

DATE: May 28, 2025

TO: Senate

FROM: Dr. David Hornsby, Vice-Provost and Associate Vice-President (Academic), and Chair, Senate Quality Assurance and Planning Committee

RE: 2026-27 Calendar Curriculum Proposals  
**Undergraduate Major Modifications**

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### **Background**

Following Faculty Board approval, as part of academic quality assurance, major curriculum modifications are considered by the Senate Quality Assurance and Planning Committee (SQAPC) before being recommended to Senate. Major curriculum modifications are also considered by the Senate Committee on Curriculum, Admissions and Studies Policy (SCCASLP).

### **Library Reports (as required)**

In electronic communication members of the Library staff, upon review of the proposals, confirmed no additional resources were required for the major modifications included below.

### **Documentation**

Recommended calendar language, along with supplemental documentation as appropriate, are provided for consideration and approval.

### **Omnibus Motion**

In order to expedite business with the multiple changes that are subject to Senate approval at this meeting, an omnibus motion will be moved and include all items below. Senators may wish to identify any of the 5 major modifications that they feel warrant individual discussion that will then not be covered by the omnibus motion. Independent motions as set out below will nonetheless be written into the Senate minutes for those major modifications that Senators agree can be covered by the omnibus motion.

**THAT** Senate approve the major modifications as presented below.

### **Major Modifications**

#### **1. Undergraduate Programs in Communication and Media Studies**

SCCASLP approval: May 6, 2025

SQAPC approval: May 8, 2025

### **Senate Motion June 6, 2025**

**THAT** Senate approve the introduction of the concentrations in Government and Professional Communication; Media and Entertainment Industries; and Public Engagement and Civic Culture to the B. ComS program as presented with effect from Fall 2026.

**2. Undergraduate Program in Economics: Concentration in Development**

SCCASP approval: May 6, 2025

SQAPC approval: May 8, 2025

**Senate Motion June 6, 2025**

**THAT** Senate approve the major modification and name change to the undergraduate Economics concentration in Development and Environment as presented with effect from Fall 2026.

**3. Undergraduate Program in Earth Sciences**

SCCASP approval: May 6, 2025

SQAPC approval: May 8, 2025

**Senate Motion June 6, 2025**

**THAT** Senate approve the deletion of the Earth Sciences concentrations in Finance: Resource Valuation; Geophysics; Resource Economics; and Vertebrate Paleontology and Paleoecology as presented with effect from Fall 2026.

**4. Earth Sciences in Vertebrate Paleontology and Paleoecology**

SCCASP approval: May 6, 2025

SQAPC approval: May 8, 2025

**Senate Motion June 6, 2025**

**THAT** Senate approve the major modification to the undergraduate Earth sciences programs in Vertebrate paleontology and Paleoecology as presented with effect from Fall 2026.

**5. Undergraduate Programs in Linguistics**

SCCASP approval: May 6, 2025

SQAPC approval: May 8, 2025

**Senate Motion June 6, 2025**

**THAT** Senate approve the major modifications to the BSc program and concentrations in Linguistic as presented with effect from Fall 2026.

## MEMORANDUM

**To:** Senate Quality Assurance and Planning Committee (SQAPC)

**From:** Benjamin Woo, Associate Director, School of Journalism and Communication & Program Head, Communication and Media Studies; Liam Young, Associate Professor and Undergraduate Supervisor, Communication and Media Studies

**CC:** Brenda O'Neill, Dean, and Vandna Bhatia, Associate Dean Academic, Faculty of Public and Global Affairs

**Date:** 14 February 2025

**Subject:** Major Modification to Communication and Media Studies (B.CoMS). Track A2

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### **Modification Description**

The Communication and Media Studies program wishes to establish three new concentrations (3.5 credits) for its B.CoMS in the following areas:

- Government and Professional Communication
- Media and Entertainment Industries
- Public Engagement and Civic Culture

Please see Appendix A for the calendar structure of each.

The concentrations are optional and designed to allow students to declare upon reaching second year standing.

The three concentrations do not capture the full scope of the B.CoMS degree, but rather provide semi-structured pathways through our program that correspond to areas of current student interest and sectors where many of our alumni work (government, media industries, non-profit organizations). Each has been designed to draw on language and areas of strength that are already used to describe and market our program. The concentrations will help us better signal to students, prospective and current, significant pathways through the B.CoMS degree and into the workforce.

Overall, we believe the concentrations will provide:

- 1) **structure and community** for students with defined interests in these areas
- 2) a new avenue for **student choice** that allows our program to remain competitive with comparable programs in Ontario and Canada that offer concentrations, specializations, or other tailored degree elements
- 3) an **additional credential** that will enhance students' resumes and marketability as candidates for employment and graduate study
- 4) a new **recruitment tool** for use in marketing the program that speaks directly to interests and career aspirations conveyed by prospective students in recruiting conversations

- 5) explicit emphasis on **key areas of our curriculum** that are currently implicit
- 6) a tool to help **balance enrolments** in our 3000 and 4000-level elective offerings, particularly the required COMS 45XX workshop courses

This change requires no new courses or structural changes to the B.CoMS curriculum and is anticipated to have a low resourcing impact. To ensure the latter, we will adopt a 9.0 CGPA requirement for enrolment in the concentrations for at least the first phase of implementation. Roughly 30% of our students at second year standing and above would be eligible to declare concentrations under this model, which we intend to monitor and revisit as the concentrations come on stream.

### **Impact on Other Programs**

We do not believe the concentrations will materially affect other programs at Carleton. Their focuses have been selected to avoid cannibalizing on either the Certificate in Science Communication or the B.PAPM's Communication and Policy Studies specialization, and the recent discontinuation of the Certificate and Minor in Professional Writing avoids potential overlaps with our proposed concentration in Government and Professional Communication.

### **Impact on Learning Outcomes and Curriculum Map**

Communication and Media Studies is currently undergoing a cyclical program review, for which we are reviewing and revising program learning outcomes. The concentrations have been developed in conversation with that process. As optional program elements within the B.CoMS curriculum, the concentrations support these program learning outcomes, with particular emphasis on those bolded.

Students who complete a B.CoMS will be able to:

1. identify factors, forces, and struggles shaping communication and media, past and present;
2. explain key concepts and debates in communication and media studies;
3. **use principles of research design to interpret and assess information about communication and media;**
4. situate communication practices and media institutions in global contexts;
5. **critically reflect on their responsibilities as media users and creators;** and
6. **communicate their knowledge, individually and collaboratively, using written, oral, and multimedia presentation methods appropriate to different audiences.**

Students who complete a B.CoMS Hons. (20-credit) will additionally be able to:

7. **apply their knowledge of theory and method to multiple domains of communication and media;**
8. **incorporate theory, empirical evidence, and ethics in applied scenarios;** and
9. analyze the social, political, and ethical stakes of knowledge claims about communication and media.

The above are pending approval of the COMS program committee and subject to minor revision prior to submission in March for the 2025-26 CPR.

### **Societal Need**

The concentrations aim to prepare students to meet high demand for communication professionals and practitioners in the private and public sectors.

- **Government and Professional Communication**: every federal ministry has a communications team, as does every NGO and company that does business with government. Neither UOttawa's nor our own COMS program currently offer a degree element that specifically addresses this societal and market demand.
- **Media and Entertainment Industries**: Streaming and other platforms are transforming the social media and entertainment ecosystem, but core skills and intellectual tools offered in our program and emphasized in this concentration remain relevant for students seeking to enter these industries and policy domains. These sectors require students who can think, read, write, produce, present and collaborate in critical and creative ways – particularly as lines between entertainment and politics continue to blur.
- **Public Engagement and Civic Culture**: Community and non-profit organizations similarly require students with these skills. This concentration highlights courses in our program dedicated to helping students consider, develop, and sustain their commitments to social justice, anti-racism, diversity, equity, inclusion, de-colonization, and the public good more broadly.

The concentrations embody an ethic at the heart of our program: communication on its own will not solve all the world's problems, but no problem can be solved without effective communication.

### **Students**

COMS undergraduate supervisors and program heads, past and present, have consistently reported these areas as points of emphasis in conversations with and questions from prospective students, who express intellectual and career aspirations in the sectors the concentrations represent.

COMS faculty report that current B.CoMS students also express similar interests in these areas in their courses, and the undergraduate Carleton Communication Society regularly hosts events that focus on career prospects in these areas, which often include B.CoMS alum with direct experience entering these job markets. In informal conversations, CCS students have expressed support of the proposed concentrations and agree there is sufficient demand in the student body to justify their establishment.

The COMS Undergraduate Supervisor, Liam Young, additionally received positive feedback when discussing the proposed concentrations with members of Carleton's recruitment team, who anticipate that these will resonate strongly with prospective students and their parents.

## **Resources**

The concentrations simply make already existing areas of curricular emphasis in the B.CoMS program more visible to students and their future employers. We envision they will be as close to resource-neutral as a program change can be. We are also heartened by the fact that so many FPGA units have highly functional degree concentrations in their undergraduate programs, and we have already begun consulting with these units about challenges and best practices.

- a. *Faculty resources*: No additional faculty resources required. All courses included in the three concentrations are regularly offered by the COMS program. Most of these courses have been taught regularly by permanent faculty in recent years and all are covered by existing faculty expertise. We are confident, even in light of shrinking CI budgets and elective offerings, that more than enough of the relevant courses will be covered yearly for the concentrations to flourish. We have also baked flexibility into concentration design—in each, students must complete 7 courses (3.5 credits) from 25 electives (12.5 credits).
- b. *Contract instructors*: No additional CIs required.
- c. *Administrative support*: No additional admin resources required. Administration of the concentrations will fold into the workflow of our existing undergraduate operations team (comprised by the Program Head, Undergraduate Administrator, UG Supervisor, and UG Committee). Coming years will see our program offer fewer sections of required courses and electives given Carleton's, FPGA's, and COMS's financial and enrolment situations. We are additionally planning to move to a block registration model. The time and labour savings of these moves will provide ample bandwidth to integrate concentration admin and oversight.
- d. *Library resources*: No new resources required.
- e. *Space*: Existing B.CoMS program and facilities have capacity to absorb the concentrations.
- f. *Equipment*: None required

## **Governance**

Concentration enrolment and advising will fall under the broad purview of the existing COMS undergraduate operations team. The Undergraduate Supervisor will be the main contact for students and staff regarding concentration matters.

## **Appendix A: Calendar structure for B.CoMS concentrations**

Communication and Media Studies

### B.Co.M.S. Honours with Concentration (20.0 credits)

#### **A. Credits included in the CGPA (9.0)**

##### **1. 1.0 credits in:**

- COMS 1001 Foundations: Media History
- COMS 1002 Foundations: Contemporary Communication & Media

##### **2. 1.0 credits in:**

- COMS 2003 Theoretical Foundations in Communication and Media Studies
- COMS 2004 Introduction to Communication Research

##### **3. 1.5 credits in:**

- COMS 3001 Quantitative Research in Communication
- COMS 3002 Qualitative Research in Communication
- COMS 3500 Contemporary Issues in Media and Communication

##### **4. 3.5 credits in** one of the concentrations described below

##### **5. 2.0 credits in** COMS courses at the 3000 and 4000 level in addition to concentration requirements

#### **B. Credits not included in the CGPA (11.0)**

- 6. 8.0 credits in** electives not in Communication and Media Studies
- 7. 3.0 credits in** free electives

#### **C. Additional Requirements**

- 9. At least one of the following courses: COMS 2700, COMS 3109, COMS 3111, COMS 3411, COMS 4305, COMS 4316, COMS 4603, COMS 4604, COMS 4605

