



Academic Programs Committee of Council

University Course Challenge

Scheduled posting: November, 2015

The following types of curricular and program changes are approved by the University Course Challenge -- additions and deletions of courses, lower levels of study and program options; straightforward program changes; and changes to courses which affect another college.

Contents include submissions for approval and information from the following colleges:

College of Agriculture & Bioresources

College of Arts & Science

Edwards School of Business

Approval: Date of circulation: November 16, 2015
 Date of effective approval if no challenge received: December 1, 2015

Next scheduled posting:

The next scheduled Challenge document posting will be December 16, 2015, with a submission deadline of **December 11, 2015**. Urgent items can be posted on request.

Please direct challenges to both of the following: seanine.warrington@usask.ca in Registrarial Services and amanda.storey@usask.ca in the Office of the University Secretary.

College of Agriculture & Bioresources, November 2015 University Course Challenge Proposal:

The following curricular changes have been approved by the college and are now being posted to University Course Challenge for approval:

[Bachelor of Science in Agribusiness \[B.Sc.\(Agbus.\) Honours\]](#)

Minimum Requirements for Degree (120 credit units)

Year 1 - Term 1 (15 credit units)

Year 1 - Term 2 (15 credit units)

Year 2 (30 credit units)

Years 3 and 4 (60 credit units)

Requirements

- [BPBE 315.3](#)
- [BPBE 322.3](#)
- [BPBE 342.3](#)
- [BPBE 343.3](#)
- [BPBE 347.3](#)
- [BPBE 361.3](#) and [BPBE 461.3](#) or [ECON 404.6](#)
- [BPBE 494.6](#)
- [BPBE 495.3](#) or [BPBE 428.3](#)
- [COMM 201.3](#)
- [MATH 264.3](#)

Open Electives

Choose 6 credit units of Open Electives

Restricted Electives

[Bachelor of Science in Agribusiness \[B.Sc.\(Agbus.\)\]](#)

Minimum Requirements for Degree (120 credit units)

Year 1 - Term 1 (15 credit units)

Year 1 - Term 2 (15 credit units)

Year 2 (30 credit units)

Years 3 and 4 (60 credit units)

Requirements

- [BPBE 315.3](#)
- [BPBE 322.3](#)
- [BPBE 342.3](#)
- [BPBE 343.3](#)
- [BPBE 347.3](#)
- [BPBE 361.3](#)
- [BPBE 495.3](#) or [BPBE 428.3](#)
- [COMM 201.3](#)

Open Electives

Choose 15 credit units of Open Electives

Restricted Electives

Diploma in Agribusiness

The Diploma in Agribusiness is a two year program targeted at specific employment opportunities. Consisting of degree-level courses, the diploma ladders directly into the Bachelor of Science in Agribusiness degree program in the College of Agriculture and Bioresources. Students completing a Diploma in Agribusiness, along with an additional 60 credit units of approved course work in the College of Agriculture and Bioresources, will be eligible to obtain a B.Sc.(Agbus.) degree.

Year 1 - Term 1 (15 credit units)

Year 1 - Term 2 (15 credit units)

Year 2 - Term 1 (15 credit units)

- [BPBE 320.3](#)
- [COMM 201.3](#)
- [RCM 300.3](#)

Restricted Electives

Open Electives

Year 2 - Term 2 (15 credit units)

- [BPBE 495.3](#)

Restricted Electives

Open Electives

Minor in Agribusiness

The Agribusiness minor is an approved minor field of study in the Bachelor of Science in Agriculture (B.S.A.) degree and the Bachelor of Science in Renewable Resource Management [B.Sc.(R.R.M.)] degree. A minor consists of 18 credit units in a field of study outside the student's major. At least 12 credit units in the minor must be courses that are not specifically listed as required in a student's major.

