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MEMORANDUM

ATTENTION	Senate	DATE	December 6, 2019
FROM	Wade Parkhouse, Chair Senate Committee on Undergraduate Studies	PAGES	1/2
RE:	Program Changes		

For information:

Acting under delegated authority at its meeting of December 5, 2019 SCUS approved the following curriculum revisions effective Fall 2020.

**a. Beedie School of Business (SCUS 19-72)**

- (i) Requirement changes to the Business Technology Management Certificate

**b. Faculty of Communication, Art and Technology (SCUS 19-73)**

**1. School for the Contemporary Arts**

- (i) Changes to description, admission and upper and lower division requirements for the Dance Extended Minor program
- (ii) Description, admission and lower division requirement changes to the Film Extended Minor program
- (iii) Changes to admission and lower division requirements for the Music Extended Minor program
- (iv) Changes to the admission and the upper and lower division requirements for the Theatre Extended Minor program
- (v) Changes to description, admission and the upper and lower division requirements for the Visual Art Extended Minor program

**c. Faculty of Science (SCUS 19-74)**

1. Department of Biological Sciences

- (i) Requirement changes to the Cells, Molecules, and Physiology (CMP) Concentration for the Major and Honour Programs in Biological Sciences.

Senators wishing to consult a more detailed report of curriculum revisions may do so on the Senate Docushare repository at <https://docushare.sfu.ca/dsweb/View/Collection-12682>.



**Calendar Entry Change: Business Technology Management Certificate  
Beedie School of Business Undergraduate Program**

Rationale for change:

BUS 440 Simulation in Management Decision-making is a more appropriate course option for the BTM Certificate than BUS 338 foundations of innovation as BUS 440 provides students an opportunity to use and assess simulation models for decision-making grounded in business processes. It specifically complements existing MIS courses such as BUS 362, BUS 464 and BUS 462. Many of the facets of the existing BUS 338 course are covered either in existing MIS offerings or the lower division business courses.

The Selected topics (specified by MIS area) are being added as options for the certificate because they will target crucial gaps in current MIS offerings which need to be met in view of the fast pace of the technology-intensive industry sectors.

Effective term and year:

Fall 2020

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

Business Technology Management Certificate

**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**.

Core Courses

Students must complete all of

BUS 361 - Project Management (3)

BUS 362 - Business Process Analysis (4)

BUS 462 - Business Analytics (3)

BUS 464 - Business Data Management (3)

BUS 468 - Managing Information Technology for Business Value (3)

Students must complete the courses associated with one of the two following specializations for the certificate:

Management Information Systems Specialization

BUS 465 - Business Systems Development (3)

and any two of

~~BUS 338 - Foundations of Innovation (3)~~

**BUS 440 - Simulation in Management Decision-making (4)**

BUS 466 - Web-Enabled Business (3)



BUS 486 - Leadership (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) \***

**\* When offered as a selected topics course in Management Information Systems.**

and one of

CMPT 120 - Introduction to Computing Science and Programming I (3)

CMPT 165 - Introduction to the Internet and the World Wide Web (3)

IAT 201 - Human-Computer Interaction and Cognition (3)

Financial Services Specialization

All of

BUS 410 - Financial Institutions (3)

BUS 413 - Corporate Finance (4)

BUS 418 - International Financial Management (3)



**Calendar Entry Change**

**Name of Program or Name of Faculty**

Rationale for change: 1) To align with SFU policy that lower division requirements of the extended minor are equivalent to those of the major. 2) To clarify and standardize language regarding admission and continuance requirements. 3) To standardize the language regarding course repeatability. 4) To add CA 324, 427, and 428 to the list of options for upper division requirement
Effective term and year: Fall 2020
The following program(s) will be affected by these changes:  Dance Extended Minor

**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**.

**Dance Extended Minor**

This program is intended primarily for students who wish to obtain a bachelor of arts degree with a view to teaching dance in the public schools. It may be used in combination with another extended minor. The program is balanced with dance technique, composition and theory, and some work in a relevant art discipline other than dance.