<u>Concentration in Government and Professional Communication</u>	<u>Concentration in Media and Entertainment Industries</u>	<u>Concentration in Public Engagement and Civic Culture</u>
<b>4a. 2.0 credits from the following, including at least 1.0 credits at the 3000-level:</b>	<b>4a. 2.0 credits from the following, including at least 1.0 credits at the 3000-level:</b>	<b>4a. 2.0 credits from the following, including at least 1.0 credits at the 3000-level:</b>
COMS 2005 Intro to Communication Practice	COMS 2005 Intro to Communication Practice	COMS 2005 Intro to Communication Practice
COMS 2200 Big Data & Society	COMS 2300 Communication as Propaganda	COMS 2200 Big Data & Society
COMS 2400 Climate Change and Communication	COMS 2501 Media Law	COMS 2400 Climate Change and Communication
COMS 2500 Communication and Science	COMS 2600 Communication and Culture	COMS 2500 Communication and Science
COMS 2600 Communication and Culture	COMS 2700 Global Media and Communication	COMS 2600 Communication and Culture
COMS 3302 Political Communication	COMS 3003 Media and Crime	COMS 3003 Media and Crime
COMS 3310 Critical Studies of Public Relations	COMS 3108 Media Industries & The Network Society	COMS 3109 Communication, Culture and Identity
COMS 3100 Introduction to Political Management	COMS 3109 Communication, Culture and Identity	COMS 3111 Racism and Digital Media
COMS 3308 Critical Studies in Advertising and Consumer Culture	COMS 3110 Comic Books & Graphic Novels	COMS 3302 Political Communication
COMS 3401 Communication Regulation in Canada	COMS 3308 Critical Studies in Advertising and Consumer Culture	COMS 3400 Ethical Controversies in Communication and Media Studies
COMS 3412 Communication and Health	COMS 3403 Communication, Technology and Culture	COMS 3411 Media and Social Activism
COMS 3600 Communication and Community Service Learning	COMS 3406 Media Audiences and Users	COMS 3412 Communication and Health
COMS 3601 Communication Strategies	COMS 3410 Visual Media and Communication	COMS 3600 Communication and Community Service Learning
<b>4b. 1.0 credits from:</b>	<b>4b. 1.0 credits from:</b>	<b>4b. 1.0 credits from:</b>
COMS 4004 Communication and Discourse	COMS 4001 Sports and/as Media	COMS 4305 Media and Religion
COMS 4311 Environmental Communication	COMS 4002 Media Fandom	COMS 4311 Environmental Communication
COMS 4312 Crisis and Risk Communication	COMS 4313 Screen Studies	COMS 4316 Indigenous Media in Global Contexts
COMS 4401 Global Internet Policy and Governance	COMS 4403 Digital Media Industries	COMS 4603 Diaspora and Communication
COMS 4406 Open Government and Communication	COMS 4408 Creative Work	COMS 4604 Media, Gender and Sexuality
COMS 4407 Communication & Critical Data Studies	COMS 4411 Algorithmic Culture	COMS 4605 Media, Race and Ethnicity
COMS 4316 Indigenous Media in Global Contexts	COMS 4412 Game Studies	COMS 4407 Communication and Critical Data Studies
COMS 4607 Communication and Food	COMS 4606 Global Media and Popular Culture	COMS 4607 Communication and Food
<b>4c. 0.5 credits from:</b>	<b>4c. 0.5 credits from:</b>	<b>4c. 0.5 credits from:</b>
COMS 4504 Engaging the Public: Stakeholders, participation & consultation	COMS 4501 Digital Media Production	COMS 4504 Engaging the Public: Stakeholders, participation & consultation
COMS 4505 Professional Writing and Speaking	COMS 4502 Storytelling in the Digital Age	COMS 4505 Professional Writing and Speaking
COMS 4506 Event Management and Community Partnerships	COMS 4503 Visualizing Social Media: Hashtags, keywords & conversations	COMS 4506 Event Management and Community Partnerships
COMS 4507 Professional Communication Research	COMS 4504 Engaging the Public: Stakeholders, participation & consultation	COMS 4507 Professional Communication Research

# Program Change Request

## New Program Proposal

Date Submitted: 02/24/25 9:53 am

Viewing: **TBD-2309 : Communication and Media Studies B.CoMS Hons. with Concentration**

Last edit: 02/24/25 10:06 am

Last modified by: benjaminwoo

Changes proposed by: benjaminwoo

In Workflow

1. COMM ChairDir UG
2. PA Dean
3. PA FCC
4. PA FBoard
5. PRE SCCASP
6. SCCASP
7. SQAPC
8. Senate
9. PRE CalEditor
10. CalEditor

Approval Path

1. 02/24/25 10:06 am  
Benjamin Woo  
(benjaminwoo): Approved for COMM ChairDir UG
2. 02/26/25 5:05 pm  
Vandna Bhatia  
(vandnabhatia): Approved for PA Dean
3. 03/12/25 4:30 pm  
Vandna Bhatia  
(vandnabhatia): Approved for PA FCC
4. 04/28/25 11:02 am  
Robyn Green  
(robyngreen): Approved for PA FBoard

Effective Date	2026-27
Workflow	majormod
Program Code	TBD-2309
Level	Undergraduate
Faculty	Faculty of Public Affairs
Academic Unit	School of Journalism and Communication (COMM)
Degree	Bachelor of Communication and Media Studies

Title	Communication and Media Studies B.CoMS Hons. with Concentration
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## Program Requirements

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### Communication and Media Studies B.Co.M.S. Honours with Concentration (20.0 credits)

The Communication and Media Studies B.Co.M.S. Honours with Concentration is open to students with a CGPA of 9.0 or higher. Only one concentration may be taken in a Communication and Media Studies program.

A. Credits Included in the Major CGPA (9.0 credits):

<b>1. 1.0 credit in:</b>		1.0
<a href="#"><u>COMS 1001</u></a> [0.5]	Foundations: Media History	
<a href="#"><u>COMS 1002</u></a> [0.5]	Foundations: Contemporary Communication and Media	
<b>2. 1.0 credit in:</b>		1.0
<a href="#"><u>COMS 2003</u></a> [0.5]	Theoretical Foundations in Communication and Media Studies	
<a href="#"><u>COMS 2004</u></a> [0.5]	Introduction to Communication Research	
<b>3. 1.5 credits in:</b>		1.5
<a href="#"><u>COMS 3001</u></a> [0.5]	Quantitative Research in Communication	
<a href="#"><u>COMS 3002</u></a> [0.5]	Qualitative Research in Communication	
<a href="#"><u>COMS 3500</u></a> [0.5]	Current Issues in Communication and Media Theory	
<b>4. 3.5 credits in a concentration (described below)</b>		3.5
<b>5. 2.0 credits in</b> COMS courses at the 3000 and 4000 level in addition to concentration requirements		2.0
B. Credits Not Included in the Major CGPA (11.0 credits):		
<b>6. 8.0 credits in</b> electives not in Communication and Media Studies		8.0
<b>7. 3.0 credits in</b> free electives		3.0
C. Additional Requirements		
8. At least one of the following courses: <a href="#"><u>COMS 2700</u></a> , <a href="#"><u>COMS 3109</u></a> , <a href="#"><u>COMS 3111</u></a> , <a href="#"><u>COMS 3411</u></a> , <a href="#"><u>COMS 4305</u></a> , <a href="#"><u>COMS 4316</u></a> , <a href="#"><u>COMS 4603</u></a> , <a href="#"><u>COMS 4604</u></a> , <a href="#"><u>COMS 4605</u></a>		
Total Credits		20.0

New Resources	No New Resources
Summary	Creation of new, optional pathways in the B.CoMS degree.
Rationale	<p>New concentrations in Government and Professional Communication, Media and Entertainment Industries, and Public Engagement and Civic Culture highlight thematic clusters of existing courses in the program, making them more visible to current and prospective students. These areas correspond with sectors where many of our graduates seek and find employment. They will buttress the distinctiveness of our program from competitors, help cement recent other curricular changes that highlight career readiness, and provide graduates with a competitive advantage on the job market by credentializing skills they are acquiring in the program. At the request of our undergraduate committee, we have set a higher CGPA requirement for the B.CoMS Hons. with Concentration than our core B.CoMS Hons. program. This is intended to regulate take-up so that the concentrations can be implemented without the need for additional staff advising resources, at least initially. Furthermore, we see the focus on skills represented by the concentrations as additive to our program's academic foundations; consequently, we want to ensure that comparatively strong students are taking the concentrations and receiving the additional designation on their</p>

degrees. Internal data suggests that approximately 30% of B.CoMS students with second-year standing or higher would meet the threshold for the concentration options, and the CGPA requirement will be reevaluated after the initial implementation period.

**Transition/Implementation**

Courses composing the three concentrations are already regularly offered, so transition/implementation is mostly administrative. We will prepare a communications plan to ensure current students who wish to opt into the concentrations when they come online can be advised on their options and any other impacts on their degree progression.

**Program reviewer comments**

Key: 2309

# Program Change Request

## New Program Proposal

Date Submitted: 02/24/25 9:56 am

### Viewing: **TBD-2310 : Concentration in Government and Professional Communication**

Last edit: 02/26/25 5:04 pm

Last modified by: vandnabhatia

Changes proposed by: benjaminwoo

In Workflow

1. COMM ChairDir UG
2. PA Dean
3. PA FCC
4. PA FBoard
5. PRE SCCASP
6. SCCASP
7. SQAPC
8. Senate
9. PRE CalEditor
10. CalEditor

Approval Path

1. 02/24/25 10:06 am  
Benjamin Woo  
(benjaminwoo):  
Approved for COMM ChairDir UG
2. 02/26/25 5:04 pm  
Vandna Bhatia  
(vandnabhatia):  
Approved for PA Dean
3. 03/12/25 4:30 pm  
Vandna Bhatia  
(vandnabhatia):  
Approved for PA FCC
4. 04/28/25 11:03 am  
Robyn Green  
(robyngreen): Approved for PA FBoard

Effective Date	2026-27
Workflow	majormod
Program Code	TBD-2310
Level	Undergraduate
Faculty	Faculty of Public Affairs
Academic Unit	School of Journalism and Communication (COMM)
Degree	Bachelor of Communication and Media Studies

Title	Concentration in Government and Professional Communication
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## Program Requirements

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### Concentration in Government and Professional Communication (3.5 credits)

This concentration is open to all students in the Communication and Media Studies B.Co.M.S. Honours with Concentration. Only one concentration may be taken in a Communication and Media Studies program.

4a. 2.0 credits from the following, including at least 1.0 credit at the 3000 level:	2.0
<a href="#"><u>COMS 2005</u></a> [0.5] Introduction to Communication Practice	
<a href="#"><u>COMS 2200</u></a> [0.5] Big Data and Society	
<a href="#"><u>COMS 2400</u></a> [0.5] Climate Change and Communication	
<a href="#"><u>COMS 2500</u></a> [0.5] Communication and Science	
<a href="#"><u>COMS 2600</u></a> [0.5] Communication and Culture	
<a href="#"><u>COMS 3100</u></a> [0.5] Introduction to Political Management	
<a href="#"><u>COMS 3302</u></a> [0.5] Political Communication	
<a href="#"><u>COMS 3308</u></a> [0.5] Critical Studies in Advertising and Consumer Culture	
<a href="#"><u>COMS 3310</u></a> [0.5] Critical Perspectives of Public Relations	
<a href="#"><u>COMS 3401</u></a> [0.5] Communications Regulation in Canada	
<a href="#"><u>COMS 3412</u></a> [0.5] Communication and Health	
<a href="#"><u>COMS 3600</u></a> [0.5] Communication and Community Service Learning	
<a href="#"><u>COMS 3601</u></a> [0.5] Communication Strategies	
4b. 1.0 credit from:	1.0
<a href="#"><u>COMS 4004</u></a> [0.5] Communication and Discourse	
<a href="#"><u>COMS 4311</u></a> [0.5] Environmental Communication	
<a href="#"><u>COMS 4312</u></a> [0.5] Crisis and Risk Communication	
<a href="#"><u>COMS 4316</u></a> [0.5] Indigenous Media in Global Contexts	
<a href="#"><u>COMS 4401</u></a> [0.5] Global Internet Policy and Governance	
<a href="#"><u>COMS 4406</u></a> [0.5] Open Government and Communication	
<a href="#"><u>COMS 4407</u></a> [0.5] Communication and Critical Data Studies	
<a href="#"><u>COMS 4607</u></a> [0.5] Communication and Food	
4c. 0.5 credits from:	0.5
<a href="#"><u>COMS 4504</u></a> [0.5] Engaging the Public: Stakeholders, participation & consultation	
<a href="#"><u>COMS 4505</u></a> [0.5] Professional Writing and Speaking	
<a href="#"><u>COMS 4506</u></a> [0.5] Event Management and Community Partnerships	
<a href="#"><u>COMS 4507</u></a> [0.5] Professional Communication Research	
Total Credits	3.5

New Resources	No New Resources
Summary	Creation of new, optional pathway in the B.CoMS degree.
Rationale	New concentration in Government and Professional Communication highlights a thematic cluster of existing courses in the program, making them more visible to current and prospective students. This area also corresponds with sectors where many of our graduates seek and find employment. The new concentrations will buttress the distinctiveness of our

program from competitors, help cement recent other curricular changes that highlight career readiness, and provide graduates with a competitive advantage on the job market by credentializing skills they are acquiring in the program.

**Transition/Implementation**

Courses composing the concentration are already regularly offered, so transition/implementation is mostly administrative. We will prepare a communications plan to ensure current students who wish to opt into the concentrations when they come online can be advised on their options and any other impacts on their degree progression.

**Program reviewer comments**

**vandnabhatia (02/26/25 5:04 pm):** Spelling correction (credists to credits)

Key: 2310

# Program Change Request

## New Program Proposal

Date Submitted: 02/24/25 9:57 am

Viewing: **TBD-2311 : Concentration in Media and Entertainment Industries**

Last edit: 02/24/25 9:57 am

Last modified by: benjaminwoo

Changes proposed by: benjaminwoo

In Workflow

1. COMM ChairDir UG
2. PA Dean
3. PA FCC
4. PA FBoard
5. PRE SCCASP
6. SCCASP
7. SQAPC
8. Senate
9. PRE CalEditor
10. CalEditor

Approval Path

1. 02/24/25 10:06 am  
Benjamin Woo  
(benjaminwoo):  
Approved for COMM ChairDir UG
2. 02/26/25 5:03 pm  
Vandna Bhatia  
(vandnabhatia):  
Approved for PA Dean
3. 03/12/25 4:30 pm  
Vandna Bhatia  
(vandnabhatia):  
Approved for PA FCC
4. 04/28/25 11:03 am  
Robyn Green  
(robyngreen): Approved for PA FBoard

Effective Date	2026-27
Workflow	majormod
Program Code	TBD-2311
Level	Undergraduate
Faculty	Faculty of Public Affairs
Academic Unit	School of Journalism and Communication (COMM)
Degree	Bachelor of Communication and Media Studies

Title	Concentration in Media and Entertainment Industries
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## Program Requirements

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### Concentration in Media and Entertainment Industries (3.5 credits)

This concentration is open to all students in the Communication and Media Studies B.Co.M.S. Honours with Concentration. Only one concentration may be taken in a Communication and Media Studies program.

