

University of Windsor  
Program Development Committee

\*5.7 Science (Mathematics and Statistics) – Program/Course Changes

Item for: Approval

**MOTION 1:** That the changes to the Minor in Mathematics be approved in accordance with the submitted PDC program/course change forms.\*

**MOTION 2:** That the Minor in Statistics, be approved in accordance with the submitted PDC program/course change forms.\*

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

**Rationale:**

- The changes were approved by the Department of Mathematics and Statistics Council and the Faculty of Science Coordinating Council.
- *See attached.*

# PROGRAM DEVELOPMENT COMMITTEE

## MINOR PROGRAM CHANGES

### FORM "C"

**TITLE OF PROGRAM/CERTIFICATE:** Minor in Mathematics and Minor in Statistics

**DEPARTMENT/SCHOOL:** Math & Stats

**FACULTY:** Science

**Proposed change(s) effective as of** [Fall, Winter, Spring]: Winter 2013

#### 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**.

[Insert proposed changes]

#### Minor in Mathematics

A minor **in** Mathematics can be obtained upon completion of six courses from the following list, with a minimum grade of 5.0 (C-) in each course: 62-120 or 62-125 or 62-126, 62-140 or 62-139, 62-141, 62-190, 62-215, 62-216, 62-220, 62-221, 62-3XX, 62-4XX, 65-205 or 65-250, ~~65-251, 65-3XX and 65-4XX~~.

#### Minor in Statistics

**A minor in Statistics can be obtained upon completion of six courses from the following list, with a minimum grade of 5.0 (C-) in each course: (a) 62-120 or 62-125 or 62-126, 62-140 or 62-139, 62-141 and (b) three courses from 65-250, 65-251, 65-3XX, 65-4XX.**

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#### 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**.*

[Insert proposed changes]

#### B. RATIONALE

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

Adjustment in Minor in Mathematics better align with other course requirements for several science programs. Creation of Minor in Statistics more clearly distinguishes the difference from mathematics and is more attractive than Minor in Mathematics for several science and social science programs.

# PROGRAM DEVELOPMENT COMMITTEE

## MINOR PROGRAM CHANGES

### FORM "C"

#### 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

#### 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,*

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## MINOR PROGRAM CHANGES

### FORM "C"

*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:** No additional faculty resources are required.

**Staff:** No additional staff resources are required.

**GA/TAs:** No additional GA/TA resources are required.

##### **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:** No additional library resources and services are required.

**Teaching and Learning Support:** No additional teaching and learning support is required.

**Student Support Services:** No additional student support services are required.

**Space and Facilities:** No additional space and facilities are required.

**Equipment (and Maintenance):**