

**University of Windsor  
Program Development Committee**

\*5.6:           **General Bachelor of Computer Science – Minor Program Changes**

Item for:       **Approval**

**MOTION:**     **That the degree requirements for the Bachelor of Computer Science (General) be changed according to the submitted program/course change forms.\***

*\*Subject to approval of expenditures required.*

**Rationale/Approvals:**

- The proposed changes have been approved by the Department Council, and the Faculty of Science Coordinating Council.
- *See attached.*

# PROGRAM DEVELOPMENT COMMITTEE

## MINOR PROGRAM CHANGES

### FORM "C"

**TITLE OF PROGRAM/CERTIFICATE:** BSc[G] General Science  
**DEPARTMENT/SCHOOL:** Science  
**FACULTY:** Faculty of Science  
**Proposed change(s) effective as of** Fall 2014

#### A.1 PROGRAM REQUIREMENT CHANGES

Please provide the current program requirements and the proposed new program requirements by cutting and pasting from the current undergraduate or graduate web calendar ([www.uwindsor.ca/calendars](http://www.uwindsor.ca/calendars)) and clearly marking deletions with strikethrough (~~strikethrough~~) and additions/new information with **bolding and underlining**.

*Example:*

Major requirements: 00-100, ~~00-104~~, 00-110, 00-210, 00-310, 00-410, plus three additional courses at the **300-level or** 400-level.

#### Bachelor of Science (General Science)

*Total courses:* thirty.

*Major requirements:* 18 courses

(a) two sets of six courses from two different Departments or School as listed:

- Biological Sciences: 55-140 and 55-141; and \*four 55-xxx courses at the 200 level or above
- Chemistry and Biochemistry: 59-140 and 59-141; and \*four 59-xxx courses at the 200 level or above
- Computer Science: 60-140 and 60-141; and \*four 60-xxx courses at the 200 level or above
- Environmental Science: 66-140 and 66-141; and \*four 66-xxx courses at the 200 level or above
- Economics: 41-110 and 41-111; and \*four 41-xxx courses at the 200 level or above
- Mathematics and Statistics: 62-140 (or 62-139) and 62-141; and \*four 62-xxx or 65-xxx courses at the 200 level or above
- Physics: 64-140 and 64-141; and \*four 64-xxx courses at the 200 level or above

\*NOTE: These courses must satisfy the *Major Requirements* for a degree program in the Department or School.

(b) one set of two courses from a third Department or School as listed:

- Biological Sciences: 55-140 and 55-141
- Chemistry and Biochemistry: 59-140 and 59-141
- Computer Science: 60-140 and 60-141, or 60-104 and 60-205, or 60-106 and 60-205
- Environmental Science: 66-140 and 66-141
- Economics: 41-110 and 41-111
- Mathematics and Statistics: **62-130 and 65-205** or ~~one of 62-130, 62-139 or 62-140 and one of 62-141 or 65-205~~
- Physics: 64-140 and 64-141 or 64-130 and 64-131

(c) four Science courses at the 300 level or above which satisfy the *Major requirements* for a degree program of the Department or School in the Faculty of Science that offers the courses.

*Other requirements:* 12 courses

(a) four courses from Arts/Languages and Social Sciences, with at least one from each, and

(b) eight courses from any area of study excluding 55-100, 55-101, **59-100**, 59-110, 62-101, 62-102 and 62-194

*Calculation of Major Average*

Consistent with the University of Windsor regulations, the major average is calculated from the grades of all Science courses, excluding the grades obtained in the following courses that cannot be used to fulfill the major requirements in the Department or School offering the course: 55-100, 55-101, 55-212, **59-100**, 59-110, 59-191, 59-201, 59-232, 59-263, 60-207, 60-270, 60-305, 60-336, 66-110, 66-111, 66-210, 66-213, 66-214, 62-101, 62-102, 62-194, 64-114, 64-190, 64-191, 64-202, 64-203 and 66-201. nsert proposed changes]