4a. 2.0 credits from the following, including at least 1.0 credit at the 3000 level: 2.0

<a href="#"><u>COMS 2005</u></a> [0.5]	Introduction to Communication Practice
<a href="#"><u>COMS 2300</u></a> [0.5]	Communication as Propaganda
<a href="#"><u>COMS 2501</u></a> [0.5]	Media Law
<a href="#"><u>COMS 2600</u></a> [0.5]	Communication and Culture
<a href="#"><u>COMS 2700</u></a> [0.5]	Global Media and Communication
<a href="#"><u>COMS 3003</u></a> [0.5]	Media and Crime
<a href="#"><u>COMS 3108</u></a> [0.5]	Media Industries and the Network Society
<a href="#"><u>COMS 3109</u></a> [0.5]	Communication, Culture and Identity
<a href="#"><u>COMS 3110</u></a> [0.5]	Comic Books and Graphic Novels
<a href="#"><u>COMS 3308</u></a> [0.5]	Critical Studies in Advertising and Consumer Culture
<a href="#"><u>COMS 3403</u></a> [0.5]	Communication, Technology and Culture
<a href="#"><u>COMS 3406</u></a> [0.5]	Media Audiences and Users
<a href="#"><u>COMS 3410</u></a> [0.5]	Visual Media and Communication

4b. 1.0 credit from: 1.0

<a href="#"><u>COMS 4001</u></a> [0.5]	Sport and/as Media
<a href="#"><u>COMS 4002</u></a> [0.5]	Media Fandom
<a href="#"><u>COMS 4313</u></a> [0.5]	Screen Studies
<a href="#"><u>COMS 4403</u></a> [0.5]	Digital Media Industries
<a href="#"><u>COMS 4408</u></a> [0.5]	Creative Work
<a href="#"><u>COMS 4411</u></a> [0.5]	Algorithmic Culture
<a href="#"><u>COMS 4412</u></a> [0.5]	Game Studies
<a href="#"><u>COMS 4606</u></a> [0.5]	Global Media and Popular Culture

4c. 0.5 credits from: 0.5

<a href="#"><u>COMS 4501</u></a> [0.5]	Digital Media Production
<a href="#"><u>COMS 4502</u></a> [0.5]	Storytelling in the Digital Age
<a href="#"><u>COMS 4503</u></a> [0.5]	Visualizing Social Media: Hashtags, keywords, & conversations
<a href="#"><u>COMS 4504</u></a> [0.5]	Engaging the Public: Stakeholders, participation & consultation

Total Credits 3.5

New Resources No New Resources

Summary Creation of new, optional pathway in the B.CoMS degree.

Rationale New concentration in Media and Entertainment Industries highlights a thematic cluster of existing courses in the program, making them more visible to current and prospective students. This area also corresponds with sectors where many of our graduates seek and find employment. The new concentrations will buttress the distinctiveness of our program from

competitors, help cement recent other curricular changes that highlight career readiness, and provide graduates with a competitive advantage on the job market by credentializing skills they are acquiring in the program.

**Transition/Implementation**

Courses composing the concentration are already regularly offered, so transition/implementation is mostly administrative. We will prepare a communications plan to ensure current students who wish to opt into the concentrations when they come online can be advised on their options and any other impacts on their degree progression.

**Program reviewer comments**

Key: 2311

# Program Change Request

## New Program Proposal

Date Submitted: 02/24/25 10:38 am

### Viewing: **TBD-2312 : Concentration in Public Engagement and Civic Culture**

Last edit: 02/24/25 10:38 am

Last modified by: benjaminwoo

Changes proposed by: benjaminwoo

#### In Workflow

1. COMM ChairDir UG
2. PA Dean
3. PA FCC
4. PA FBoard
5. PRE SCCASP
6. SCCASP
7. SQAPC
8. Senate
9. PRE CalEditor
10. CalEditor

#### Approval Path

1. 02/24/25 10:06 am  
Benjamin Woo  
(benjaminwoo):  
Approved for COMM ChairDir UG
2. 02/24/25 10:29 am  
Vandna Bhatia  
(vandnabhatia): Rollback to Initiator
3. 02/24/25 10:39 am  
Benjamin Woo  
(benjaminwoo):  
Approved for COMM ChairDir UG
4. 02/26/25 5:03 pm  
Vandna Bhatia  
(vandnabhatia):  
Approved for PA Dean
5. 03/12/25 4:30 pm  
Vandna Bhatia  
(vandnabhatia):  
Approved for PA FCC
6. 04/28/25 11:03 am  
Robyn Green  
(robyngreen): Approved for PA FBoard

Effective Date 2026-27

Workflow majormod

Program Code TBD-2312

Level	Undergraduate
Faculty	Faculty of Public Affairs
Academic Unit	School of Journalism and Communication (COMM)
Degree	Bachelor of Communication and Media Studies
Title	Concentration in Public Engagement and Civic Culture

## Program Requirements

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### Concentration in Public Engagement and Civic Culture (3.5 credits)

This concentration is open to all students in the Communication and Media Studies B.Co.M.S. Honours with Concentration. Only one concentration may be taken in a Communication and Media Studies program.

4a. 2.0 credits from the following, including at least 1.0 credit at the 3000 level:	2.0
<a href="#"><u>COMS 2005</u></a> [0.5] Introduction to Communication Practice	
<a href="#"><u>COMS 2200</u></a> [0.5] Big Data and Society	
<a href="#"><u>COMS 2400</u></a> [0.5] Climate Change and Communication	
<a href="#"><u>COMS 2500</u></a> [0.5] Communication and Science	
<a href="#"><u>COMS 2600</u></a> [0.5] Communication and Culture	
<a href="#"><u>COMS 3003</u></a> [0.5] Media and Crime	
<a href="#"><u>COMS 3109</u></a> [0.5] Communication, Culture and Identity	
<a href="#"><u>COMS 3111</u></a> [0.5] Racism and Digital Media	
<a href="#"><u>COMS 3302</u></a> [0.5] Political Communication	
<a href="#"><u>COMS 3400</u></a> [0.5] Ethical Controversies in Media and Communication	
<a href="#"><u>COMS 3411</u></a> [0.5] Media and Social Activism	
<a href="#"><u>COMS 3412</u></a> [0.5] Communication and Health	
<a href="#"><u>COMS 3600</u></a> [0.5] Communication and Community Service Learning	
4b. 1.0 credit from:	1.0
<a href="#"><u>COMS 4305</u></a> [0.5] Media and Religion	
<a href="#"><u>COMS 4311</u></a> [0.5] Environmental Communication	
<a href="#"><u>COMS 4316</u></a> [0.5] Indigenous Media in Global Contexts	
<a href="#"><u>COMS 4407</u></a> [0.5] Communication and Critical Data Studies	
<a href="#"><u>COMS 4603</u></a> [0.5] Diaspora and Communication	
<a href="#"><u>COMS 4604</u></a> [0.5] Media, Gender and Sexuality	
<a href="#"><u>COMS 4605</u></a> [0.5] Media, Race and Ethnicity	
<a href="#"><u>COMS 4607</u></a> [0.5] Communication and Food	
4c. 0.5 credits from:	0.5
<a href="#"><u>COMS 4504</u></a> [0.5] Engaging the Public: Stakeholders, participation & consultation	
<a href="#"><u>COMS 4505</u></a> [0.5] Professional Writing and Speaking	
<a href="#"><u>COMS 4506</u></a> [0.5] Event Management and Community Partnerships	
<a href="#"><u>COMS 4507</u></a> [0.5] Professional Communication Research	
Total Credits	3.5

New Resources	No New Resources
Summary	Creation of new, optional pathway in the B.CoMS degree.
Rationale	New concentration in Public Engagement and Civic Culture highlights a thematic cluster of existing courses in the program, making them more visible to current and prospective students. This area also corresponds with sectors where many of our graduates seek and find employment. The new concentrations will buttress the distinctiveness of our program from competitors, help cement recent other curricular changes that highlight career readiness, and provide graduates with a competitive advantage on the job market by credentializing skills they are acquiring in the program.
Transition/Implementation	Courses composing the concentration are already regularly offered, so transition/implementation is mostly administrative. We will prepare a communications plan to ensure current students who wish to opt into the concentrations when they come online can be advised on their options and any other impacts on their degree progression.

Program reviewer comments **vandnabhatia (02/24/25 10:29 am):** Rollback: Please correct the title of the concentration.

Key: 2312

# Program Change Request

Date Submitted: 02/27/25 3:39 pm

## Viewing: **3DB : Concentration in Development and Environment**

Last approved: 02/28/20 10:44 am

Last edit: 04/01/25 10:34 am

Last modified by: angelwagner

Changes proposed by: seanhall3

### In Workflow

1. ECON ChairDir UG
2. PA Dean
3. PA FCC
4. PA FBoard
5. PRE SCCASP
6. SCCASP
7. SQAPC
8. Senate
9. PRE CalEditor
10. CalEditor

### Approval Path

1. 03/03/25 11:38 am  
Christopher Worswick  
(christopherworswick):  
Approved for ECON  
ChairDir UG
2. 03/03/25 12:38 pm  
Vandna Bhatia  
(vandnabhatia):  
Approved for PA Dean
3. 03/12/25 4:30 pm  
Vandna Bhatia  
(vandnabhatia):  
Approved for PA FCC
4. 04/28/25 11:02 am  
Robyn Green  
(robyngreen): Approved  
for PA FBoard

### History

1. May 1, 2014 by sandra
2. Mar 4, 2015 by sandra
3. Jan 26, 2017 by Keir  
Armstrong  
(keirarmstrong)
4. Feb 28, 2020 by Amanda  
Wright (amandawright)

Effective Date

2026-27

Workflow	<u>majormod</u> <u>minormod</u>
Program Code	3DB
Level	Undergraduate
Faculty	Faculty of Public Affairs
Academic Unit	Department of Economics
Degree	Bachelor of Arts Honours
Title	Concentration in Development <u>and Environment</u>

## Program Requirements

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### Concentration in Development and Environment (4.0 credits)

<u>2a. 3.0 credits in:</u>		<u>3.0</u>
2a. 1.0 credits in:		1.0
<u>ECON 3508</u> [0.5]	Introduction to Economic Development	
<u>ECON 3804</u> [0.5]	<u>Environmental Economics</u>	
<u>2b. 2.0 credits from:</u>		<u>2.0</u>
<u>ECON 3509</u> [0.5]	Development Planning and Project Evaluation	
<u>ECON 3601</u> [0.5]	<u>Introduction to International Trade</u>	
<u>ECON 3602</u> [0.5]	<u>International Monetary Problems</u>	
<u>ECON 3803</u> [0.5]	<u>The Economics of Natural Resources</u>	
<u>ECON 4507</u> [0.5]	The Economics of Development	
<u>ECON 4508</u> [0.5]	International Aspects of Economic Development	
<u>2c 1.0 credits from:</u>		<u>1.0</u>
<u>ECON 3220</u> [0.5]	Canadian Economic History	
<u>ECON 3230</u> [0.5]	Selected Topics in Economic History	
<u>ECON 3450</u> [0.5]	<u>Political Economy in the Modern State</u>	
<u>ECON 3510</u> [0.5]	African Economic Development	
<u>ECON 3807</u> [0.5]	<u>European Economic Integration</u>	
<u>ECON 3808</u> [0.5]	The Economics of Transition	
<u>ECON 3870</u> [0.5]	Comparative Economic Systems	
<u>ECON 4407</u> [0.5]	<u>Project Evaluation</u>	
<u>ECON 4601</u> [0.5]	<u>International Trade Theory and Policy</u>	
<u>ECON 4602</u> [0.5]	<u>International Monetary Theory and Policy</u>	
<u>PSCI 2102</u> [0.5]	Comparative Politics of the Global South	
<u>PSCI 3801</u> [0.5]	<u>Environmental Politics</u>	
<u>PSCI 4104</u> [0.5]	Development in the Global South - Theory and Practice	
<u>PSCI 4105</u> [0.5]	Selected Problems in Development in the Global South	
<u>PSCI 4409</u> [0.0]	<u>Course PSCI 4409 Not Found</u>	
<u>PSCI 4808</u> [0.5]	<u>Global Environmental Politics</u>	
<u>TSES 4001</u> [0.5]	<u>Technology and Society: Risk</u>	