~~Continuation in the dance extended minor is contingent upon successful completion of CA 122, 123, 124 and 129 and approval of the dance area. Interviews are held at the end of the first year and approval is based on the student’s potential, progress, academic record and program suitability.~~

~~Students are encouraged to plan their program in consultation with the school’s advisor. Students without sufficient dance training to audition for program entry may enrol in CA 120.~~

**Admission Requirements**

Program and course admission is contingent upon University admission. Contact Student Services for admission procedures, requirements and deadlines. Entry to all programs **in the School for the Contemporary Arts and to many courses** is by audition, interview or application. Contact the school’s office for information on procedures and deadlines.

Although the University operates on a trimester system, most CA courses are planned in a two term (fall and spring) sequence. Consequently, students enter in the fall term (September) and are advised to contact the school in the preceding January for program entry and requirements information.

**Entry to the Dance Extended Minor program is by audition/interview, usually in early spring or late summer. Contact the school to make an appointment.**



**Students are encouraged to plan their program in consultation with the school's advisor. Students without sufficient dance training to audition for program entry may enrol in CA 120.**

Entry to CA 122 Contemporary Dance I is by audition/interview usually in early spring. Contact the school to make an appointment.

**Continuation in the dance extended minor is contingent upon successful completion of CA 122, 123, 124 and 129 and approval of the dance area. Interviews are held at the end of the first year and approval is based on the student's potential, progress, academic record and program suitability.**

**A minimum 2.4 SCA GPA and 2.0 CGPA is required to remain in good standing in the program.**

### Transfer Credit and Advanced Standing

Unassigned or general elective (type 2 and 3, respectively) transfer credit awarded for courses completed at other recognized post-secondary institutions will not automatically entitle students to advanced standing in the school's programs. Advanced standing is generally given on an individual basis as a result of an audition or interview.

## About the School's Course Offerings

Students are encouraged to take advantage of interdisciplinary offerings within the school. As many programs depend on a continuing sequence of courses completed in order, students should plan carefully to gain the maximum benefit and efficiency from their study.

Note that not all courses are offered every term and several are offered on a rotational basis, i.e. every third or fourth term. An advisor is available to help plan study programs.

Students are reminded that the school is an interdisciplinary fine and performing arts department, and are strongly advised to acquaint themselves with the many disciplinary courses that are available.

### Special Topics Courses

The subject matter (and prerequisites) of special or selected topics courses vary by term.

### Prior Approval Prerequisite

Where a prerequisite is or includes 'prior approval,' approval must be obtained before enrolling in the course. Contact the school for further information.

## Program Requirement

~~Entry is by audition/interview, usually in early spring or late summer, contact the school to make an appointment~~



### Lower Division Requirements

Students complete a minimum of 31 units including all of

CA 122 - Contemporary Dance I (5) \*  
CA 123 - Contemporary Dance II (5)  
CA 124 - Dance Improvisation and Composition (3)  
CA 129 - Movement Fundamentals (3)  
CA 220 - Contemporary Dance III (4)  
CA 221 - Contemporary Dance IV (4)  
CA 285 - Interdisciplinary Studio - Composition/Collaboration (3)

and one of

CA 227 - History of Dance: From the 20th Century to the Present (3) CA 228W - Dance Aesthetics (3)

and one of

CA 186 - Art and the Moving Image (3)  
CA 140 - Music after 1900 (3)  
CA 170 - Introduction to Production Technology (3)

\* May be completed more than once for credit.

Students complete a minimum of 45 units including:

Three core courses below:

CA 149 - Sound (3)  
CA 186 - Art and the Moving Image (3)  
CA 285 - Interdisciplinary Studio - Composition/Collaboration (3)

plus one additional CA history course outside their extended minor

and all of

CA 122 - Contemporary Dance I (5)  
CA 123 - Contemporary Dance II (5)  
CA 124 - Dance Improvisation and Composition (3)  
CA 127 - History of Dance: From the 20th Century to the Present (3)  
CA 129 - Movement Fundamentals (3)  
CA 220 - Contemporary Dance III (4)  
CA 221 - Contemporary Dance IV (4)  
CA 228W - Dance Aesthetics (3)

and three additional units in lower division CA courses outside of dance from below

CA 150 - Introduction to Acting (3)