Minor Requirements

Requirements

- [BPBE 495.3](#) or [BPBE 428.3](#)
- [COMM 101.3](#)
- [COMM 201.3](#)

Electives

Rationale: When the B.Sc. Agribusiness degree was introduced in the College of Agriculture and Bioresources, BPBE 495.3 Agribusiness Venture Management was the required capstone course. It remains the capstone course and is currently offered in both term one and term two with a maximum limit of 40 students in each term. The proposal being put forward by the Department of Bioresource Policy, Business and Economics is to offer BPBE 495.3 once in term 2 retaining the limit of 40 students and to add the use BPBE 428.3 Case Studies in Agribusiness Management, which is offered only in term 1, as an optional capstone course for students who are more inclined to take management-related material for their capstone than the traditional business plan approach that BPBE 495.3 utilizes. The department's view is that either BPBE 495.3 or BPBE 428.3 can be used to meet the capstone requirement for the degree but that both classes can be taken by a student with special permission of the department so that one can be used to fulfill the capstone requirement while the other can be used to fulfill a 400-level restricted elective requirement.

The Diploma in Agribusiness program currently uses BPBE 495.3 as its capstone course. Students are advised to take BPBE 495.3 in term 2 of the second year of their program and this rationale will not change. With only four terms in the diploma program, the capstone needs to be taken in the final term of the program to ensure that the student has taken sufficient background classes to be able to perform competently in BPBE 495.3. With this in mind, the department does not wish to formally move that BPBE 428.3 become an official capstone course in the diploma but does wish to reserve the right to substitute one course for the other on a case-by-case basis.

BPBE 495.3 is also the required capstone course for the Minor in Agribusiness and, for the same rationale stated for the degree above, the department wishes to allow BPBE 428.3 to be used as a capstone alternative in the minor so that students would be able to access either BPBE 495.3 or BPBE 428.3 as their capstone course.

Prerequisite Change

BPBE 254.3 — 1(3L)

Agribusiness Taxation

Provides an introduction to federal and provincial income tax as it relates to the agriculture sector. The course stresses the terms, concepts and fundamental principles of income taxation. While tax form preparation will be reviewed, tax concepts, compliance issues and tax planning will be emphasized. The course is designed to expose students to tax laws and how they affect individual decisions and how the taxpayer is/can be integrated with different business organization structures that may be utilized in the agriculture industry.

Prerequisite(s): ~~COMM 201~~ Successful completion of 30 credit units of university-level courses or permission of the instructor

Rationale: The BPBE 254.3 Agribusiness Taxation course was previously taught in a computer lab setting utilizing computer programs to teach the agribusiness taxation course material. The course has been moved to a classroom instruction setting and the software will no longer constitute part of the instructional methodology of the class. The course content will remain the same, though, with this change in presentation and the course reference material that will be utilized, COMM 201.3 Introduction to Accounting will no longer be required as a prerequisite for the class. The department feels that this should not infer that the BPBE 254.3 no longer requires any prerequisites, however, and recommends that the prerequisite of "Successful completion of 30 credit units of university-level courses or permission of the instructor" to replace the current stated prerequisite of COMM 201 will be sufficient to ensure that only students with enough university-level or other experience will be registering in the class. This change will also open the course up to a broader group of students in the College of Agriculture and Bioresources, including the Diploma in Agribusiness, Agribusiness minor and both the BSA and Diploma in Agronomy student groups, who may not always have taken COMM 201 but, through other required and elective classes in the college, may have sufficient background or experience in the material to be successful in the course.

University Course Challenge – November 2015

The curricular revisions listed below were approved through the Arts & Science College Course and Program Challenge and are now submitted to the University Course Challenge for approval.

DIVISION OF SCIENCE

Computer Science

New course(s)

CMPT 140.3 Introduction to Creative Computing

1/2 (3L-1.5P) Concepts in computing such as algorithms, problem solving, and programming are explored using interactive multimedia systems as the creative focus. Basic skills in problem solving, programming, design and interaction, event-based behaviour, and prototyping are developed.

Prerequisite(s): None.

Note: Recommended for students who do not have Computer Science 30. CMPT 140 can be taken for credit after the completion of CMPT 100, but CMPT 100 cannot be taken for credit after completion of CMPT 140. Students with credit for CMPT 105, CMPT 111, CMPT 113, or CMPT 116 cannot obtain credit for CMPT 140. CMPT 140 will count as an open elective for students in the Interactive Systems Design, Computer Science, and Bioinformatics programs.