Total Credits	4.0
New Resources	No New Resources
Summary	<p>1. Removing the concentration in Natural Resources, Environment, and Economy, and modifying the concentration in Development.</p> <p>2. Remove PSCI 4409 from course options</p> <p>1. In line with the Faculty's initiative to streamline and consolidate academic programs, we have recently discontinued two concentrations—International Political Economy (IPE) and Natural Resources, Environment and Economy (NREE). This decision has removed valuable opportunities for students to specialize in areas that are both attractive and timely. Climate change is at the forefront of academic and policy discussions. New technologies, such as advanced electrification, energy storage, and computation-intensive innovations like AI and crypto assets, require increasingly larger amounts of energy. These developments make it impossible to separate economic development and economic growth from their resource needs and environmental consequences. Indeed, over the last fifteen years, the fields of economic development and environmental economics have become increasingly interconnected, with courses in these areas often complementing one another. 2. Given the discontinuation of the NREE concentration, there is an opportunity to integrate key elements from this field into the existing Development concentration. The proposed new concentration, Development and Environment, unifies the most popular and thematically related courses under one umbrella. In doing so, it provides students with a clear academic pathway to explore these critical areas of economics. 3. Notes on the Structure:</p> <ul style="list-style-type: none"> <li>• Flexibility: o Only two courses (ECON 3508 and ECON 3804) are required for all students. o Part 2b allows students to choose 4 out of 6 courses, while Part 2c offers a broad selection (2 out of 17 courses) to suit diverse academic interests.</li> <li>• Expanded Scope: This new concentration unifies core courses in development (ECON 3508, ECON 3509, ECON 4507), environmental and resource economics (ECON 3803, ECON 3804), and international trade and payments (ECON 3601, ECON 3602). Enrollment data indicate that these courses are frequently offered with high participation, underscoring the demand and relevance of these subjects:</li> <ul style="list-style-type: none"> <li>o ECON 3508: Ranging from 51 to 84 students over recent academic years</li> <li>o ECON 3804: Ranging from 58 to 80 students</li> <li>o ECON 3509, ECON 3601, ECON 3602, and ECON 3803 also show robust enrollments.</li> </ul> <li>• Resource Neutrality: The introduction of the new concentration does not require additional resources. Revised Learning Outcomes To ensure that the curriculum meets the evolving demands of the global economy and policy debates, we have updated the learning outcomes to reflect both development and environmental considerations. The new outcomes are:</li> <ul style="list-style-type: none"> <li>• DEEN.LO1: Identify and correctly apply theoretical approaches to economic development, growth, investment allocation, and natural resource management. Discuss their environmental and social impacts, such as effects on pollution and wealth inequality. This outcome revises the previous DEV.LO1 by incorporating environmental perspectives from ECON 3804 and ECON 3803.</li> <li>• DEEN.LO2: Apply project and policy impact evaluation techniques. This remains consistent with DEV.LO2 and will be reinforced through the inclusion of a methods-based course, ECON 4407 Project Evaluation, among the electives.</li> <li>• DEEN.LO3: Discuss environmentally responsible policy approaches to economic development and analyze the roles of foreign direct investment, migration, international trade, and income distribution in shaping these policies. This expanded outcome builds on previous learning objectives from development studies while emphasizing an environmental focus and international economic relations.</li> </ul> </ul>
Transition/Implementation	<ul style="list-style-type: none"> <li>• Continuity for Current Students: Students who began in the discontinued concentrations will be allowed to complete their original programs. They also have the option to switch to the Development and Environment concentration if they prefer.</li> </ul>

# Program Change Request

A deleted record cannot be edited

## Program Delete Proposal

Date Submitted: 04/29/25 8:02 pm

Viewing: **HBS-8S : Earth Sciences with Concentration in Finance: Resource Valuation**

Last approved: 04/23/25 10:17 am

Last edit: 04/29/25 8:02 pm

Last modified by: sheilathayer

Changes proposed by: sheilathayer

### In Workflow

1. ERTH ChairDir UG
2. SCI Dean
3. SCI FCC
4. SCI FBoard
5. PRE SCCASP
6. SCCASP
7. SQAPC
8. Senate
9. PRE CalEditor
10. CalEditor

### Approval Path

1. 04/29/25 8:12 pm  
Sheila Thayer  
(sheilathayer): Approved for ERTH ChairDir UG
2. 04/30/25 10:25 am  
Robyn Green  
(robyngreen): Approved for SCI Dean
3. 04/30/25 10:25 am  
Robyn Green  
(robyngreen): Approved for SCI FCC
4. 04/30/25 10:26 am  
Robyn Green  
(robyngreen): Approved for SCI FBoard

### History

1. Mar 4, 2015 by Sheila Thayer (sheilathayer)
2. Apr 21, 2015 by vickisaveland
3. May 12, 2015 by sandra
4. May 12, 2015 by sandra
5. Jan 5, 2016 by Sarah Adams-Aston (sarahadamsaston)

6. May 19, 2016 by Sandra Bauer (sandrabauer)
7. May 19, 2016 by Sandra Bauer (sandrabauer)
8. May 19, 2016 by Sandra Bauer (sandrabauer)
9. May 19, 2016 by Sandra Bauer (sandrabauer)
10. Mar 8, 2017 by Sarah Adams-Aston (sarahadamsaston)
11. Jan 9, 2018 by Sarah Adams-Aston (sarahadamsaston)
12. Apr 17, 2019 by Mike Labreque (mikelabreque)
13. Feb 7, 2020 by Kristin Allen (kristinjallen)
14. Jul 25, 2022 by Natalie Phelan (nataliephelan)
15. Apr 20, 2023 by Kristin Allen (kristinjallen)
16. Apr 22, 2024 by Kate Armstrong (katearmstrongfurniva)
17. Apr 23, 2025 by Sheila Thayer (sheilathayer)

Calendar Pages Using this Program

[Earth Sciences](#)

Effective Date	2026-27
Workflow	majormod
Program Code	HBS-8S
Level	Undergraduate
Faculty	Faculty of Science
Academic Unit	Department of Earth Sciences
Degree	Bachelor of Science Honours
Title	Earth Sciences with Concentration in Finance: Resource Valuation

## Program Requirements

### Earth Sciences with Concentration in Finance: Resource Valuation B.Sc. Honours (20.5 credits)

A. Credits included in the Major CGPA (10.0 credits)

<b>1. 0.5 credit in:</b>	<a href="#"><u>ERTH 1002</u></a> [0.5]	The Earth and Life Odyssey: A Journey Through Billions of Years	0.5
<b>2. 3.0 credits in:</b>	<a href="#"><u>ERTH 2102</u></a> [0.5]	Mineralogy to Petrology	3.0
	<a href="#"><u>ERTH 2105</u></a> [0.5]	Geodynamics	
	<a href="#"><u>ERTH 2106</u></a> [0.5]	Geochemistry	
	<a href="#"><u>ERTH 2314</u></a> [0.5]	Sedimentation and Stratigraphy	
	<a href="#"><u>ERTH 2407</u></a> [0.5]	Structural Geology	
	<a href="#"><u>ERTH 2802</u></a> [0.5]	Field Geology I	
<b>3. 3.0 credits in:</b>	<a href="#"><u>ERTH 3004</u></a> [0.5]	Igneous Petrology	3.0
	<a href="#"><u>ERTH 3204</u></a> [0.5]	Mineral Deposits	
	<a href="#"><u>ERTH 3205</u></a> [0.5]	Physical Hydrogeology	
	<a href="#"><u>ERTH 3207</u></a> [0.5]	Metamorphic Petrology and Processes	
	<a href="#"><u>ERTH 3405</u></a> [0.5]	Geophysical Methods	
	<a href="#"><u>ERTH 3703</u></a> [0.5]	Isotope Geochemistry and Geochronology	
<b>4. 0.5 credit from:</b>	<a href="#"><u>ERTH 4006</u></a> [0.5]	Field Environmental Geobiology	0.5
	<a href="#"><u>ERTH 4209</u></a> [0.5]	Mineral Exploration Field Geology	
	<a href="#"><u>ERTH 4807</u></a> [0.5]	Field Geology II	
<b>6. 2.0 credits in EARTH at the 4000-level</b>			2.0
<b>7. 1.0 credit in:</b>	<a href="#"><u>ERTH 4908</u></a> [1.0]	Honours Thesis	1.0
<b>B. Credits Not Included in the Major CGPA (10.5 credits)</b>			
<b>8. 1.0 credit in:</b>	<a href="#"><u>MATH 1007</u></a> [0.5]	Elementary Calculus I	1.0
	<a href="#"><u>MATH 1107</u></a> [0.5]	Linear Algebra I	
<b>9. 1.0 credit in:</b>	<a href="#"><u>CHEM 1001</u></a> [0.5]	General Chemistry I	1.0
	& <a href="#"><u>CHEM 1002</u></a> [0.5]	General Chemistry II	
<b>10. 0.5 credit in:</b>	<a href="#"><u>PHYS 1007</u></a> [0.5]	Elementary University Physics I	0.5
<b>11. 0.5 credit from:</b>	<a href="#"><u>BIOL 1104</u></a> [0.5]	Foundations of Biology II	0.5
	<a href="#"><u>COMP 1005</u></a> [0.5]	Introduction to Computer Science I	
<b>12. 0.5 credit in:</b>	<a href="#"><u>ERTH 2004</u></a> [0.5]	Maps, Satellites and the Geospatial Revolution	0.5
<b>13. 1.0 credit in:</b>	<a href="#"><u>STAT 2507</u></a> [0.5]	Introduction to Statistical Modeling I	1.0
	& <a href="#"><u>STAT 2509</u></a> [0.5]	Introduction to Statistical Modeling II	
<b>14. 1.5 credit in:</b>	<a href="#"><u>ECON 1001</u></a> [0.5]	Introduction to Microeconomics	1.5
	& <a href="#"><u>ECON 1002</u></a> [0.5]	Introduction to Macroeconomics	
	<a href="#"><u>ECON 2009</u></a> [0.5]	Managerial Economics	
<b>15. 3.0 credits in:</b>	<a href="#"><u>BUSI 1001</u></a> [0.5]	Principles of Financial Accounting	3.0
	<a href="#"><u>BUSI 1002</u></a> [0.5]	Management Accounting	

<a href="#"><u>BUSI 2503</u></a> [0.5]	Introduction to Finance	
<a href="#"><u>BUSI 3500</u></a> [0.5]	Applied Corporate Finance	
<a href="#"><u>BUSI 3502</u></a> [0.5]	Investments	
<a href="#"><u>BUSI 3512</u></a> [0.5]	Derivatives	
<b>16. 1.5 credit in:</b>		1.5
<a href="#"><u>ECON 3803</u></a> [0.5]	The Economics of Natural Resources	
<a href="#"><u>BUSI 4500</u></a> [0.5]	Advanced Corporate Finance	
<a href="#"><u>BUSI 4510</u></a> [0.5]	Mergers and Acquisitions	
Total Credits		20.5

## New Resources

## Summary

This is a request to remove this program.

Currently the Department of Earth Sciences offers 12 different programs and concentrations. With so many options students are confused with exactly which program is right for them, but it has led to most students gravitating to only a few of the offered programs. Earth Sciences with a concentration in Finance is an example of a program with no enrolment.

## Rationale for change

Moreover, in surveys of student satisfaction this is an example where satisfaction is low due to complex scheduling, a lack of a cohort for students in such a small program and challenges ensuring that all program requirements can consistently be met. Therefore, we would like to streamline our offerings and reduce confusion for students and direct students toward programs with higher enrolment with much higher degree satisfaction.

## Transition/Implementation

There are no students enrolled in this program and we will not admit new students into this program so there will be no impact on current students.

