

Undergraduate Curriculum Agenda Items – November 26, 2019

1. Remove 2750 as a prerequisite for 3750.

The prerequisite sequence for the software engineering courses is difficult to manage for Co-op students if they fail or drop CIS*2750. The proposal is to remove the CIS*2750 prerequisite from CIS*3750. This will allow students who drop or fail CIS*2750 to continue taking courses in the next semester while they retake CIS*2750. We will add the CIS*2750 prerequisite to CIS*3760 to prevent movement into the more senior courses.

Motion: Remove CIS*2750 as a prerequisite to CIS*3750 and add it as a prerequisite to CIS*3760.

2. Reduce lab length in CIS*1910 and CIS*2910 to one hour.

A suggestion was made that the labs in both discrete math courses could be reduced from two hours per week to one hour. They are currently (3-2) courses in the calendar. The existing two hour labs are seen as unnecessarily long for these courses. This will also help with scheduling labs which has become increasingly difficult with increased undergraduate enrolments.

Motion: Change both CIS*1910 and CIS*2910 to have one hour labs (3-1) in the calendar.

3. Introduce a 3000 level special topics course.

A request was made to consider the introduction of a 3000 level special topics course that is similar to CIS*4450 or CIS*4500. The course would be at the third year level so it would be less demanding than the existing fourth year courses. It would allow the introduction and testing of new 3000 level courses that may later be introduced as regular courses.

Motion: Add a third year special topics course to the calendar.

4. Reorganize the General Program.

Change the course requirements for the General Program so they provide a more applied selection of courses and allow students to complete the degree within three years.

Motion: Adopt the new course requirements for the General Program.

The proposed changes to required course for the program are:

Current Requirements	Proposed Requirements
CIS*1300 [0.50] Programming	CIS*1300 [0.50] Programming
CIS*1910 [0.50] Discrete Structures in Computing I	CIS*1910 [0.50] Discrete Structures in Computing I
CIS*2430 [0.50] Object Oriented Programming	CIS*2430 [0.50] Object Oriented Programming
CIS*2500 [0.50] Intermediate Programming	CIS*2500 [0.50] Intermediate Programming
CIS*2520 [0.50] Data Structures	CIS*2520 [0.50] Data Structures
Software Systems	CIS*2170 [0.75] User Interface Design
CIS*2750 [0.75] Development and Integration	CIS*1050 [0.50] Web Design and Development
CIS*2910 [0.50] Discrete Structures in Computing II	CIS*3530 [0.50] Data Base Systems and Concepts
CIS*3530 [0.50] Data Base Systems and Concepts	0.50 additional CIS or STAT credits at the 2000 level or higher
0.50 additional CIS or STAT credits at the 2000 level or higher	1.00 additional CIS credits at 3000 level or higher
1.00 additional CIS credits at 3000 level or higher	

The 2000 level elective will likely be filled by either CIS*2030, CIS*2250, CIS*2750 or CIS*2910. The 3000 level electives will likely include CIS*3110 which they are required to take in semester four and one of CIS*3120, 3190, 3210, 3250, 3490, or 3750.

A likely schedule of studies for students who pursue this option would be the following. Electives are marked in bold.

Semester 1

CIS*1300 [0.50] Programming
CIS*1910 [0.50] Discrete Structures in Computing I

Semester 2

CIS*2500 [0.50] Intermediate Programming
MATH*1160 [0.50] Linear Algebra I

Semester 3

CIS*2030 [0.50] Structure and Application of Microcomputers
CIS*2430 [0.50] Object Oriented Programming
CIS*2520 [0.50] Data Structures

Semester 4

CIS*2750	[0.75]	Software Systems Development and Integration
CIS*3110	[0.50]	Operating Systems I

Semester 5

CIS*3530	[0.50]	Data Base Systems and Concepts
CIS*3210	[0.50]	Computer Networks (Elective)

Semester 6

CIS*1050	[0.50]	Web Design and Development
CIS*2170	[0.75]	User Interface Design

The current calendar copy for the General Program is:

1. Earn 15.00 credits. These must include courses that fulfill the distribution requirements of the general Degree (see below). At least 4.00 credits must be at the 3000 level or above. Not more than 6.00 credits at the introductory (1000) level may be counted towards the 15.00 credit requirement.
2. No more than 11.00 credits in any one subject or discipline, as indicated by the course prefix code, can be counted towards a general degree.
3. Successfully complete the following credits:

[CIS*1300](#) [0.50] Programming

[CIS*1910](#) [0.50] Discrete Structures in Computing I

[CIS*2430](#) [0.50] Object Oriented Programming

[CIS*2500](#) [0.50] Intermediate Programming

[CIS*2520](#) [0.50] Data Structures

[CIS*2750](#) [0.75] Software Systems Development and Integration

[CIS*2910](#) [0.50] Discrete Structures in Computing II

[CIS*3530](#) [0.50] Data Base Systems and Concepts

0.50 additional CIS or STAT credits at the 2000 level or higher

1.00 additional CIS credits at 3000 level or higher

4. Earn 2.00 science credits (list of courses available in the Program Counsellor's office) and 2.00 credits in the College of Arts or College of Social and Applied Human Sciences in addition to the courses listed in c.

5. Delete CIS*1000 Introduction to Computer Applications

The two introductory computing courses, CIS*1000 and CIS*1200, are very similar. They have nearly identical learning objectives and use the same text book. There is little reason to maintain two courses. The intention is to delete CIS*1000 and encourage students who would have taken it to instead take CIS*1200. The other units on campus who list CIS*1000 in the calendar have been contacted and they acknowledge the change.

Motion: Delete CIS*1000 from the calendar.