**CA 160 - Introductory Studio in Visual Art I (3)**  
**CA 170 - Introduction to Production Technology (3)**  
**CA 171 - Introduction to Stage and Production Management (3)**

### Upper Division Requirements

Students complete a minimum of 17 units including all of

CA 320 - Contemporary Dance V (4)  
CA 321 - Contemporary Dance VI (4)

and a minimum of six units selected from

CA 322 - Intermediate Ballet I (3) \*  
CA 323 - Intermediate Ballet II (3) \*  
**CA 324 - New Dance Composition (3)**  
CA 325 - Special Project in Dance Composition (3) \*  
CA 326 - Repertory I (5) \*  
CA 327 - Repertory II (5) \*  
CA 420 - Contemporary Dance VII (4) \*  
CA 421 - Contemporary Dance VIII: Choreography Lab (4) CA 426 - Dance/Movement Analysis (3)  
**CA 427- Advanced Ballet I (3)\***  
**CA 428- Advanced Ballet II (3)\***

and one upper division CA course

\* May be ~~completed more than once~~ **repeated** for credit.



**Calendar Entry Change**

**Name of Program or Name of Faculty**

<p>Rationale for change:</p> <ol style="list-style-type: none"> <li>1) To align with SFU policy that lower division requirements of the extended minor are equivalent to those of the major.</li> <li>2) To clarify admission and continuance requirements.</li> <li>3) To update course codes and titles</li> <li>4) To standardize language regarding SCA history/theory courses</li> </ol>
<p>Effective term and year: Fall 2020</p>
<p>The following program(s) will be affected by these changes:</p> <p>Film Extended Minor</p>

**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**.

<p>Film Extended Minor</p> <p><b>This program is for students who wish to study film and video production &amp; post-production along with courses from other departments and programs within the University, including Contemporary Arts. Film has affinities with many social sciences and humanities disciplines, as well as with business and communication. Students studying in other Contemporary Arts areas may undertake an extended minor in Film in order to develop specific skills such as composing for film, multimedia installation, or directing actors, and may combine this with an extended minor in their own discipline.</b></p> <p>Admission Requirements</p> <p>Program and course admission is contingent upon University admission. Contact Student Services for admission procedures, requirements and deadlines. Entry to all programs <b>in the School for the Contemporary Arts and to many courses</b> is by audition, interview or application. Contact the school’s office for information on procedures and deadlines.</p> <p>Although the University operates on a trimester system, most CA courses are planned in a two term (fall and spring) sequence. Consequently, students enter in the fall term (September) and are advised to contact the school in the preceding January for program entry and requirements information.</p> <p><b>Entry to all first-year film production courses is by questionnaire and interview. Contact the school in early January to request an information letter and questionnaire.</b></p> <p><b>A minimum 2.4 SCA GPA and 2.0 CGPA is required to remain in good standing in the program.</b></p> <p>Program Requirements</p>
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This program is for students who wish to study film and video production & post-production along with courses from other departments and programs within the University, including Contemporary Arts. Film has affinities with many social sciences and humanities disciplines, as well as with business and communication. Students studying in other Contemporary Arts areas may undertake an extended minor in Film in order to develop specific skills such as composing for film, multimedia installation, or directing actors, and may combine this with an extended minor in their own discipline. Entry to all film production courses is by questionnaire and interview. Contact the school by early January for an information letter and questionnaire.

### Lower Division Requirements

Students complete a minimum of ~~28~~ **44** units including: all of

#### Three core courses below:

CA 149 - Sound (3)

CA 186 - Art and the Moving Image (3)

CA 285 - Interdisciplinary Studio - Composition/Collaboration (3)

plus one additional CA history/theory course outside their extended minor\*

and all of

CA 130 - Fundamentals of Film (4)

CA 131 - Filmmaking I (4)

CA 136 - The History and Aesthetics of Cinema I (3)

CA 137 - The History and Aesthetics of Cinema II (3)

CA 230 - Filmmaking II (5)

CA 231 - Filmmaking III (5)

CA 233 - The Techniques of Film (2)

and one of

CA 235 - Experimental Film and Video (3)

CA 236 - Cinema in Canada (3) +

CA 216 - Selected Topics in Cinema Studies (3) ++

and one of

CA 232 - Film Sound (3)

CA 238W - Screenwriting I (3)

\* See advisor for course options.

