quality of the programs on an on-going basis.
22. How long is the agreement between SG and the University?	The agreement is for a period of five years, at a minimum. It may be renewed based on SG's performance. The University can terminate the agreement after two years if SG does not meet its responsibilities.
23. Could we develop our own program to support at-risk international students?	We do not now have available resources for this purpose and new expertise would need to be acquired. However, the University is committed to improving services to international students to improve their experience.
24. How are students able to digest both the English and program specific content simultaneously?	ISC instructors work with each and every student on their language acquisition during and after all their classes. SG has years of experience working with international students learning English. This immersion method supported by special English language teaching is what has made immersion French Language learning successful in Canada.
25. Could we provide equal service for struggling domestic students?	The University aims to provide increased levels of support for domestic students. For instance, the new Gateway program available in the Faculty of Arts and Social Sciences has successfully increased support for at-risk students. Similarly, the Foundations of Academic Writing 1 and 2 courses have enhanced writing support for students in FASS and Engineering.
26. How will we ensure that the students are taught similar first year material to what we require in first year?	The AAU's have worked closely with SG to develop the SG first year curriculum. AAU's will work closely with SGU to assure quality throughout the ISC program. SG has offered participating University departments the option of using University examinations to ensure that the University's learning outcomes have been achieved. University faculty members will have access to the examinations and will be able to audit the marking of SG exams.
27. How will we ensure that our academic integrity standards will be adhered to by SG?	SG has agreed that it will follow the university's approach to academic integrity.
28. Will UWSA represent SG students?	UWSA will represent SG students. They will have full access to <u>all</u> UWSA services. The only exception would be the right to vote and serve in UWSA-elected positions.
29. Will the presence of SG on campus result in less space for University of	The Study Group program will be housed in currently unused space in Laurier Hall. This will

Windsor purposes?	change dormant space into a revenue-generating area for the University. SG.
30. A concern has been voiced about the apparent lack of statistics/data available to demonstrate SG's good track record of placing and graduating strong students.	Please see the data provided for Stirling University in Scotland and Keele University in the UK.
31. Concern has been voiced about how SG students will be ready for Year 2 after completing only 38 weeks of courses, and having to surmount cultural differences and language barriers.	The SG academic year is 14 weeks longer than the University's two twelve week terms combined. Close attention to student development in small classes will also help to develop students' academic, social and cultural competence.
32. Will SG tuition and fees be similar to what University first year students are charged?	SG will set its own tuition and fee schedule. SG plans to charge a similar tuition and fee schedule for its students.