Instructor(s): R. Mandryk, C. Gutwin

Rationale: This course is part of curriculum revisions to first year computer science courses. The Department of Computer Science is home to 3 degree programs: Computer Science (CMPT), Bioinformatics (BINF), and Interactive Systems Design (ISDE). The proposed revisions achieve the following goals:

1. **Unify the first year for all our departmental programs.** Previously, the ISDE program had separate first year courses (CMPT 105 and 106) from CMPT and BINF programs (CMPT 111 and 115). A unified first year increases flexibility by allowing students to easily choose/change programs after their first year.
2. **Make 6 credit units in first year computer science valuable to all scientists, engineers, and researchers.** Previously, our first year courses taught introductory concepts, but directed more towards preparing our own majors. Our new courses are designed to provide practical skills, and useful working knowledge of introductory computer science concepts and strategies, to students from any program.
3. **Provide a single sequence of courses that allows an appropriate starting point depending on whether students have high school Computer Science 30 (CS30), or not.** Our current courses do not have any high school computer science prerequisites. The majority of students taking a first course in our department have no prior computer science or programming, but the minority of students with CS30 is increasing in competence. It is becoming a problem to have both sets of students in the same course without boring the experienced students, or intimidating the novices.

The revisions consist of three new courses, CMPT 140, CMPT 141, and CMPT 145, which replace current courses CMPT 105, CMPT 111, and CMPT 115. The new suite creates a single sequence of courses that introduces computer science, programming, and problem solving skills. A student will choose an entry point into this sequence depending on prerequisite knowledge.

All three new courses will use the Python programming language, replacing C/C++, which we've been using in CMPT 111 and CMPT 115 for about a decade. Python is a high-level scripting language suitable for general purpose programming, and is a very practical tool for programmers, scientists, or any

scholar/researcher needing to analyze or process data. Teaching Python allows CMPT 141, and 145 to give a broader and more practical introduction to the principles and fundamental techniques of computer science. We assert that using Python makes our new courses more valuable to all students, and the changes in CMPT 145 (c.f., CMPT 115) compounds the increase. Python is being used for introductory computer science courses in many top universities and colleges across the continent, and has a high profile in the software industry, as well as among scientists and researchers.

CMPT 141.3 Introduction to Computer Science

1/2 (3L-1.5P) An introduction to computer science and problem solving using procedural programming. This course introduces the basic computer science and computer programming principles of algorithms, abstraction, encapsulation, variables, conditional branching, repetition, functions, recursion, and elementary data structures. These concepts are applied to problem solving applications such as data analysis and visualization, simulation, text processing, and image processing. The programming skills acquired in this course are applicable in all fields of study, the work-place, and personal projects. Prerequisite(s): One of (Computer Science 30, CMPT 105, CMPT 140) and one of (Mathematics B30, Foundations of Mathematics 30, Pre-Calculus 30); or MATH 110 or MATH 123 (can be taken concurrently).

Note: Recommended for students with Computer Science 30, CMPT 140 or CMPT 105, or for students in programs that require MATH 110 (or equivalent). Students with credit for CMPT 115 or CMPT 117 cannot take this course for credit. Students may not take CMPT 100 or 120 for credit concurrently with or after CMPT 141.

Instructor: M. Horsch, M. Eramian

Rationale: See CMPT 140 above.

CMPT 145.3 Principles of Computer Science

1/2 (3L-1.5P) This course builds on CMPT 141 by introducing additional problem solving methods and computer science principles, to solve larger problems that are more data intensive, or require more sophisticated techniques. These principles include data structures for efficient storage and retrieval of data, selection of appropriate data structures, algorithmic paradigms for solving difficult problems, and analysis of algorithms' time and space requirements. This course also emphasizes fundamental principles of coding style, testing, and top-down design for writing robust, maintainable software.

Prerequisite(s): CMPT 141; or CMPT 111 and permission of the department.

Note: Students with credit for CMPT 270 cannot take CMPT 145 for credit.

Instructor: M. Horsch, I. McQuillan

Rationale: See CMPT 140 above.

Course deletion(s)

CMPT 105.3 Introduction to Computing and Interactive Systems Design

CMPT 111.3 Introduction to Computer Science and Programming

CMPT 115.3 Principles of Computer Science

Rationale: These courses will be replaced by CMPT 140, CMPT 141, and CMPT 145 in which the content has been organized to account for the increase in the number of students who have taken Computer Science 30 in high school.