\*\* With prior approval, students may substitute lower division courses from other departments devoted to a film or video topic to fulfill this requirement.

+ recommended

++ may be repeated for credit

~~CA 130 - Fundamentals of Film (4)~~

~~CA 131 - Filmmaking I (4)~~

nine units from

- CA 136 – The History and Aesthetics of Cinema I (3)
- CA 137 – The History and Aesthetics of Cinema II (3)
- CA 235 – Experimental Film and Video (3)
- CA 236 – Cinema in Canada (3)
- CA 237 – Selected Topics in Film and Video Studies (3)\*

and at least eight units from

- CA 230 – Filmmaking II (5)
- CA 231 – Filmmaking III (5)
- CA 232 – Film Sound (3)
- CA 233 – The Techniques of Film (2)
- CA 238W – Screenwriting I (3)

and three units from another lower division CA course.

\* may include film and video analysis, national cinemas, genre, political cinema, etc., and may be repeated for credit when a different topic is offered.

### Upper Division Requirements

Students complete a minimum total of 17 units, including at least three of

- CA 332 - Film Production Seminar (3)
- CA 334 - Selected Topics in Film and Video Production (3)
- CA 338W - Screenwriting II (3)
- CA 339 - Directing and Acting for Film and Video (3)
- CA 386 - Film Music: An Overview of the Relationship between Music and Moving Pictures (3)
- CA 390 - Filmmaking IV (4)
- CA 393 - Filmmaking V (4)

An upper division CA studio course outside film may be substituted for one of the above.

and at least one of

- CA ~~335~~ **318** - ~~Introduction to Film Theory~~ **Theory and Cinema** (4)
- CA ~~337~~ **316** - Intermediate Selected Topics in ~~Film and Video~~ **Cinema** Studies (4) \*
- CA ~~436~~ **416** - Advanced Seminar in ~~Film and Video~~ **Cinema** Studies (4) \*

and one of

- CA 312 - Selected Topics in Art and Culture Studies (3)
- CA 314 - Readings in the History of Art and Culture (3)
- CA 317 - Introduction to Performance Studies (4) \*\*
- CA 412W - Advanced Seminar in Art and **Performance** Culture Studies (4)
- CA 414 - Advanced Topic in the History of Art, **Performance and Cinema** and Culture (3)

or another upper ~~or critical~~ course outside film.

\* these courses may include studies in film and video analysis, division CA history/**theory** national cinemas, genre, political cinema, etc. and may be repeated for credit when a different topic is offered.

\*\* students who received credit for CA 313 may also complete CA 317



**Calendar Entry Change**

**Name of Program or Name of Faculty**

Rationale for change:  1) To align with SFU policy that lower division requirements of the extended minor are equivalent to those of the major. 2) To clarify admission and continuance requirements. 3) To standardize SCA language regarding entry to programs.
Effective term and year: Fall 2020
The following program(s) will be affected by these changes:  Music Extended Minor

**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**

Program and course admission is contingent upon University admission. Contact Student Services for admission procedures, requirements and deadlines. Entry to all programs **in the School for the Contemporary Arts and to many courses** is by audition, interview or application. Contact the school’s office for information on procedures and deadlines.

Although the University operates on a trimester system, most CA courses are planned in a two term (fall and spring) sequence. Consequently, students enter in the fall term (September) and are advised to contact the school in the preceding January for program entry and requirements information.

~~Entry to the music program requires that students read music staff notation at a good to excellent level and possess a solid understanding of music fundamentals. Students must pass the SFU Music Entrance exam with a grade of B (or better) OR take the course CA 104 Music Fundamentals and achieve a grade of B (or better). SFU Music Entrance exams are held regularly throughout the year, so prospective students should contact the School for information regarding this requirement.~~

**Entry to the Music Extended Minor is on the basis of grades and an interview. Contact the general office for further information.**