# PROGRAM DEVELOPMENT COMMITTEE

## MINOR PROGRAM CHANGES

### FORM "C"

#### A.2 MINOR COURSE CHANGES REQUIRING ADDITIONAL RESOURCES OR AFFECTING DEGREE REQUIREMENTS

*If this is a minor course and calendar change (usually noted on a Form E) requiring additional resources or affecting degree requirements, please provide the current course information and the proposed new course information by cutting and pasting from the current undergraduate or graduate web calendar and clearly marking deletions with strikethrough (~~strikethrough~~) and additions/new information with **bolding and underlining**.*

*Examples of minor course changes include: deleting courses, course description changes, pre/anti/co-requisite changes, contact hour/lab requirement changes, course title changes, renumbering courses, and/or cross-listing courses. Minor course calendar changes, which do not require additional resources or do not affect degree requirements, should be submitted on a **Form E**.*

N/A

#### B. RATIONALE

*Please provide a rationale for the proposed change(s).*

62-130 may not be paired with 62-141 since it is not a sufficient prerequisite for 62-141. 62-130 may be paired with 65-205 only.

59-100 may not be taken for credit in any science program – was not previously listed.

#### C. RESOURCES

##### C.1 Available Faculty and Staff Resources (QAF sections 2.1.7, 2.1.8, 2.1.9 and 2.1.10)

*Describe all faculty and staff resources (e.g., administrative, teaching, supervision) from all affected areas/departments currently available and actively committed to support the program change(s).*

N/A

##### C.1.1

*Provide an assessment of faculty expertise available and committed to actively support the revised program.*

N/A

##### C.1.2

*Describe the area's expected reliance on, and the role of adjunct, limited-term, and sessional faculty in delivering the revised program.*

N/A

##### C.1.3

***For graduate programs:** Explain how supervisory loads will be distributed, and describe the qualifications and appointment status of faculty who will provide instruction and supervision in the revised program.*

N/A

##### C.1.4

***For graduate programs:** Where appropriate to the revised program, provide evidence that financial assistance for graduate students will be sufficient to ensure adequate quality and numbers of students.*

N/A

# PROGRAM DEVELOPMENT COMMITTEE

## MINOR PROGRAM CHANGES

### FORM "C"

#### C.2 Other Available Resources

*Provide evidence that there are adequate resources available and committed to the revised program to sustain the quality of scholarship produced by undergraduate students as well as graduate students' scholarship and research activities, including for example:*

- staff support,
- library,
- teaching and learning support,
- student support services,
- space,
- equipment,
- facilities
- GA/TA

N/A

#### C.3 Resource Implications for Other Campus Units (MTCU sections 3 and 4)

*Describe the reliance of the proposed program revisions on existing resources from other campus units, including for example:*

- existing courses,
  - equipment or facilities outside the proposer's control,
  - external resources requiring maintenance or upgrading using external resources
- Provide relevant details.*

N/A

#### C.4 Anticipated New Resources (QAF sections 2.1.7, 2.1.8 and 2.1.9; MTCU section 4)

*List all **anticipated new resources** originating from within the area, department or faculty (external grants, donations, government grants, etc.) and committed to supporting the revisions to this program.*

N/A

#### C.5 Planned Reallocation of Resources and Cost-Savings (QAF section 2.1.7 and 2.1.9; MTCU section 4)

*Identify all opportunities for*

- internal reallocation of resources and
- cost savings

*identified and pursued by the area/department in support of the revisions to this program. (e.g., streamlining existing programs and courses, deleting courses, etc.)?*

N/A

#### C.6 Additional Resources Required – Resources Requested (QAF section 2.1.7 and 2.1.9)

*Describe all **additional faculty, staff and GA/TA resources** (in all affected areas and departments) required to run the revised program.*

**Faculty:** N/A

**Staff:** N/A

**GA/TAs:** N/A

##### C.6.1

*Describe all **additional institutional resources and services** required by all affected areas or departments to run the revised program, including library, teaching and learning support services, student support services, space and facilities, and equipment and its maintenance.*

**Library Resources and Services:** N/A

**Teaching and Learning Support:** N/A

**Services:** N/A

**Space and Facilities:** N/A

**Equipment (and Maintenance):** N/A