## Program reviewer comments

Key: 1086

# Program Change Request

A deleted record cannot be edited

## Program Delete Proposal

Date Submitted: 04/29/25 8:11 pm

### Viewing: **HBS-8R : Earth Sciences with Concentration in Geophysics B.Sc. Honours**

Last approved: 04/23/25 10:17 am

Last edit: 04/29/25 8:11 pm

Last modified by: sheilathayer

[Changes proposed by: sheilathayer](#)

#### In Workflow

1. ERTH ChairDir UG
2. SCI Dean
3. SCI FCC
4. SCI FBoard
5. PRE SCCASP
6. SCCASP
7. SQAPC
8. Senate
9. PRE CalEditor
10. CalEditor

#### Approval Path

1. 04/29/25 8:12 pm  
Sheila Thayer  
(sheilathayer): Approved for ERTH ChairDir UG
2. 04/30/25 10:25 am  
Robyn Green  
(robyngreen): Approved for SCI Dean
3. 04/30/25 10:25 am  
Robyn Green  
(robyngreen): Approved for SCI FCC
4. 04/30/25 10:26 am  
Robyn Green  
(robyngreen): Approved for SCI FBoard

#### History

1. Mar 21, 2014 by sandra
2. Aug 26, 2014 by vicki
3. Mar 4, 2015 by sandra
4. Jan 5, 2016 by Sarah Adams-Aston  
(sarahadamsaston)
5. Apr 5, 2017 by Sandra Bauer (sandrabauer)
6. Jan 9, 2018 by Sarah Adams-Aston

(sarahadamsaston)  
 7. Apr 24, 2018 by Mike Labreque (mikelabreque)  
 8. Apr 24, 2018 by Mike Labreque (mikelabreque)  
 9. Feb 7, 2020 by Kristin Allen (kristinjallen)  
 10. Apr 20, 2023 by Kristin Allen (kristinjallen)  
 11. Apr 22, 2024 by Kate Armstrong (katearmstrongfurniva)  
 12. Apr 23, 2025 by Sheila Thayer (sheilathayer)

Calendar Pages Using this Program [Earth Sciences](#)

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Effective Date	2026-27
Workflow	majormod
Program Code	HBS-8R
Level	Undergraduate
Faculty	Faculty of Science
Academic Unit	Department of Earth Sciences
Degree	Bachelor of Science Honours
Title	Earth Sciences with Concentration in Geophysics B.Sc. Honours

## Program Requirements

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### Earth Sciences with Concentration in Geophysics B.Sc. Honours (20.0 credits)

#### A. Credits Included in the Major CGPA (10.5 credits)

<b>1. 0.5 credit in:</b>		0.5
<a href="#">ERTH 1002</a> [0.5]	The Earth and Life Odyssey: A Journey Through Billions of Years	
<b>2. 1.0 credit in:</b>		1.0
<a href="#">MATH 1004</a> [0.5]	Calculus for Engineering or Physics	
<a href="#">MATH 1104</a> [0.5]	Linear Algebra for Engineering or Science	
<b>3. 1.0 credit in:</b>		1.0
<a href="#">PHYS 1001</a> [0.5]	Foundations of Physics I	
& <a href="#">PHYS 1002</a> [0.5]	Foundations of Physics II (recommended)	
OR		

<u>PHYS 1003</u> [0.5] & <u>PHYS 1004</u> [0.5]	Introductory Mechanics and Thermodynamics Introductory Electromagnetism and Wave Motion	
OR		
<u>PHYS 1007</u> [0.5] & <u>PHYS 1008</u> [0.5]	Elementary University Physics I Elementary University Physics II (with an average grade of B- or higher)	
<b>4. 3.5 credits in:</b>		3.5
<u>ERTH 2102</u> [0.5]	Mineralogy to Petrology	
<u>ERTH 2105</u> [0.5]	Geodynamics	
<u>ERTH 2106</u> [0.5]	Geochemistry	
<u>ERTH 2314</u> [0.5]	Sedimentation and Stratigraphy	
<u>ERTH 2407</u> [0.5]	Structural Geology	
<u>ERTH 2419</u> [0.5]	On the Origin of Planets	
<u>ERTH 2802</u> [0.5]	Field Geology I	
<b>5. 2.5 credits in:</b>		2.5
<u>ERTH 3004</u> [0.5]	Igneous Petrology	
<u>ERTH 3204</u> [0.5]	Mineral Deposits	
<u>ERTH 3205</u> [0.5]	Physical Hydrogeology	
<u>ERTH 3405</u> [0.5]	Geophysical Methods	
<u>ERTH 3703</u> [0.5]	Isotope Geochemistry and Geochronology	
<b>6. 0.5 credit from:</b>		0.5
<u>ERTH 4006</u> [0.5]	Field Environmental Geobiology	
<b>7. 0.5 credit in:</b>		0.5
<u>ERTH 4815</u> [0.5]	Natural Hazards in Canada	
<b>8. 1.0 credit from:</b>		1.0
<u>ERTH 4908</u> [1.0]	Honours Thesis	
<b>B. Credits Not Included in the Major CGPA (9.5 credits)</b>		
<b>9. 0.5 credit from:</b>		0.5
<u>COMP 1005</u> [0.5]	Introduction to Computer Science I	
<u>COMP 1006</u> [0.5]	Introduction to Computer Science II	
<b>10. 1.0 credit in:</b>		1.0
<u>CHEM 1001</u> [0.5] & <u>CHEM 1002</u> [0.5]	General Chemistry I General Chemistry II	
<b>11. 1.0 credit in:</b>		1.0
<u>MATH 1005</u> [0.5]	Differential Equations and Infinite Series for Engineering or Physics	
<u>STAT 2507</u> [0.5]	Introduction to Statistical Modeling I	
<b>12. 0.5 credit in:</b>		0.5
<u>ERTH 2004</u> [0.5]	Maps, Satellites and the Geospatial Revolution	
<b>13. 4.5 credits from:</b>		4.5
<u>COMP 2402</u> [0.5]	Abstract Data Types and Algorithms	
<u>COMP 2406</u> [0.5]	Fundamentals of Web Applications	
<u>ERTH 2312</u> [0.5]	Paleontology	
<u>ERTH 3207</u> [0.5]	Metamorphic Petrology and Processes	
<u>ERTH 4003</u> [0.5]	Directed Studies in Earth Sciences	
<u>ERTH 4004</u> [0.5]	Special Topics in Earth Sciences	
<u>ERTH 4107</u> [0.5]	Geotechnical Mechanics	
<u>ERTH 4206</u> [0.5]	Contaminant and Remediation Hydrogeology	
<u>ERTH 4209</u> [0.5]	Mineral Exploration Field Geology	

<a href="#"><u>ERTH 4305</u></a> [0.5]	Advanced Sedimentary Geology and Earth History
<a href="#"><u>ERTH 4507</u></a> [0.5]	Advanced Petrology
<a href="#"><u>ERTH 4801</u></a> [0.5]	Physics of the Earth
<a href="#"><u>ERTH 4807</u></a> [0.5]	Field Geology II
<a href="#"><u>MATH 2004</u></a> [0.5]	Multivariable Calculus for Engineering or Physics
<a href="#"><u>MATH 2107</u></a> [0.5]	Linear Algebra II
<a href="#"><u>MATH 3107</u></a> [0.5]	Linear Algebra III
<a href="#"><u>MATH 3705</u></a> [0.5]	Mathematical Methods I
<a href="#"><u>MATH 3800</u></a> [0.5]	Mathematical Modeling and Computational Methods
<a href="#"><u>PHYS 2202</u></a> [0.5]	Wave Motion and Optics
<a href="#"><u>PHYS 2305</u></a> [0.5]	Electricity and Magnetism
<a href="#"><u>PHYS 2604</u></a> [0.5]	Modern Physics I
<a href="#"><u>PHYS 3308</u></a> [0.5]	Electromagnetism
<a href="#"><u>PHYS 3807</u></a> [0.5]	Mathematical Physics I
<a href="#"><u>PHYS 4203</u></a> [0.5]	Physical Applications of Fourier Analysis
<a href="#"><u>STAT 3503</u></a> [0.5]	Regression Analysis
<a href="#"><u>STAT 3507</u></a> [0.5]	Sampling Methodology

<b>14. 0.5 credit in:</b>		0.5
<a href="#"><u>ISAP 1000</u></a> [0.5]	Seminar in Science	
or approved course outside the Faculties of Science and Engineering and Design		
<b>15. 1.5 credits in free electives.</b>		1.5
Total Credits		

## New Resources

Summary	This is a request to remove this program.
Rationale for change	Currently the Department of Earth Sciences offers 12 different programs and concentrations. With so many options students are confused with exactly which program is right for them, but it has led to most students gravitating to only a few of the offered programs. Earth Sciences with a concentration in Geophysics is an example of a program with low enrolment. Importantly, this program was built at a time with many more faculty members in this subdiscipline and so multiple courses were offered each year. However, with retirements it is not possible for our department to offer many needed courses year to year. Moreover, in surveys of student satisfaction this is an example where satisfaction is low due to complex scheduling, a lack of a cohort for students in such a small program and challenges ensuring that all program requirements can consistently be met. Therefore, we would like to streamline our offerings and reduce confusion for students and direct students toward programs with higher enrolment with much higher degree satisfaction.
Transition/Implementation	We will allow currently enrolled students to finish the program or offer them options to transition into our other offerings. But we will not be admitting new students into this program. In the case that a course accommodation needs to be made, we will ensure students are offered options to ensure they graduate on time.

## Program reviewer comments

Key: 564

# Program Change Request

A deleted record cannot be edited

## Program Delete Proposal

Date Submitted: 04/29/25 7:58 pm

Viewing: **HBS-8Q : Earth Sciences with Concentration in Resource Economics B.Sc. Honours**

Last approved: 04/23/25 10:20 am

Last edit: 04/29/25 7:58 pm

Last modified by: sheilathayer

Changes proposed by: sheilathayer

### In Workflow

1. ERTH ChairDir UG
2. SCI Dean
3. SCI FCC
4. SCI FBoard
5. PRE SCCASP
6. SCCASP
7. SQAPC
8. Senate
9. PRE CalEditor
10. CalEditor

### Approval Path

1. 04/29/25 8:12 pm  
Sheila Thayer  
(sheilathayer): Approved for ERTH ChairDir UG
2. 04/30/25 10:25 am  
Robyn Green  
(robyngreen): Approved for SCI Dean
3. 04/30/25 10:25 am  
Robyn Green  
(robyngreen): Approved for SCI FCC
4. 04/30/25 10:26 am  
Robyn Green  
(robyngreen): Approved for SCI FBoard

### History

1. Mar 21, 2014 by sandra
2. Aug 26, 2014 by vicki
3. Mar 4, 2015 by Sheila Thayer (sheilathayer)
4. Jan 5, 2016 by Sarah Adams-Aston (sarahadamsaston)
5. Mar 17, 2017 by Sarah Adams-Aston (sarahadamsaston)

6. Jan 9, 2018 by Sarah Adams-Aston (sarahadamsaston)
7. Apr 24, 2018 by Mike Labreque (mikelabreque)
8. Apr 17, 2019 by Mike Labreque (mikelabreque)
9. Feb 7, 2020 by Kristin Allen (kristinjallen)
10. Apr 22, 2024 by Kate Armstrong (katearmstrongfurniva)
11. Apr 22, 2024 by Kate Armstrong (katearmstrongfurniva)
12. Apr 23, 2025 by Sheila Thayer (sheilathayer)

Calendar Pages Using this Program

[Earth Sciences](#)

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Effective Date	2026-27
Workflow	majormod
Program Code	HBS-8Q
Level	Undergraduate
Faculty	Faculty of Science
Academic Unit	Department of Earth Sciences
Degree	Bachelor of Science Honours
Title	Earth Sciences with Concentration in Resource Economics B.Sc. Honours

## Program Requirements

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### Earth Sciences with Concentration in Resource Economics B.Sc. Honours (20.0 credits)

A. Credits Included in the Major CGPA (11.0 credits)

- 1. 0.5 credit in:** 0.5
 

<a href="#">ERTH 1002</a> [0.5]	The Earth and Life Odyssey: A Journey Through Billions of Years
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- 2. 3.5 credits in:** 3.5
 

<a href="#">ERTH 2102</a> [0.5]	Mineralogy to Petrology
<a href="#">ERTH 2105</a> [0.5]	Geodynamics
<a href="#">ERTH 2106</a> [0.5]	Geochemistry
<a href="#">ERTH 2312</a> [0.5]	Paleontology
<a href="#">ERTH 2314</a> [0.5]	Sedimentation and Stratigraphy

<a href="#"><u>ERTH 2407</u></a> [0.5]	Structural Geology	
<a href="#"><u>ERTH 2802</u></a> [0.5]	Field Geology I	
<b>3. 3.5 credits in:</b>		3.5
<a href="#"><u>ERTH 2419</u></a> [0.5]	On the Origin of Planets	
<a href="#"><u>ERTH 3004</u></a> [0.5]	Igneous Petrology	
<a href="#"><u>ERTH 3204</u></a> [0.5]	Mineral Deposits	
<a href="#"><u>ERTH 3205</u></a> [0.5]	Physical Hydrogeology	
<a href="#"><u>ERTH 3207</u></a> [0.5]	Metamorphic Petrology and Processes	
<a href="#"><u>ERTH 3405</u></a> [0.5]	Geophysical Methods	
<a href="#"><u>ERTH 3703</u></a> [0.5]	Isotope Geochemistry and Geochronology	
<b>4. 0.5 credit from:</b>		0.5
<a href="#"><u>ERTH 4006</u></a> [0.5]	Field Environmental Geobiology	
<a href="#"><u>ERTH 4209</u></a> [0.5]	Mineral Exploration Field Geology	
<a href="#"><u>ERTH 4807</u></a> [0.5]	Field Geology II	
<b>6. 2.0 credit in ERTH at the 4000-level</b>		2.0
<b>7. 1.0 credit in:</b>		1.0
<a href="#"><u>ERTH 4908</u></a> [1.0]	Honours Thesis	
<b>B. Credits Not Included in the Major CGPA (9.0 credits)</b>		
<b>8. 2.0 credits in:</b>		2.0
<a href="#"><u>ECON 1001</u></a> [0.5]	Introduction to Microeconomics	
& <a href="#"><u>ECON 1002</u></a> [0.5]	Introduction to Macroeconomics	
<a href="#"><u>ECON 2020</u></a> [0.5]	Intermediate Microeconomics I: Producers and Market Structure	
<a href="#"><u>ECON 2210</u></a> [0.5]	Introductory Statistics for Economics	
<a href="#"><u>ECON 3509</u></a> [0.5]	Development Planning and Project Evaluation	
<b>9. 1.5 credit in:</b>		1.5
<a href="#"><u>ECON 3803</u></a> [0.5]	The Economics of Natural Resources	
<a href="#"><u>ECON 3804</u></a> [0.5]	Environmental Economics	
<a href="#"><u>ECON 4030</u></a> [0.5]	Economics of Uncertainty and Information	
<b>10. 1.0 credit in Science Faculty Electives</b>		1.0
<b>10. 1.0 credit in:</b>		1.0
<a href="#"><u>MATH 1007</u></a> [0.5]	Elementary Calculus I	
<a href="#"><u>MATH 1107</u></a> [0.5]	Linear Algebra I	
<b>11. 1.0 credit in:</b>		1.0
<a href="#"><u>CHEM 1001</u></a> [0.5]	General Chemistry I	
& <a href="#"><u>CHEM 1002</u></a> [0.5]	General Chemistry II	
<b>12. 1.0 credit in:</b>		1.0
<a href="#"><u>PHYS 1007</u></a> [0.5]	Elementary University Physics I	
& <a href="#"><u>PHYS 1008</u></a> [0.5]	Elementary University Physics II	
<b>13. 0.5 credit in:</b>		0.5
<a href="#"><u>BIOL 1104</u></a> [0.5]	Foundations of Biology II	
<b>14. 0.5 credit in:</b>		0.5
<a href="#"><u>COMP 1005</u></a> [0.5]	Introduction to Computer Science I	
<b>15. 0.5 credit in:</b>		0.5
<a href="#"><u>ERTH 2004</u></a> [0.5]	Maps, Satellites and the Geospatial Revolution	
<b>Total Credits</b>		20.0

**New Resources**

**Summary**

This is a request to remove this program.