Minor course revisions

CMPT 100.3 Introduction to Computing

Change to Note:

Old Note: After CMPT 100, students can take any of 105 and 111. Students can receive credit for only one of CMPT 100, CMPT 102, CMPT 120, CMPT 175. Students may not take CMPT 100 for credit after taking CMPT 105. Also, students may not take CMPT 100 for credit concurrent with or following CMPT 115 or CMPT 117. Students wishing to major in computer science are advised to take CMPT 111. In addition, students majoring in computer science may not use CMPT 100 as a course in their major, but may count it as a junior elective as long as CMPT 100 is taken before CMPT 115 or CMPT 117.

New Note: Students can receive credit for only one of CMPT 100 or CMPT 120. Students with credit for CMPT 105, 111, 140 or 141 may not take CMPT 100 for credit. Students wishing to major in computer science are advised to take CMPT 141 or CMPT 140. Students majoring in computer science may not use CMPT 100 as a course in their major, but may count it as a junior elective.

Rationale: Account for new/deleted 100-level CMPT courses.

CMPT 120.3 Digital Document Processing

Change to Note:

Old Note: CMPT 120 is a course in modern computer skills, but does not lead directly into a computer science major. After CMPT 120, students can take any of CMPT 105 and 111. Students can receive credit for only one of CMPT 100, 102, 120, or 175. Students may not take CMPT 120 for credit after taking CMPT 105. Students may not take CMPT 120 for credit concurrent with or following CMPT 115 or CMPT 117. Students wishing to major in computer science are advised to take CMPT 111. In addition, students majoring in computer science may not use CMPT 120 as a course in the major, but may count it as a junior elective as long as CMPT 120 is taken before CMPT 115 or CMPT 117.

New Note: Students can receive credit for only one of CMPT 100 or CMPT 120. Students with credit for CMPT 105, 111, 140 or 141 may not take CMPT 120 for credit. Students wishing to major in computer science are advised to take CMPT 141, or CMPT 140 if required. Students majoring in computer science may not use CMPT 120 as a course in their major, but may count it as a junior elective.

Rationale: Account for new/deleted 100-level CMPT courses.

CMPT 214.3 Programming Principles and Practice

Prerequisite change:

Old Prerequisite: CMPT 115 or 117; and one of MATH 104, MATH 110, MATH 121, MATH 123, MATH 125, or STAT 245 (or equivalent).

New Prerequisite: CMPT 145 or CMPT 115 or CMPT 117.

Rationale: Prerequisite change to account for the revision of the 100-level CMPT courses. The MATH prerequisites are proposed to be moved to CMPT 215, which follows on from 214. This will help students sequence the courses and also allow them to still be successful in CMPT 214 and 215.

CMPT 215.3 Introduction to Computer Organization and Architecture

Prerequisite change:

Old Prerequisite: CMPT 214.

New Prerequisite: CMPT 214 and one of MATH 104, MATH 110, MATH 121, MATH 123, MATH 125, or STAT 245 (or equivalent).

Rationale: See CMPT 214 above.

CMPT 260.3 Mathematical Logic and Computing

Prerequisite change:

Old Prerequisite: CMPT 115 or 117, and MATH 110.

New Prerequisite: MATH 110; and one of CMPT 145, CMPT 115, or CMPT 117.

Rationale: Account for revisions to 100-level CMPT courses.

CMPT 270.3 Developing Object Oriented Systems

Prerequisite change:

Old Prerequisite: CMPT 115 or 117; and one of MATH 104, MATH 110, MATH 121, MATH 123, MATH 125, or STAT 245 (or equivalent).

New Prerequisite: CMPT 145 or CMPT 115 or CMPT 117; and one of MATH 104, MATH 110, MATH 121, MATH 123, MATH 125, or STAT 245 (or equivalent).

Rationale: Account for revisions to 100-level CMPT courses.

CMPT 281.3 Website Design and Development

Prerequisite change:

Old Prerequisite: CMPT 106.3 or CMPT 111.3

New Prerequisite: CMPT 141.3 or CMPT 106.3 or CMPT 111.3

Rationale: Account for revisions to 100-level CMPT courses.