**A minimum 2.4 SCA GPA and 2.0 CGPA is required to remain in good standing in the program.**

**Program Requirements**

**Lower Division Requirements**

Students complete a minimum total of ~~24~~ **36** units, including all of

**Three core courses below:**



CA 149 - Sound (3)  
CA 186 - Art and the Moving Image (3)  
CA 285 - Interdisciplinary Studio - Composition/Collaboration (3)

plus one additional CA history/theory course from outside of the music discipline

and all of

CA 140 - Music after 1900 (3)  
CA 145 - Introduction to Music Composition and Theory (3)  
CA 146 - Introduction to Music Composition and Theory II (3)  
CA 245 - Music Composition I (3)

and three of

CA 243 - Gamelan I (3)  
CA 246 - Music Composition II (3)  
CA 247 - Electroacoustic Music I (3)  
CA 248 - Conducting I (3)  
CA 249 - Selected Topics in Music I (3)  
CMNS 258 - History of Sound in Media (3)

and one additional CA studio course from outside the extended minor.

\* See advisor for course options.

~~CA 140 - Music after 1900 (3)~~  
~~CA 145 - Introduction to Music Composition and Theory (3)~~ ~~CA 149 - Sound (3)~~

and four of

~~CA 243 - Gamelan I (3)~~  
~~CA 245 - Music Composition I (3)~~  
~~CA 246 - Music Composition II (3)~~  
~~CA 247 - Electroacoustic Music I (3)~~ ~~CA 248 - Conducting I (3)~~  
~~CA 249 - Selected Topics in Music I (3)~~

and one CA lower division theory or history course outside music.

### Upper Division Requirements

Students complete a minimum total of 15 units, including three of

CA 341 - World Music (3)  
CA 343 - Gamelan II (3)  
CA 344 - Contemporary Music Analysis and Criticism (3)  
CA 345 - Music Composition III (4)  
CA 346 - Music Composition IV (4)  
CA 347 - Electroacoustic Music II (4)  
CA 348 - Conducting II (3)  
CA 349 - Selected Topics in Music II (3)  
CA 386 - Film Music: An Overview of the Relationship between Music and Moving Pictures (3)



CA 443 - Gamelan III (3)  
CA 445 - Music Composition V (4)  
CA 446 - Senior Project in Music Composition (5)  
CA 447 - Computer Music Composition (4)

and six additional units in upper division CA courses. Additional music courses may be used to fulfil this requirement.



**Calendar Entry Change**

**Name of Program or Name of Faculty**

Rationale for change:  1) To align with SFU policy that lower division requirements of the extended minor are equivalent to those of the major. 2) To clarify admission and continuance requirements. 3) To clarify the repeatability of courses 4) To allow for more flexibility in upper year course planning 5) To standardize SCA language regarding entry to programs.
Effective term and year: Fall 2020
The following program(s) will be affected by these changes:  Theatre Extended Minor

**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**.

<p><b>Admission Requirements</b></p> <p>Program and course admission is contingent upon University admission. Contact Student Services for admission procedures, requirements and deadlines. Entry to all programs <b>in the School for the Contemporary Arts and many courses</b> is by audition, interview or application. Contact the school’s office for information on procedures and deadlines or visit our website.</p> <p>Although the University operates on a trimester system, most CA courses are planned in a two term (fall and spring) sequence. Consequently, students enter in the fall term (September) and are advised to contact the school in the preceding January for program entry and requirements information.</p> <p><b>A minimum 2.4 SCA GPA and 2.0 CGPA is required to remain in good standing in the program.</b></p> <p><b>Lower Division Requirements</b></p> <p>Students complete a minimum total of <del>30</del> <b>42</b> units; including all of</p> <p><del>CA 149 – Sound (3)</del>  <del>CA 170 – Introduction to Production Technology (3)</del>  <del>CA 171 – Introduction to Stage and Production Management (3)</del> <del>CA 186 – Art and the Moving Image (3)</del>  <del>CA 257W – Context of Theatre I (3)</del>  <del>CA 270 – Production Ensemble I (6)</del>  <del>CA 271 – Production Ensemble II (6)</del>  <del>CA 285 – Interdisciplinary Studio – Composition/Collaboration (3)</del></p> <p><b>Three core courses below</b></p> <p><b>CA 149 - Sound (3)</b>  <b>CA 186 - Art and the Moving Image (3)</b></p>
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**CA 285 - Interdisciplinary Studio - Composition/Collaboration (3)**

