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MEMORANDUM

ATTENTION	Senate	DATE	April 6, 2018
FROM	Daniel Leznoff, Chair Senate Committee on Undergraduate Studies	PAGES	1/1
RE:	Program Changes		

For information:

Acting under delegated authority at its meeting of April 5, 2018 SCUS approved the following curriculum revisions effective Spring 2019.

a. Faculty of Applied Sciences (SCUS 18-30)**1. School of Mechatronics Systems Engineering**

- (i) Changes to the MSE Co-op requirements

b. Beedie School of Business (SCUS 18-31)

- (i) Addition of BUS 428 into the Accounting Concentration

c. Faculty of Communication, Art and Technology (SCUS 18-32)**1. School of Interactive Arts and Technology**

- (i) Changes to the continuance requirements for the SIAT Bachelor of Arts and Bachelor of Science programs
- (ii) Upper division requirement changes to the Second Degree Bachelor of Science and Bachelor of Arts programs



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MEMORANDUM

ATTENTION	Daniel Leznoff, Chair Senate Committee on Undergraduate Studies	DATE	March 22, 2018
FROM	Kevin Oldknow, Associate Dean Faculty of Applied Sciences	PAGES	1/4
RE:	Program changes		

The FAS Undergraduate Curriculum Committee in the Faculty of Applied Sciences has approved the following **program change**:

- 1.) Mechatronic Systems Engineering
 - I. Calendar Change
 - Revision to Co-op requirement for MSE degree

I. Calendar change for Co-op requirement

Background:

<http://www.sfu.ca/students/calendar/2018/summer/programs/mechatronic-systems-engineering/major/bachelor-of-applied-science.html>

Co-operative Education Work Experience

Every mechatronic systems engineering student completes three (3) work terms of practical experience in an appropriate industrial or research setting leading to a project under the technical direction of a practicing engineer or scientist. The goal is a complementary combination of work in an industrial or research setting and study in one of the engineering options, internship may be within the University but in most. The internship maybe within the University but in most cases the work site is off campus.

At least two of the three mandatory work terms must be completed in industry (MSE 293, 393, 493). Students may participate in additional work terms but are encouraged to seek diversity in their experience. The three mandatory work terms may include one special co-op term (MSE 294, 394, 494). Special co-op may include, but is not restricted to, self-directed, entrepreneurial, service or research co-op work terms. Permission of the engineering science co-op office is required.

An optional non-technical work term (MSE 193) is also available through the engineering science cooperative education office and is often completed after the first two study terms. MSE 193 does not count toward the mandatory three course requirement.

A member of the external organization and a school faculty member jointly supervise the project.

The mechatronic systems engineering cooperative education program will also seek opportunities for students wishing to complete their thesis requirements in an industrial setting. The honours thesis work can be done on or off campus, either integrated with an optional (or mandatory) work term, or as independent work with appropriate supervision.

Proposed changes:

Co-operative Education Work Experience

~~Every mechatronic systems engineering student completes three (3) work terms of practical experience in an appropriate industrial or research setting leading to a project under the technical direction of a practicing engineer or scientist. The goal is a complementary combination of work in an industrial or research setting and study in one of the engineering options, internship may be within the University but in most. The internship maybe within the University but in most cases the work site is off campus.~~

~~At least two of the three mandatory work terms must be completed in industry (MSE 293, 393, 493). Students may participate in additional work terms but are encouraged to seek diversity in their experience. The three mandatory work terms may include one special co-op term (MSE 294, 394, 494). Special co-op may include, but is not restricted to, self-directed, entrepreneurial, service or research co-op work terms. Permission of the engineering science co-op office is required.~~

MSE Students normally complete three mandatory co-op terms in industry (MSE 293, 393, 493). They may participate in additional work terms but are encouraged to seek diversity in their experience. The three mandatory work terms may include one special co-op term (MSE 294, 394, 494). Special co-op may include, but is not restricted to, self-directed, entrepreneurial, service or research co-op work terms. Permission of the MSE co-op office is required.

MSE students also have an opportunity to participate in research co-op terms, where they gain experience in an academic, research and/or lab setting at SFU. Ideally, at least two of the three mandatory work terms should be completed in industry unless compelling justification for research co-op is made. Students wishing to take three research co-ops should seek prior approval from the UCC Chair for their third research co-op.