Minor program revisions

Bachelor of Science Honours, Double Honours, Four-year, and Three-year, and Minor in Computer Science

CMPT 141 replaces CMPT 111 in all indicated programs; CMPT 145 replaces CMPT 115 in all indicated programs; revise Computer Science Minor to account for new courses.

[Bachelor of Science Four-year \(B.Sc. Four-year\) - Computer Science](#)

[Bachelor of Science Three-year \(B.Sc. Three-year\) - Computer Science](#)

[Bachelor of Science Honours \(B.Sc. Honours\) - Computer Science](#)

[Bachelor of Science Honours Software Engineering Option \(B.Sc. Honours SE\) - Computer Science](#)

[Bachelor of Science Double Honours - Computer Science - Major 1](#)

C1 Science Requirement (minimum 15 credit units)

Choose **6 credit units** from the following:

- 3 credit units from [CMPT 116.3](#) or [CMPT 141.3](#)
- 3 credit units from [CMPT 117.3](#) or [CMPT 145.3](#)

Remaining credit units to be selected from the following areas, such that no more than 6 credit units are from any one area:

No change to current list.

Double Honours - Computer Science - Major 2 Requirements (42 credit units)

- [CMPT 214.3](#)
- [CMPT 215.3](#) or [CME 331.3](#)
- [CMPT 260.3](#)

- [CMPT 270.3](#)
- [CMPT 280.3](#)
- [CMPT 360.3](#)
- [CMPT 400.3](#)

Choose **6 credit units** from the following:

- 3 credit units from [CMPT 116.3](#) or [CMPT 141.3](#)
- 3 credit units from [CMPT 117.3](#) or [CMPT 145.3](#)

Choose **3 credit units** from the following:

- *No additional changes*

Computer Science - Minor

Students who, in conjunction with an Arts & Science degree in a different subject, take 18 credit units or more of Computer Science courses will receive a Minor in Computer Science. At least 3 credit units must be at the 300- or 400-level, and at most 3 credit units from [CMPT 100.3](#), [CMPT 102.3](#), ~~[CMPT 105.3](#)~~, [CMPT 140.3](#), ~~[CMPT 111.3](#)~~, [CMPT 141.3](#), [CMPT 113.3](#), [CMPT 116.3](#), and [CMPT 175.3](#). Courses listed under the “C6 Major Requirement” of the student’s program Major cannot be used to meet requirements for the Minor.

The Minor average in Computer Science will be calculated using the grades earned in all courses eligible to be included in the Minor program requirements. Students must complete at least two-thirds of the program requirements (rounded to the nearest highest multiple of 3 credit units) using courses offered by the University of Saskatchewan to meet the Residency requirement.

Rationale: Account for revisions to the 100-level CMPT courses.

Items for Information

The curricular revisions listed below were approved through the Arts & Science College Course and Program Challenge and are now submitted to the University Course Challenge for information.

DIVISION OF HUMANITIES AND FINE ARTS

English

Minor Course Revisions

ENG 206.3 An Introduction to Cultural Studies

Prerequisite change:

Old prerequisite(s) or co-requisite(s): 6 credit units of 100-level English; or 3 credit units of 100-level ENG and INTS 101.

New prerequisite(s): 6 credit units of 100-level English; or 3 credit units of 100-level ENG and INTS 101.

Rationale: Students need the preparation of the prerequisite course(s) in order to be successful in this course.

DIVISION OF SCIENCE

Minor program revisions

Type C (Science) programs – Humanities Writing Requirement (C2)

C2 Humanities Writing Requirement (6 credit units)

Choose **6 credit units** from the following:

- [CMRS 110.3](#)
- [CMRS 111.3](#)
- [ENG 110.6](#)
- [ENG 111.3](#)
- [ENG 112.3](#)
- [ENG 113.3](#)
- [ENG 114.3](#)
- [HIST 110.3](#)
- [HIST 111.3](#)
- [HIST 115.3](#)
- [HIST 120.6](#)
- [HIST 121.3](#)
- [HIST 122.3](#)
- [HIST 125.3](#)
- [HIST 135.3](#)
- [HIST 145.3](#)
- [HIST 151.3](#)
- [HIST 152.3](#)
- [HIST 155.3](#)
- [HIST 165.3](#)
- [HIST 170.6](#)
- [HIST 175.3](#)
- [INTS 101.12](#)
- [LIT 100.6](#)
- [PHIL 110.6](#)
- [PHIL 115.3](#)
- [PHIL 120.3](#)
- [PHIL 133.3](#)

Rationale: The introductory CMRS courses have similar writing requirements to other courses included on the list, and therefore are appropriate to be included.