**Rationale for change**

Currently the Department of Earth Sciences offers 12 different programs and concentrations. With so many options students are confused with exactly which program is right for them, but it has led to most students gravitating to only a few of the offered programs. Earth Sciences with a concentration in Resource Economics is an example of a program with extremely low enrolment with just a single student at the moment. In surveys of student satisfaction this is an example where satisfaction is low due to complex scheduling, a lack of a cohort for students in such a small program and challenges ensuring that all program requirements can consistently be met. Therefore, we would like to streamline our offerings and reduce confusion for students and direct students toward programs with higher enrolment with much higher degree satisfaction.

**Transition/Implementation**

This change will have no impact on the existing students. Since the courses BSc students will take in their first year are the same for all students, irrespective of their concentrations, our proposed change will not impact program progression, nor will it require additional curricular changes. Student advising is already in place to help students choose a concentration before registering for the second year. We are working with RO on creating a system that will ensure students declare concentration before being allowed to register for the second year (similar to some other programs at Carleton)

**Program reviewer comments**

Key: 562

# Program Change Request

A deleted record cannot be edited

## Program Delete Proposal

Date Submitted: 04/29/25 8:07 pm

### Viewing: **HBS-7U : Earth Sciences with Concentration in Vertebrate Paleontology and Paleoecology B.Sc. Honours**

Last approved: 04/23/25 10:21 am

Last edit: 04/29/25 8:07 pm

Last modified by: sheilathayer

Changes proposed by: sheilathayer

### In Workflow

1. ERTH ChairDir UG
2. SCI Dean
3. SCI FCC
4. SCI FBoard
5. PRE SCCASP
6. SCCASP
7. SQAPC
8. Senate
9. PRE CalEditor
10. CalEditor

### Approval Path

1. 04/29/25 8:12 pm  
Sheila Thayer  
(sheilathayer): Approved for ERTH ChairDir UG
2. 04/30/25 10:25 am  
Robyn Green  
(robyngreen): Approved for SCI Dean
3. 04/30/25 10:26 am  
Robyn Green  
(robyngreen): Approved for SCI FCC
4. 04/30/25 10:26 am  
Robyn Green  
(robyngreen): Approved for SCI FBoard

### History

1. Mar 21, 2014 by sandra
2. Aug 26, 2014 by vicki
3. Mar 4, 2015 by Sheila Thayer (sheilathayer)
4. Jan 5, 2016 by Sarah Adams-Aston (sarahadamsaston)
5. May 19, 2016 by Sandra Bauer (sandrabauer)

6. May 19, 2016 by Sandra Bauer (sandrabauer)
7. Apr 5, 2017 by Sandra Bauer (sandrabauer)
8. Apr 24, 2018 by Mike Labreque (mikelabreque)
9. Feb 7, 2020 by Kristin Allen (kristinjallen)
10. Apr 22, 2024 by Kate Armstrong (katearmstrongfurniva)
11. Apr 23, 2025 by Sheila Thayer (sheilathayer)

Calendar Pages Using this Program

[Earth Sciences](#)

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Effective Date	2026-27
Workflow	majormod
Program Code	HBS-7U
Level	Undergraduate
Faculty	Faculty of Science
Academic Unit	Department of Earth Sciences
Degree	Bachelor of Science Honours
Title	Earth Sciences with Concentration in Vertebrate Paleontology and Paleoecology B.Sc. Honours

## Program Requirements

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### Earth Sciences with Concentration in Vertebrate Paleontology and Paleoecology B.Sc. Honours (20.0 credits)

A. Credits Included in the Major CGPA (10.5 credits)

- 1. 0.5 credit in:** 0.5  
[ERTH 1002](#) [0.5] The Earth and Life Odyssey: A Journey Through Billions of Years
- 2. 2.5 credits in:** 2.5  
[ERTH 2102](#) [0.5] Mineralogy to Petrology  
[ERTH 2105](#) [0.5] Geodynamics  
[ERTH 2106](#) [0.5] Geochemistry  
[ERTH 2312](#) [0.5] Paleontology  
[ERTH 2314](#) [0.5] Sedimentation and Stratigraphy
- 3. 2.0 credits in:** 2.0  
[ERTH 3111](#) [0.5] Vertebrate Evolution: Mammals, Reptiles, and Birds  
[ERTH 3112](#) [0.5] Vertebrate Evolution: Fish and Amphibians

[ERTH 3113](#) [0.5]

Geology of Human Origins (See Note, below)

[ERTH 4302](#) [0.5]

Frozen Earth: Unveiling the Snowball Earth Catastrophe

**4. 0.5 credit from:**[ERTH 4003](#) [0.5]

Directed Studies in Earth Sciences

[ERTH 4808](#) [0.5]

Vertebrate Paleontology Field Camp

0.5

**5. 1.0 credit in:**[ERTH 4908](#) [1.0]

Honours Thesis

1.0

**6. 4.0 credits from** and to include 2.0 credits at the 4000-level:

4.0

[BIOL 3104](#) [0.5]

Molecular Genetics

[BIOL 3202](#) [0.5]

Principles of Developmental Biology

[BIOL 3501](#) [0.5]

Biomechanics

[BIOL 3605](#) [0.5]

Field Course I

[BIOL 3609](#) [0.5]

Evolutionary Concepts

[BIOL 3611](#) [0.5]

Evolutionary Ecology

[BIOL 3802](#) [0.5]

Animal Behaviour

[BIOL 4102](#) [0.5]

Molecular Ecology

[BIOL 4103](#) [0.5]

Population Genetics

[BIOL 4104](#) [0.5]

Evolutionary Genetics

[BIOL 4207](#) [0.5]

Advanced Embryology &amp; Developmental Biology

[BIOL 4500](#) [0.5]

The Biology of Birds

[BIOL 4501](#) [0.5]

The Taxonomy of Birds

[BIOL 4502](#) [0.5]

Herpetology

[BIOL 4604](#) [0.5]

Landscape Ecology

[BIOL 4802](#) [0.5]

Advanced Animal Behaviour

[ERTH 2401](#) [0.5]

Dinosaurs

[ERTH 2407](#) [0.5]

Structural Geology

[ERTH 2419](#) [0.5]

On the Origin of Planets

[ERTH 4006](#) [0.5]

Field Environmental Geobiology

[ERTH 4007](#) [0.5]

Evolutionary Developmental Paleobiology

[GEOG 3102](#) [0.5]

Geomorphology

[GEOG 3104](#) [0.5]

Principles of Biogeography

**B. Credits Not Included in the Major CGPA (9.5 credits)****7. 2.5 credits in:**

2.5

[BIOL 1103](#) [0.5]

Foundations of Biology I

[BIOL 1104](#) [0.5]

Foundations of Biology II

[MATH 1007](#) [0.5]

Elementary Calculus I

[MATH 1107](#) [0.5]

Linear Algebra I

[PHYS 1007](#) [0.5]

Elementary University Physics I

**8. 1.0 credit in:**

1.0

[CHEM 1001](#) [0.5]

General Chemistry I

& [CHEM 1002](#) [0.5]

General Chemistry II

**9. 2.0 credits in:**

2.0

[BIOL 2001](#) [0.5]

Animals: Form and Function

[BIOL 2104](#) [0.5]

Introductory Genetics

[BIOL 2600](#) [0.5]

Ecology

[STAT 2507](#) [0.5]

Introduction to Statistical Modeling I

**10. 0.5 credit in** Science Faculty Electives (not ERTH or BIOL)

0.5

<b>11. 0.5 credit in:</b>		0.5
<u>ERTH 2004</u> [0.5]	Maps, Satellites and the Geospatial Revolution	
<b>12. 0.5 credit in:</b>		0.5
<u>ISAP 1000</u> [0.5]	Seminar in Science	
<b>13. 1.5 credits in</b> approved courses outside the faculties of Science and Engineering and Design		1.5
<b>14. 1.0 credits in</b> free electives.		1.0
Total Credits		20.0

## New Resources

Summary This is a request to remove this program.

Rationale for change A Honours degree and Majors degree in Vertebrate Paleontology have been created to replace the Concentration in Vertebrate Paleontology. In an effort to create a common first year among remaining concentrations, it was noted that the Paleo concentration would not fit. The first year of the paleo concentration is distinct because it front loads some biology courses that are needed as prerequisites for later years that are not part of the other concentrations. By making paleo a program, it can have a unique first year. Also given the popularity of the paleo concentration, making it a program would boost its visibility as well.

Transition/Implementation This change will have no impact on the existing students and their courses.

Program reviewer  
comments

Key: 563

# Program Change Request

## New Program Proposal

Date Submitted: 04/08/25 11:31 am

### Viewing: **TBD-2317 : Earth Sciences in Vertebrate Paleontology and Paleoecology B.Sc. Honours**

Last edit: 04/14/25 10:14 am

Last modified by: robyngreen

Changes proposed by: sheilathayer

In Workflow

1. ERTH ChairDir UG
2. SCI Dean
3. SCI FCC
4. SCI FBoard
5. PRE SCCASP
6. SCCASP
7. SQAPC
8. Senate
9. PRE CalEditor
10. CalEditor

Approval Path

1. 04/08/25 11:37 am  
Tim Patterson  
(timpatterson): Approved for ERTH ChairDir UG
2. 04/10/25 9:32 am  
Maria Partington  
(MariaPartington): Approved for SCI Dean
3. 04/21/25 9:28 am  
Maria Partington  
(MariaPartington): Approved for SCI FCC
4. 04/24/25 1:18 pm  
Maria Partington  
(MariaPartington): Approved for SCI FBoard

Effective Date	2026-27
Workflow	majormod
Program Code	TBD-2317
Level	Undergraduate
Faculty	Faculty of Science
Academic Unit	Department of Earth Sciences
Degree	
Title	Earth Sciences in Vertebrate Paleontology and Paleoecology B.Sc. Honours

## Program Requirements

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### Earth Sciences in Vertebrate Paleontology and Paleoecology B.Sc. Honours (20.0 credits)