~~An optional non-technical work term (MSE 193) is also available through the engineering science cooperative education office and which is often completed after the first two study terms. MSE 193 does not count toward the mandatory three co-op terms course requirement.~~

~~A member of the external organization and a school faculty member jointly supervise the project.~~

~~The mechatronic systems engineering cooperative education program will also seek opportunities for students wishing to complete their thesis requirements in an industrial setting. The honours thesis work can be done on or off campus, either integrated with an optional (or mandatory) work term, or as independent work with appropriate supervision.~~

FAS UCC items from MSE – March 22, 2018

Motion 1: Accept the above change for the MSE co-op requirements



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MEMORANDUM

ATTENTION	Daniel Leznoff, Chair Senate Committee on Undergraduate Studies	DATE	March 19, 2018
FROM	Dr. Peter Tingling, Associate Dean Beedie School of Business Undergraduate Programs	PAGES	1/1
RE:	Program changes		

The Beedie School of Business Undergraduate Curriculum Committee has approved the following program changes for Spring 2019:

1. Addition of BUS 428 to the Accounting Concentration

Would you please place this item on the agenda for the April 5, 2018 meeting of the Senate Committee on Undergraduate Studies?

Sincerely,

Dr. Peter Tingling
Associate Dean, Undergraduate Programs
Beedie School of Business



Calendar Entry Change
Beedie School of Business Undergraduate Program

Rationale for change:

This change incorporates BUS 428 Forensic Accounting & Data Analytics (3) into the Accounting Concentration. Please see rationale with the accompanying new course proposal for BUS 428.

Effective term and year:

Spring 2019

The following program(s) will be affected by these changes:

Major – Business Bachelor of Business Administration
Major – Mechatronic Systems Engineering and Business Double Degree Program Bachelor of Honours – Business Bachelor of Business Administration
Joint Major – Business and Economics Joint Major Bachelor of Arts or Bachelor of Business Administration
Joint Major – Interactive Arts and Technology and Business Bachelor of Arts or Bachelor of Business Administration
Joint Major – Interactive Arts and Technology and Business Bachelor of Science
Joint Honours – Business and Economics Bachelor of Arts or Bachelor of Business Administration

Calendar Change: “to” and “from” sections are not required. All deletions should be crossed out as follows: ~~sample~~. All additions should be marked by a **bold**.

Accounting

Admission to this concentration requires a cumulative grade point average of 2.70 or higher. Students may apply once they have completed their lower division requirements and have either completed or enrolled in both BUS 320 and 360W. Students must have a minimum grade of a C+ in both of these courses before they are admitted to the concentration. Only students admitted to this concentration will be permitted to enroll in upper division (300- and 400-level) accounting courses required for this concentration (with the exception of BUS 320).

Students must complete all* of

BUS 320 - Financial Accounting: Assets (3)
BUS 321 - Financial Accounting: Equities (3)
BUS 322 - Intermediate Managerial Accounting (3)
BUS 421 - Accounting Theory (3)
at least two* of



- BUS 420 - Advanced Accounting (3)
- BUS 424 - Advanced Managerial Accounting (3)
- BUS 426 - Auditing and Assurance: Concepts and Methods (3)
- BUS 427 - Financial Statement Analysis (3)
- BUS 428 - Forensic Accounting & Data Analytics (3)**
- BUS 490 - Selected Topics in Business Administration (3) **
- BUS 491 - Selected Topics in Business Administration (3) **
- BUS 492 - Selected Topics in Business Administration (3) **
- BUS 493 - Selected Topics in Business Administration (3) **
- BUS 494 - Selected Topics in Business Administration (3) **
- BUS 495 - Selected Topics in Business Administration (3) **
- BUS 496 - Selected Topics in Business Administration (5) **

*Must be completed at SFU.

** When offered as a selected topics course in Accounting.



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MEMORANDUM

ATTENTION	Daniel Leznoff, Chair Senate Committee on Undergraduate Studies	DATE	March 23, 2018
FROM	Carman Neustaedter School of Interactive Arts and technology Faculty of Communication Art and Technology	PAGES	1/1
RE:	Program changes		

The Undergraduate Curriculum committee in the Faculty of Communication, Art, and Technology has approved the following program changes:

1. Program Change: Motion to add a 2.0 CGPA requirement to the major continuance policy: Students in the School of Interactive Arts and Technology are required to maintain a minimum 2.0 CGPA and 2.40 GPA in their IAT courses. **(1 attachment)**

2. Program Change: For Second Degree BA/BSc, insert the following statement at the end of the "Upper Division Requirements" section (before the Concentration section): To register for the 400 level courses, students have to complete any required course prerequisites and a required upper division writing course IAT 309W. **(2 Attachments)**

3. Program Change: For Second Degree BA/BSc, change this statement: "A major in Interactive Arts and Technology requires 30 upper division IAT units. Of these, students must take IAT 309W. Of the total of 44 upper division units required to their degree, students must complete a total of 24 units chosen from the following science courses to satisfy their BSc requirements" to