**plus one additional CA history/theory course outside their extended minor\***

**and all of**

**CA 150 - Introduction to Acting (3)**

**CA 170 - Introduction to Production Technology (3)**

**CA 171 - Introduction to Stage and Production Management (3)**

**CA 257W - Context of Theatre I (3)**

**CA 270 - Production Ensemble I (6)**

**CA 271 - Production Ensemble II (6)**

**and one of**

**CA 120 - Introduction to Dance Forms: Contemporary and Popular (3)**

**CA 124 - Dance Improvisation and Composition (3)**

**CA 129 - Movement Fundamentals (3)**

**and one of**

**CA 160 - Introductory Studio in Visual Art I (3)**

**CA 161 - Introductory Studio in Visual Art II (3)**

**\* See advisor for course options.**

### Upper Division Requirements

Students complete a minimum total of ~~17~~ **18** units, including all of

CA 357W - Context of Theatre II (3)

CA 374 - Stage Lighting (4)

CA 375 - Stage Design (4)

and one of

CA 370 - Production Ensemble III (6) \*

CA 371 - Production Ensemble IV (6) \*

**\* May be repeated for credit**

and one of

~~CA 325 - Special Project in Dance Composition (3) CA 353 - BlackBox Performance (4)~~

~~CA 389 - Selected Topics in the Fine and Performing Arts II (3) CA 470 - Production Ensemble V (6)~~

~~CA 471 - Production Ensemble VI (6)~~

~~or any other upper division CA history or theory course outside of Theatre.~~



**Calendar Entry Change**

**Name of Program or Name of Faculty**

Rationale for change:  1) To align with SFU policy that lower division requirements of the extended minor are equivalent to those of the major. 2) To clarify admission and continuance requirements. 3) To clarify the repeatability of courses 4) To update course codes and titles 5) To standardize SCA language regarding entry to programs.
Effective term and year: Fall 2020
The following program(s) will be affected by these changes:  Visual Art Extended Minor

**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**.

<p>This program may interest those who wish to obtain a bachelor of arts (BA) degree by completing an extended minor program. The program offers studio, history and theory courses in visual art, giving a good introduction to contemporary art issues and practices. A extended minor may be used for the purpose of teaching in public and private schools.</p> <p>Methods and concepts courses are offered simultaneously as upper and lower division courses. <del>with the exception of CA 269/369, they may only be completed once for credit, either as a lower division course or an upper division course, but not both.</del></p> <p><b>Admission Requirements</b></p> <p>Program and course admission is contingent upon University admission. Contact Student Services for admission procedures, requirements and deadlines. Entry to all programs <b>in the School for the Contemporary Arts</b> <del>and to many courses</del> is by audition, interview or application. Contact the school’s office for information on procedures and deadlines.</p> <p>Although the University operates on a trimester system, most CA courses are planned in a two term (fall and spring) sequence. Consequently, students enter in the fall term (September) and are advised to contact the school in the preceding January for program entry and requirements information.</p> <p><b>Entry to the Visual Art Extended Minor is granted based on grades and portfolio assessment. Contact the general office for further information.</b></p> <p><b>A minimum 2.4 SCA GPA and 2.0 CGPA is required to remain in good standing in the program.</b></p> <p><b>Transfer Credit and Advanced Standing</b></p>
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Unassigned or general elective (type 2 and 3, respectively) transfer credit awarded for courses completed at other recognized post-secondary institutions will not automatically entitle students to advanced standing in the school's programs. Advanced standing is generally given on an individual basis as a result of an audition or interview.

### About the School's Course Offerings

Students are encouraged to take advantage of interdisciplinary offerings within the school. As many programs depend on a continuing sequence of courses completed in order, students should plan carefully to gain the maximum benefit and efficiency from their study. Note that not all courses are offered every term and several are offered on a rotational basis, i.e. every third or fourth term. An advisor is available to help plan study programs.

Students are reminded that the school is an interdisciplinary fine and performing arts department, and are strongly advised to acquaint themselves with the many disciplinary courses that are available.