#### A. Credits Included in the Major CGPA (10.5 credits)

<b>1. 0.5 credit in:</b>		0.5
<a href="#"><u>ERTH 1002</u></a> [0.5]	The Earth and Life Odyssey: A Journey Through Billions of Years	
<b>2. 2.5 credits in:</b>		2.5
<a href="#"><u>ERTH 2102</u></a> [0.5]	Mineralogy to Petrology	
<a href="#"><u>ERTH 2105</u></a> [0.5]	Geodynamics	
<a href="#"><u>ERTH 2106</u></a> [0.5]	Geochemistry	
<a href="#"><u>ERTH 2312</u></a> [0.5]	Paleontology	
<a href="#"><u>ERTH 2314</u></a> [0.5]	Sedimentation and Stratigraphy	
<b>3. 2.0 credits in:</b>		2.0
<a href="#"><u>ERTH 3111</u></a> [0.5]	Vertebrate Evolution: Mammals, Reptiles, and Birds	
<a href="#"><u>ERTH 3112</u></a> [0.5]	Vertebrate Evolution: Fish and Amphibians	
<a href="#"><u>ERTH 3113</u></a> [0.5]	Geology of Human Origins (See Note, below)	
<a href="#"><u>ERTH 4302</u></a> [0.5]	Frozen Earth: Unveiling the Snowball Earth Catastrophe	
<b>4. 0.5 credit from:</b>		0.5
<a href="#"><u>ERTH 4003</u></a> [0.5]	Directed Studies in Earth Sciences	
<a href="#"><u>ERTH 4808</u></a> [0.5]	Vertebrate Paleontology Field Camp	
<b>5. 1.0 credit from:</b>		1.0
<a href="#"><u>ERTH 4908</u></a> [1.0]	Honours Thesis	
<b>6. 4.0 credits from</b> and to include 2.0 credits at the 4000-level:		4.0
<a href="#"><u>BIOL 3104</u></a> [0.5]	Molecular Genetics	
<a href="#"><u>BIOL 3202</u></a> [0.5]	Principles of Developmental Biology	
<a href="#"><u>BIOL 3501</u></a> [0.5]	Biomechanics	
<a href="#"><u>BIOL 3605</u></a> [0.5]	Field Course I	
<a href="#"><u>BIOL 3609</u></a> [0.5]	Evolutionary Concepts	
<a href="#"><u>BIOL 3611</u></a> [0.5]	Evolutionary Ecology	
<a href="#"><u>BIOL 3802</u></a> [0.5]	Animal Behaviour	
<a href="#"><u>BIOL 4102</u></a> [0.5]	Molecular Ecology	
<a href="#"><u>BIOL 4103</u></a> [0.5]	Population Genetics	
<a href="#"><u>BIOL 4104</u></a> [0.5]	Evolutionary Genetics	
<a href="#"><u>BIOL 4207</u></a> [0.5]	Advanced Embryology & Developmental Biology	
<a href="#"><u>BIOL 4500</u></a> [0.5]	The Biology of Birds	
<a href="#"><u>BIOL 4501</u></a> [0.5]	The Taxonomy of Birds	
<a href="#"><u>BIOL 4502</u></a> [0.5]	Herpetology	
<a href="#"><u>BIOL 4604</u></a> [0.5]	Landscape Ecology	
<a href="#"><u>BIOL 4802</u></a> [0.5]	Advanced Animal Behaviour	
<a href="#"><u>GEOG 3102</u></a> [0.5]	Geomorphology	
<a href="#"><u>GEOG 3104</u></a> [0.5]	Principles of Biogeography	
<a href="#"><u>ERTH 2401</u></a> [0.5]	Dinosaurs	

<a href="#"><u>ERTH 2407</u></a> [0.5]	Structural Geology
<a href="#"><u>ERTH 2419</u></a> [0.5]	On the Origin of Planets
<a href="#"><u>ERTH 4006</u></a> [0.5]	Field Environmental Geobiology
<a href="#"><u>ERTH 4007</u></a> [0.5]	Evolutionary Developmental Paleobiology

## B. Credits Not Included in the Major CGPA (9.5 credits)

## 7. 2.5 credits in:

<a href="#"><u>BIOL 1103</u></a> [0.5]	Foundations of Biology I
<a href="#"><u>BIOL 1104</u></a> [0.5]	Foundations of Biology II
<a href="#"><u>MATH 1007</u></a> [0.5]	Elementary Calculus I
<a href="#"><u>MATH 1107</u></a> [0.5]	Linear Algebra I
<a href="#"><u>PHYS 1007</u></a> [0.5]	Elementary University Physics I

## 8. 1.0 credit in:

<a href="#"><u>CHEM 1001</u></a> [0.5]	General Chemistry I
& <a href="#"><u>CHEM 1002</u></a> [0.5]	General Chemistry II

## 9. 2.0 credits in:

<a href="#"><u>BIOL 2001</u></a> [0.5]	Animals: Form and Function
<a href="#"><u>BIOL 2104</u></a> [0.5]	Introductory Genetics
<a href="#"><u>BIOL 2600</u></a> [0.5]	Ecology
<a href="#"><u>STAT 2507</u></a> [0.5]	Introduction to Statistical Modeling I

## 10. 0.5 credit in Science Faculty Electives (not ERTH or BIOL)

<a href="#"><u>ERTH 2004</u></a> [0.5]	Maps, Satellites and the Geospatial Revolution
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## 12. 0.5 credit in:

<a href="#"><u>ISAP 1000</u></a> [0.5]	Seminar in Science
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## 13. 1.5 credits in approved courses outside the faculties of Science and Engineering and Design

## 14. 1.0 credits in free electives.

Total Credits

20.0

## Note:

For Item 3 above, ERTH 3203 is required if prerequisite conditions are met.

New Resources	No New Resources
Summary	Create a BSc. Honors in Vertebrate Paleontology and Paleoecology  The ERTH Department has undergone a large curriculum and program overhaul. This new program is intended to replace the previous Vertebrate Paleontology Concentration. The creation of a ERTH Paleo program is part of a restructuring of the offerings in the Earth Sciences Department where we have significantly reduced the number of concentrations and have instead moved toward three program streams for our students to help harmonize with requests and directives from the faculty of science. Our Vertebrate Paleontology program is one of the few that exist across Canada and at the moment we believe it to be the largest in the country. Our previous concentration has been very successful in recruiting both graduate and undergraduate students and so this program will build upon this past success. Importantly, this program is distinct from a pure Earth Sciences degree as concepts in biology and evolutionary biology and paleontology require a prominent position, making it distinct from our Earth Sciences program.
Rationale	All students impacted due to any unforeseen changes will be accommodated so they are able to graduate on time.
Transition/Implementation	All students impacted due to any unforeseen changes will be accommodated so they are able to graduate on time.

Program reviewer  
comments

Key: 2317

# Program Change Request

## New Program Proposal

Date Submitted: 04/08/25 11:33 am

### Viewing: **TBD-2318 : Earth Sciences in Vertebrate Paleontology and Paleoecology B.Sc. Major**

Last edit: 04/14/25 10:15 am

Last modified by: robyngreen

Changes proposed by: sheilathayer

#### In Workflow

1. ERTH ChairDir UG
2. SCI Dean
3. SCI FCC
4. SCI FBoard
5. PRE SCCASP
6. SCCASP
7. SQAPC
8. Senate
9. PRE CalEditor
10. CalEditor

#### Approval Path

1. 04/08/25 11:37 am  
Tim Patterson  
(timpatterson): Approved for ERTH ChairDir UG
2. 04/10/25 9:33 am  
Maria Partington  
(MariaPartington): Approved for SCI Dean
3. 04/21/25 9:29 am  
Maria Partington  
(MariaPartington): Approved for SCI FCC
4. 04/24/25 1:18 pm  
Maria Partington  
(MariaPartington): Approved for SCI FBoard

Effective Date	2026-27
Workflow	majormod
Program Code	TBD-2318
Level	Undergraduate
Faculty	Faculty of Science
Academic Unit	Department of Earth Sciences
Degree	
Title	Earth Sciences in Vertebrate Paleontology and Paleoecology B.Sc. Major

## Program Requirements

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### Earth Sciences in Vertebrate Paleontology and Paleoecology B.Sc. Major (20.0 credits)

#### A. Credits Included in the Major CGPA (10.5 credits)

<b>1. 0.5 credit in:</b>		0.5
<a href="#"><u>ERTH 1002</u></a> [0.5]	The Earth and Life Odyssey: A Journey Through Billions of Years	
<b>2. 2.5 credits in:</b>		2.5
<a href="#"><u>ERTH 2102</u></a> [0.5]	Mineralogy to Petrology	
<a href="#"><u>ERTH 2105</u></a> [0.5]	Geodynamics	
<a href="#"><u>ERTH 2106</u></a> [0.5]	Geochemistry	
<a href="#"><u>ERTH 2312</u></a> [0.5]	Paleontology	
<a href="#"><u>ERTH 2314</u></a> [0.5]	Sedimentation and Stratigraphy	
<b>3. 2.0 credits in:</b>		2.0
<a href="#"><u>ERTH 3111</u></a> [0.5]	Vertebrate Evolution: Mammals, Reptiles, and Birds	
<a href="#"><u>ERTH 3112</u></a> [0.5]	Vertebrate Evolution: Fish and Amphibians	
<a href="#"><u>ERTH 3113</u></a> [0.5]	Geology of Human Origins (See Note, below)	
<a href="#"><u>ERTH 4302</u></a> [0.5]	Frozen Earth: Unveiling the Snowball Earth Catastrophe	
<b>4. 0.5 credit from:</b>		0.5
<a href="#"><u>ERTH 4003</u></a> [0.5]	Directed Studies in Earth Sciences	
<a href="#"><u>ERTH 4808</u></a> [0.5]	Vertebrate Paleontology Field Camp	
<b>5. 1.0 credit in ERTH at the 4000-level</b>		1.0
<b>6. 4.0 credits from</b> and to include 2.0 credits at the 4000-level:		4.0
<a href="#"><u>BIOL 3104</u></a> [0.5]	Molecular Genetics	
<a href="#"><u>BIOL 3202</u></a> [0.5]	Principles of Developmental Biology	
<a href="#"><u>BIOL 3501</u></a> [0.5]	Biomechanics	
<a href="#"><u>BIOL 3605</u></a> [0.5]	Field Course I	
<a href="#"><u>BIOL 3609</u></a> [0.5]	Evolutionary Concepts	
<a href="#"><u>BIOL 3611</u></a> [0.5]	Evolutionary Ecology	
<a href="#"><u>BIOL 3802</u></a> [0.5]	Animal Behaviour	
<a href="#"><u>BIOL 4102</u></a> [0.5]	Molecular Ecology	
<a href="#"><u>BIOL 4103</u></a> [0.5]	Population Genetics	
<a href="#"><u>BIOL 4104</u></a> [0.5]	Evolutionary Genetics	
<a href="#"><u>BIOL 4207</u></a> [0.5]	Advanced Embryology & Developmental Biology	
<a href="#"><u>BIOL 4500</u></a> [0.5]	The Biology of Birds	
<a href="#"><u>BIOL 4501</u></a> [0.5]	The Taxonomy of Birds	
<a href="#"><u>BIOL 4502</u></a> [0.5]	Herpetology	
<a href="#"><u>BIOL 4604</u></a> [0.5]	Landscape Ecology	
<a href="#"><u>BIOL 4802</u></a> [0.5]	Advanced Animal Behaviour	
<a href="#"><u>GEOG 3102</u></a> [0.5]	Geomorphology	
<a href="#"><u>GEOG 3104</u></a> [0.5]	Principles of Biogeography	
<a href="#"><u>ERTH 2401</u></a> [0.5]	Dinosaurs	
<a href="#"><u>ERTH 2407</u></a> [0.5]	Structural Geology	

<a href="#"><u>ERTH 2419</u></a> [0.5]	On the Origin of Planets
<a href="#"><u>ERTH 4006</u></a> [0.5]	Field Environmental Geobiology
<a href="#"><u>ERTH 4007</u></a> [0.5]	Evolutionary Developmental Paleobiology

B. Credits Not Included in the Major CGPA (9.5 credits)

**7. 2.5 credits in:**

2.5

<a href="#"><u>BIOL 1103</u></a> [0.5]	Foundations of Biology I
<a href="#"><u>BIOL 1104</u></a> [0.5]	Foundations of Biology II
<a href="#"><u>MATH 1007</u></a> [0.5]	Elementary Calculus I
<a href="#"><u>MATH 1107</u></a> [0.5]	Linear Algebra I
<a href="#"><u>PHYS 1007</u></a> [0.5]	Elementary University Physics I

**8. 1.0 credit in:**

1.0

<a href="#"><u>CHEM 1001</u></a> [0.5]	General Chemistry I
& <a href="#"><u>CHEM 1002</u></a> [0.5]	General Chemistry II

**9. 2.0 credits in:**

2.0

<a href="#"><u>BIOL 2001</u></a> [0.5]	Animals: Form and Function
<a href="#"><u>BIOL 2104</u></a> [0.5]	Introductory Genetics
<a href="#"><u>BIOL 2600</u></a> [0.5]	Ecology
<a href="#"><u>STAT 2507</u></a> [0.5]	Introduction to Statistical Modeling I

**10. 0.5 credit in** Science Faculty Electives (not ERTH or BIOL)

0.5

**11. 0.5 credit in:**

0.5

<a href="#"><u>ERTH 2004</u></a> [0.5]	Maps, Satellites and the Geospatial Revolution
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**12. 0.5 credit in:**

0.5

<a href="#"><u>ISAP 1000</u></a> [0.5]	Seminar in Science
--	--------------------

**13. 1.5 credits in** approved courses outside the faculties of Science and Engineering and Design

1.5

**14. 1.0 credits in** free electives.

1.0

Total Credits

20.0

**Note:**

For **Item 3** above, ERTH 3203 is required if prerequisite conditions are met.