 "Students must complete 44 upper division units as part of their degree. Of these, students must complete 30 upper division IAT units, including IAT 309W – Writing Methods for Research 3 and at least two 400-level IAT courses of 3 credits each, excluding directed studies. 24 of the 30-upper division IAT units must be chosen from the following science/art courses to satisfy BA/BSc requirements". **(2 Attachments)**



Calendar Entry Change
Name of Program or Name of Faculty

Effective term and year: Spring 2019

The following program(s) will be affected by these changes:

Bachelor of Arts

<https://www.sfu.ca/students/calendar/2018/summer/programs/interactive-arts-and-technology/major/bachelor-of-arts.html>

Bachelor of Science

<https://www.sfu.ca/students/calendar/2018/summer/programs/interactive-arts-and-technology/honours/bachelor-of-science.html>

Calendar Change: "to" and "from" sections are not required. All deletions should be crossed out as follows: ~~sample~~. All additions should be marked by a **bold**.

Bachelor of Arts/Bachelor of Science

The School of Interactive Arts and Technology (SIAT) offers a bachelor of arts (BA) and a bachelor of science (BSc) degree in interactive arts and technology with three concentrations: design, media arts and interactive systems.

Admission Requirements

Please refer to the admission requirements section.

Program Requirements

Prerequisite Grade Requirement

Interactive Arts and Technology course entry requires a grade of C- or better in each prerequisite course.

Students must obtain permission from the department if they wish to complete, for further credit, any course that is a prerequisite for a course the student has already completed with a grade of C- or higher.

Continuance Requirements

~~Students in the School of Interactive Arts and Technology are required to maintain a 2.4 GPA in their IAT courses.~~ **Students in the School of Interactive Arts and Technology are required to**



maintain a minimum 2.0 CGPA and 2.40 GPA in their IAT courses. Students who fall below this continuance requirement will be placed on academic warning in the School of Interactive Arts and Technology and will have two semesters to bring their IAT GPA to a 2.4 or higher. Failure to do so will result in removal from the Interactive Arts and Technology Major or Joint Major program.

Students removed from the Interactive Arts and Technology Major or Joint Major program will be placed in the Faculty of Communication, Art and Technology Double Minor Program. Students wishing to transfer back into the Major or Joint Major will need to meet the admission requirements to obtain re-entry.

Calendar Entry Change

Name of Program or Name of Faculty

Rationale for change:

The School of Interactive Arts and Technology (SIAT) curriculum structure uses a minimum number of essential prerequisites to allow for flexible access to courses across three main areas of concentration. To support an orderly progression through the curriculum, SIAT has historically used a minimum number of credits as a prerequisite mechanism for an orderly progression through the program. This has been distorted over the years, as the changes to the individual courses did not adhere to this curriculum design principle. This motion aims to correct this by stressing the importance of completing lower division requirements and a required upper division writing course before taking 400 level courses.

Effective term and year: Spring 2019

The following program(s) will be affected by these changes:

Second Degree BSc

<https://www.sfu.ca/students/calendar/2018/summer/programs/interactive-arts-and-technology-second-degree/bachelor-of-science.html>

Calendar Change: “to” and “from” sections are not required. All deletions should be crossed out as follows: ~~sample~~. All additions should be marked by a **bold**.

Admission Requirements

Please refer to the admission requirements section.

Program Requirements

Prerequisite Grade Requirement

Interactive Arts and Technology course entry requires a grade of C- or better in each prerequisite course.

Students must obtain permission from the department if they wish to complete, for further credit, any course that is a prerequisite for a course the student has already completed with a grade of C- or higher.

Continuance Requirements

Students in the School of Interactive Arts and Technology are required to maintain a 2.0 CGPA and a 2.4 GPA in their IAT courses. Students who fall below this continuance requirement will be placed on academic warning in the School of Interactive Arts and Technology and will have two semesters to bring their IAT GPA to a 2.4 or higher. Failure to do so will result in removal from the Interactive Arts and Technology Major or Joint Major program.

Students removed from the Interactive Arts and Technology Major or Joint Major program will be placed in the Faculty of Communication, Art and Technology Double Minor Program. Students wishing to transfer back into the Major or Joint Major will need to meet the admission requirements to obtain re-entry.

Upper Division Requirements

~~A major in Interactive Arts and Technology requires 30 upper division IAT units. Of these, students must take IAT 309W.~~

~~Of the total of 44 upper division units required to their degree, students must complete a total of 24 units chosen from the following science courses to satisfy their BSc requirements:~~

Students must complete 44 upper division units as part of their degree. Of these, students must complete 30 upper division IAT units, including IAT 309W – Writing Methods for Research and at least two 400-level IAT courses of 3 credits each, excluding directed studies.