DIVISION OF SOCIAL SCIENCES:

SOC 216.3 The Challenges and Promises of the Changing World of Work

1/2 (3L)

This survey course examines both classic and newly emerging perspectives in the sociology of work, with an emphasis on the Canadian context. We will focus on the changes in the organizational structures, meaning, and experience of work, paying special attention to differences and inequalities

associated with gender, class, and race. The readings include an introductory text, academic journal articles, and an auto ethnography from the popular literature. The course is divided into three sections. In the first section, the course will cover the nature, distribution, and experience of work in the new 'knowledge' globalized economy. The second section focuses on the inside of workplaces. The final section will apply the concepts from the first two sections to contemporary debates about the role of technology, foreign workers, the self-employed, and unions. Throughout the course, students will be invited to draw parallels and contrasts between the course content and their experiences in the workplace.

Prerequisite(s): ~~SOC 111 and SOC 112~~ 6 credit units of 100-level SOC; or approval of instructor

Edwards School of Business, November 2015 University Course Challenge Proposal:

Department of Accounting, Changes to the B.COMM Accounting Major

Passed by Curriculum Committee January 26, 2015

Passed by Edwards Faculty October 5, 2015

Bachelor of Commerce (B.Comm.) - Accounting (120)

Year 1 (30 credit units)

Year 2 (30 credit units)

Year 3 (30 credit units)

- [COMM 300.3](#)
- [COMM 306.3](#)
- [COMM 308.3](#)
- [COMM 321.3](#)
- [COMM 323.3](#)
- [COMM 337.3](#)

Choose **6 credit units** from the following:

- 100-level non-Commerce electives

Choose **9 6 credit units** from the following:

- free senior electives

Year 4 (30) credit units)

- [COMM 401.3](#)
- [COMM 402.3](#)
- ~~COMM 405.3~~ or [COMM 406.3](#)
- [COMM 407.3](#)
- [COMM 412.3](#)
- ~~COMM 413.3~~ [COMM 414.3](#) (new course proposal; see below)
- [COMM 421.3](#)
- [COMM 433.3](#)
- [COMM 438.3](#)

Choose **9 3 credit units** from the following:

- free senior electives

Rationale:

The new CPA-PEP has spelled out the entry level accounting knowledge expected of all entrants to the CPA-PEP. The proposed changes aligns the accounting major to the CPA entrance requirements. All the courses with the exception of COMM 414 are currently offered. Students take these as electives. The main effect will be that certain courses previously taken as electives (304, 433, 407) are now required and no longer an option for the student to not take. COMM 414 replaces COMM 413 as a required course and thus does not add an extra course to the major relative to COMM 413.

New Course Proposal: COMM 414.3**Integrative Analysis of Accounting Issues and Problems**

This course is a capstone in the accounting major. Through a variety of cases and experiential instructional resources, students will study topics in financial and managerial accounting, information systems, audit and taxation in an integrated and applied manner. Students will develop their analytical, problem-solving and communication skills and prepare for entry into the professional accounting education program following the completion of the major.

Permission of the department is required.

Restriction(s): Open to students in Edwards School of Business, pursuing the last year of their B.Comm. in Accounting.

Prerequisite(s): COMM 308 or COMM 406

Corequisite(s): One of COMM 407, COMM 421, COMM 433, or COMM 438

Rationale: With the introduction of the new requirements of the CPA PEP program we need a new class to deliver the required case analysis skills and exposure to integrative analysis of accounting issues. This course was designed originally to achieve broad based coverage of contemporary issues the content of which is now going to be distributed between the new case course, Comm 438 and Comm 412.