### Special Topics Courses

The subject matter (and prerequisites) of special or selected topics courses vary by term.

### Prior Approval Prerequisite

Where a prerequisite is or includes 'prior approval,' approval must be obtained before enrolling in the course. Contact the school for further information.

## Program Requirements

### Lower Division Requirements

Students complete a minimum of 3039 units including: all of

#### Three core courses below:

CA 149 - Sound (3)

CA 186 - Art and the Moving Image (3)

CA 285 - Interdisciplinary Studio - Composition/Collaboration (3)

plus one additional CA history/theory course outside their extended minor

and all of

CA 117

CA 118

CA 160 - Introductory Studio in Visual Art I (3)

CA 161 - Introductory Studio in Visual Art II (3)

~~CA 186 - Art and the Moving Image (3)~~

CA 210W - Artworks, Theories, Contexts (3)

CA 260 - Studio in Visual Art I (3)

CA 261 - Studio in Visual Art II (3)

Modern Art History (3)

Contemporary Art History (3)



**and two of**

- CA 262 - Methods and Concepts: Drawing-based Practices (3)
- CA 263 - Methods and Concepts: Painting-based Practices (3)
- CA 264 - Methods and Concepts: Sculptural Practices (3)
- CA 265 - Methods and Concepts: Photo-based Practices (3)
- CA 269 - Methods and Concepts: Selected Topics (3) \*

\* may be repeated for credit **if the topic is different.** ~~more than once under a different topic. Topics may change every term and include, but are not limited to, installation practices, performance practices, digital 2D practices, and time-based media practices.~~ Contact the school for further information.

**Upper Division Requirements**

Students complete a minimum of 15 units including six units of

- CA 362 - Methods and Concepts: Drawing-based Practices (3)
- CA 363 - Methods and Concepts: Painting Practices (3)
- CA 364 - Methods and Concepts: Sculptural Practices (3)
- CA 365 - Methods and Concepts: Photo-based Practices (3)
- CA 369 - Methods and Concepts: Selected Topics (3) \*

and nine CA upper division units including one history/theory courses.

\* \* may be repeated for credit **if the topic is different.** ~~more than once under a different topic. Topics may change every term and include, but are not limited to, installation practices, performance practices, digital 2D practices, and time-based media practices.~~ Contact the school for further information.

**Calendar Entry Change**  
**Biological Sciences**

Rationale for change:

To add BISC 428 Cell Anatomy to the list upper division electives in the Cells, Molecules and Physiology concentration for both the Major and Honour in Biological Sciences.

Effective term and year: Fall 2020

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

Biological Sciences major  
Biological Sciences honours

**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**.

**Cells, Molecules, and Physiology (CMP) Concentration**

This concentration is for students who wish to specialize in Cell Biology, Molecular Biology, and Physiology. The program provides flexibility for students to pursue their interests across these disciplines.

...

and at least four additional stream electives from

- BISC 302W - Genetic Analysis (3)
- BISC 303 - Microbiology (4)
- BISC 313 - Environmental Toxicology: A Mechanistic Perspective (3)
- BISC 357 - Genetic Engineering (4)
- BISC 403 - Current Topics in Cell Biology (3)
- BISC 405 - Neurobiology (3)
- BISC 421 - Models in Biology: From Molecules to Migration (3)
- BISC 423 - Developmental Neurobiology (3)
- BISC 424 - Applied Genomics (3)
- BISC 425 - Sensory Biology (3)
- BISC 428 - Cell Anatomy (3)**
- BISC 439 - Industrial Microbiology (4)



BISC 445 - Environmental Physiology of Animals (3)  
BISC 455 - Endocrinology (3)  
BISC 457 - Plant Molecular Biology and Biotechnology (3)  
BISC 471 - Special Topics in Cells, Molecules and Physiology (3)  
BISC 472 - Special Topics in Cells, Molecules and Physiology (3)  
BISC 475 - Special Topics in Biology (3)  
BISC 497W - Undergraduate Research: Writing Intensive (3)  
BISC 498 - Undergraduate Research I (3)  
BISC 499 - Undergraduate Research II (3)  
BPK 408W - Cellular Physiology Laboratory (3)