24 of the 30 upper division IAT units must be chosen from the following science courses to satisfy BSc requirements:

- IAT 333 - Interaction Design Methods (3)
- IAT 336 - Materials in Design (3)
- IAT 351 - Advanced Human-Computer Interaction (3)
- IAT 352 - Internet Computing Technologies (3)
- IAT 355 - Introduction to Visual Analytics (3)
- IAT 381 - Special Topics in Interactive Arts and Technology (Science) (3)
- IAT 410 - Advanced Game Design (3)
- IAT 432 - Design Evaluation (3)
- IAT 437 - Representation and Fabrication (3)
- IAT 452 - Developing Design Tools (3)
- IAT 455 - Computational Media (3)
- IAT 481 - Special Topics in Interactive Arts and Technology (Science) (3)
- IAT 499 - Graduation Project (6)

Or upper division course from: computing science (CMPT), engineering science (ENSC), biomedical physiology and kinesiology (BPK), management and systems science (MSSC),

mathematics (MATH), mathematics and computing science (MACM), cognitive science (COGS), or psychology (PSYC)

To register for 400 level courses, students have to complete any required course pre-requisites and a required upper division writing course IAT 309W.



Calendar Entry Change

Name of Program or Name of Faculty

Rationale for change:

The School of Interactive Arts and Technology (SIAT) curriculum structure uses a minimum number of essential prerequisites to allow for flexible access to courses across three main areas of concentration. To support an orderly progression through the curriculum, SIAT has historically used a minimum number of credits as a prerequisite mechanism for an orderly progression through the program. This has been distorted over the years, as the changes to the individual courses did not adhere to this curriculum design principle. This motion aims to correct this by stressing the importance of completing lower division requirements and a required upper division writing course before taking 400 level courses.

Effective term and year: Spring 2019

The following program(s) will be affected by these changes:

Second Degree BA -

<https://www.sfu.ca/students/calendar/2018/summer/programs/interactive-arts-and-technology-second-degree/bachelor-of-arts.html>

Calendar Change: "to" and "from" sections are not required. All deletions should be crossed out as follows: ~~sample~~. All additions should be marked by a **bold**.

Admission Requirements

Please refer to the admission requirements section.

Program Requirements

Prerequisite Grade Requirement

Interactive Arts and Technology course entry requires a grade of C- or better in each prerequisite course.

Students must obtain permission from the department if they wish to complete, for further credit, any course that is a prerequisite for a course the student has already completed with a grade of C- or higher.



Continuance Requirements

Students in the School of Interactive Arts and Technology are required to maintain a 2.0 CGPA and a 2.4 GPA in their IAT courses. Students who fall below this continuance requirement will be placed on academic warning in the School of Interactive Arts and Technology and will have two semesters to bring their IAT GPA to a 2.4 or higher. Failure to do so will result in removal from the Interactive Arts and Technology Major or Joint Major program.

Students removed from the Interactive Arts and Technology Major or Joint Major program will be placed in the Faculty of Communication, Art and Technology Double Minor Program. Students wishing to transfer back into the Major or Joint Major will need to meet the admission requirements to obtain re-entry.

Upper Division Requirements

~~A major in Interactive Arts and Technology requires 30 upper division IAT units. Of these, students must take IAT 309W.~~

~~Of the total of 44 upper division units required to their degree, students must complete a total of 24 units chosen from the following science courses to satisfy their BSc requirements:~~

Students must complete 44 upper division units as part of their degree. Of these, students must complete 30 upper division IAT units, including IAT 309W – Writing Methods for Research and at least two 400-level IAT courses of 3 credits each, excluding directed studies.

24 of the 30 upper division IAT units must be chosen from the following arts courses to satisfy BA requirements:

- IAT 312 - Foundations of Game Design (3)
- IAT 313 - Narrative and New Media (3)
- IAT 320 - Body Interface (3)
- IAT 334 - Interface Design (3)
- IAT 343 - Animation (3)
- IAT 344 - Moving Images (3)
- IAT 380 - Special Topics in Interactive Arts and Technology (Arts) (3)
- IAT 431 - Speculative Design (3)
- IAT 438 - Interactive Objects and Environments (3)
- IAT 443 - Interactive Video (3)
- IAT 445 - Immersive Environments (3)
- IAT 480 - Special Topics in Interactive Arts and Technology (Arts) (3)
- IAT 499 - Graduation Project (6)

any upper division course from communication (CMNS), publishing (PUB), cognitive science (COGS), arts (FPA), human geography (GEOG), philosophy (PHIL), business (BUS), or



psychology (PSYC)

To register for 400 level courses, students have to complete any required course pre-requisites and a required upper division writing course IAT 309W.