New Resources	No New Resources
Summary	Create a BSc Major in Vertebrate Paleontology and Paleoecology. A 20 credit program for those students who did not want to complete an Honours degree.
Rationale	Create a BSc Major in Vertebrate Paleontology and Paleoecology. A 20 credit program for those students who did not want to complete an Honours degree. The creation of a ERTH Paleo program is part of a restructuring of the offerings in the Earth Sciences Department where we have significantly reduced the number of concentrations and have instead moved toward three program streams for our students to help harmonize with requests and directives from the faculty of science. Our Vertebrate Paleontology program is one of the few that exist across Canada and at the moment we believe it to be the largest in the country. Our previous concentration has been very successful in recruiting both graduate and undergraduate students and so this program will build upon this past success. Importantly, this program is distinct from a pure Earth Sciences degree as concepts in biology and evolutionary biology and paleontology require a prominent position, making it distinct from our Earth Sciences program.
Transition/Implementation	Create a BSc Major in Vertebrate Paleontology and Paleoecology. A 20 credit program for those students who did not want to complete an Honours degree.

Program reviewer  
comments

Key: 2318

# Program Change Request

## New Program Proposal

Date Submitted: 11/13/24 9:28 am

Viewing: **TBD-2284 : Linguistics B.Sc. Honours**

Last edit: 04/01/25 3:57 pm

Last modified by: angelwagner

Changes proposed by: nataliephelan

### In Workflow

1. LALS ChairDir UG
2. SCI Dean
3. AS Dean
4. SCI FCC
5. AS FCC
6. SCI FBoard
7. AS FBoard
8. PRE SCCASP
9. SCCASP
10. SQAPC
11. Senate
12. PRE CalEditor
13. CalEditor

### Approval Path

1. 11/13/24 10:56 am  
Michael Rodgers  
(michaelrodgers):  
Approved for LALS  
ChairDir UG
2. 11/13/24 11:00 am  
Maria Doria  
(mariadoria): Approved  
for SCI Dean
3. 11/21/24 8:42 am  
Augustine Park  
(augustinepark):  
Approved for AS Dean
4. 11/21/24 2:49 pm  
Maria Doria  
(mariadoria): Approved  
for SCI FCC
5. 11/29/24 9:17 am  
Augustine Park  
(augustinepark):  
Approved for AS FCC
6. 12/04/24 2:39 pm  
Maria Doria  
(mariadoria): Approved  
for SCI FBoard
7. 01/16/25 12:15 pm  
Augustine Park  
(augustinepark):  
Approved for AS FBoard

Effective Date	2026-27
Workflow	majormod
Program Code	TBD-2284
Level	Undergraduate
Faculty	Faculty of Arts and Social Sciences Faculty of Science
Academic Unit	School of Linguistics and Language Studies
Degree	
Title	Linguistics B.Sc. Honours

## Program Requirements

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### Linguistics

#### B.Sc. Honours (20.0 credits)

##### A. Credits Included in the Major CGPA (9.0 credits)

<b>1. 1.5 credits in:</b>	1.5
<a href="#"><u>ALDS 1001</u></a> [0.5]	Language Matters: Introduction to ALDS
<a href="#"><u>LING 1001</u></a> [0.5]	Introduction to Linguistics I
<a href="#"><u>LING 1002</u></a> [0.5]	Introduction to Linguistics II
<b>2. 1.0 credit in:</b>	1.0
<a href="#"><u>LING 2005</u></a> [0.5]	Linguistic Analysis
<a href="#"><u>LING 2007</u></a> [0.5]	Phonetics
<b>3. 1.5 credits from:</b>	1.5
<a href="#"><u>LING 3004</u></a> [0.5]	Syntax I
<a href="#"><u>LING 3005</u></a> [0.5]	Morphology I
<a href="#"><u>LING 3007</u></a> [0.5]	Phonology I
<a href="#"><u>LING 3505</u></a> [0.5]	Semantics
<b>4. 2.0 credits in LING at the 4000-level</b>	2.0
<b>5. 3.0 credits in LING, excluding <a href="#"><u>LING 1100</u></a></b>	3.0
<b>B. Credits Not Included in the Major CGPA (11.0 credits)</b>	
<b>6. 1.5 credits in:</b>	1.5
<a href="#"><u>BIOL 1103</u></a> [0.5]	Foundations of Biology I
<a href="#"><u>BIOL 1104</u></a> [0.5]	Foundations of Biology II
<a href="#"><u>BIOL 3306</u></a> [0.5]	Human Anatomy and Physiology
<b>7. 1.0 credit in:</b>	1.0
<a href="#"><u>CHEM 1001</u></a> [0.5]	General Chemistry I
<a href="#"><u>CHEM 1002</u></a> [0.5]	General Chemistry II
<b>8. 1.0 credit in:</b>	1.0
<a href="#"><u>MATH 1007</u></a> [0.5]	Elementary Calculus I

MATH 1107 [0.5]

Linear Algebra I

<b>9. 1.5 credits in</b> Science Continuation (not LING)	1.5
<b>10. 6.0 credits in</b> free electives	6.0
C. Additional Requirements	
11. School Language Proficiency Requirement must be satisfied	

Total Credits 20.0

New Resources No New Resources

Summary Creation of a vanilla Bachelor of Science in Linguistics.

Rationale Existing BSc Linguistics options include a mandatory focus in one of PSYC, NEUR, COMP. This streamlined BSc serves to simplify the choices upon admission, per SCCASP's recent (August 2024 onwards) vision, and provide an exit option to boost retention and graduation rates.

Transition/Implementation N/A - new program

Program reviewer  
comments

Key: 2284

# Program Change Request

Date Submitted: 11/13/24 9:29 am

Viewing: **HBS-223 HBS-22B3 : Linguistics with Concentration in Computer Science B.Sc. Honours Honours:Computer Science Stream**

Last approved: 09/30/24 10:22 am

Last edit: 04/02/25 2:52 pm

Last modified by: angelwagner

Changes proposed by: nataliephelan

## In Workflow

1. LALS ChairDir UG
2. SCI Dean
3. AS Dean
4. SCI FCC
5. AS FCC
6. SCI FBoard
7. AS FBoard
8. PRE SCCASP
9. SCCASP
10. SQAPC
11. Senate
12. PRE CalEditor
13. CalEditor

## Approval Path

1. 11/13/24 10:57 am  
Michael Rodgers  
(michaelrodgers):  
Approved for LALS  
ChairDir UG
2. 11/13/24 11:00 am  
Maria Doria  
(mariadoria): Approved  
for SCI Dean
3. 11/21/24 8:42 am  
Augustine Park  
(augustinepark):  
Approved for AS Dean
4. 11/21/24 2:49 pm  
Maria Doria  
(mariadoria): Approved  
for SCI FCC
5. 11/29/24 9:17 am  
Augustine Park  
(augustinepark):  
Approved for AS FCC
6. 12/04/24 2:39 pm  
Maria Doria  
(mariadoria): Approved  
for SCI FBoard
7. 01/16/25 12:15 pm  
Augustine Park  
(augustinepark):  
Approved for AS FBoard

## History

1. Feb 25, 2021 by Tracey Wright (traceywright)
2. Sep 30, 2024 by Daniel Siddiqi (danielsiddiqi)

Calendar Pages Using this Program [Linguistics \(Bachelor of Science\)](#)

Effective Date	2026-27
Workflow	majormod
Program Code	<a href="#">HBS-223</a> <a href="#">HBS-22B3</a>
Level	Undergraduate
Faculty	Faculty of Arts and Social Sciences Faculty of Science
Academic Unit	School of Linguistics and Language Studies
Degree	Bachelor of Science Honours
Title	Linguistics <a href="#">with Concentration in Computer Science</a> B.Sc. <a href="#">Honours</a> <a href="#">Honours:Computer Science Stream</a>

## Program Requirements

### Linguistics with Concentration in Computer Science Stream B.Sc. Honours (20.0 credits)

A. Credits Included in the Major CGPA (9.0 credits)

<b>1. 1.5 credits in:</b>	1.5
<a href="#">ALDS 1001</a> [0.5]	Language Matters: Introduction to ALDS
<a href="#">LING 1001</a> [0.5]	Introduction to Linguistics I
<a href="#">LING 1002</a> [0.5]	Introduction to Linguistics II
<b>2. 1.0 credit in:</b>	1.0
<a href="#">LING 2005</a> [0.5]	Linguistic Analysis
<a href="#">LING 2007</a> [0.5]	Phonetics
<b>3. 1.5 credits from:</b>	1.5
<a href="#">LING 3004</a> [0.5]	Syntax I
<a href="#">LING 3005</a> [0.5]	Morphology I
<a href="#">LING 3007</a> [0.5]	Phonology I
<a href="#">LING 3505</a> [0.5]	Semantics
<b>4. 2.0 credits in LING at the 4000-level</b>	2.0

<b>5. 3.0 credits in LING, excluding <a href="#">LING 1100</a></b>	3.0
B. Credits Not Included in the Major CGPA (11.0 credits)	
<b>6. 4.0 credits in the Computer Science Concentration</b>	4.0
a. 1.5 credits in:	
<a href="#">COMP 1005</a> [0.5]	Introduction to Computer Science I
<a href="#">COMP 1006</a> [0.5]	Introduction to Computer Science II
<a href="#">COMP 1805</a> [0.5]	Discrete Structures I
b. 1.5 credits in:	
<a href="#">COMP 2401</a> [0.5]	Introduction to Systems Programming
<a href="#">COMP 2402</a> [0.5]	Abstract Data Types and Algorithms
<a href="#">COMP 2404</a> [0.5]	Introduction to Software Engineering
c. 1.0 credit from:	
<a href="#">COMP 2406</a> [0.5]	Fundamentals of Web Applications
<a href="#">COMP 2804</a> [0.5]	Discrete Structures II
<a href="#">COMP 3000</a> [0.5]	Operating Systems
<a href="#">COMP 3002</a> [0.5]	Compiler Construction
<a href="#">COMP 3004</a> [0.5]	Object-Oriented Software Engineering
<a href="#">COMP 3005</a> [0.5]	Database Management Systems
<a href="#">COMP 3007</a> [0.5]	Programming Paradigms
<a href="#">COMP 3008</a> [0.5]	Software Structures for User Interfaces
<b>7. 1.5 credits in:</b>	<u>1.5</u>
<a href="#">BIOL 1103</a> [0.5]	<a href="#">Foundations of Biology I</a>
<a href="#">BIOL 1104</a> [0.5]	<a href="#">Foundations of Biology II</a>
<a href="#">BIOL 3306</a> [0.5]	<a href="#">Human Anatomy and Physiology</a>
<b>8. 1.0 credit in:</b>	1.0
<a href="#">CHEM 1001</a> [0.5]	<a href="#">General Chemistry I</a>
<a href="#">CHEM 1002</a> [0.5]	<a href="#">General Chemistry II</a>
<b>9. 1.0 credit in:</b>	<u>1.0</u>
<a href="#">MATH 1007</a> [0.5]	Elementary Calculus I
<a href="#">MATH 1107</a> [0.5]	Linear Algebra I
<b>8. 6.0 credits in free electives</b>	<u>6.0</u>
<b>10. 3.5 credits in free electives</b>	<u>3.5</u>
C. Additional Requirements	
<b>11. School Language Proficiency Requirement must be satisfied</b>	
<b>10. Bachelor of Science Experimental Science Requirement must be satisfied</b>	
Total Credits	20.0

New Resources	No New Resources
Summary	<ol style="list-style-type: none"> <li>Renaming Comp Sci element to a Concentration, per SCCASP initiative to align naming of program elements.</li> <li>Added BIOL and CHEM courses to non-major credits.</li> <li>Removed line about experimental science requirement; met through addition of BIOL and COMP.</li> </ol>
Rationale for change	Changes are downstream of Senate revision to definition of Concentration.
Transition/Implementation	Students will choose their concentration after admission to the program. Linguistics generally admits in the second year, so things will largely remain the same. First year students who have already been admitted to the BSc will be advised that their BSc

requirements can ultimately be satisfied through concentrations with some advice on 1000-level courses they may like to take ahead of choosing their concentration.

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Program reviewer  
comments

**elizabethbruce (01/31/25 3:03 pm):** Updating code from HBS-22B3 to HBS-223 to reflect changes made in 202530. If change from stream to concentration proceeds for 202630 the code will be updated again.

Key: 2000

# Program Change Request

Date Submitted: 11/13/24 9:28 am

Viewing: **HBS-222 HBS-22B2 : Linguistics with Concentration in Neuroscience B.Sc. Honours** ~~Honours Neuroscience Stream~~

Last approved: 09/30/24 10:22 am

Last edit: 04/02/25 2:52 pm

Last modified by: angelwagner

Changes proposed by: nataliephelan

## In Workflow

1. LALS ChairDir UG
2. SCI Dean
3. AS Dean
4. SCI FCC
5. AS FCC
6. SCI FBoard
7. AS FBoard
8. PRE SCCASP
9. SCCASP
10. SQAPC
11. Senate
12. PRE CalEditor
13. CalEditor

## Approval Path

1. 11/13/24 10:58 am  
Michael Rodgers  
(michaelrodgers):  
Approved for LALS  
ChairDir UG
2. 11/13/24 11:00 am  
Maria Doria  
(mariadoria): Approved  
for SCI Dean
3. 11/21/24 8:42 am  
Augustine Park  
(augustinepark):  
Approved for AS Dean
4. 11/21/24 2:49 pm  
Maria Doria  
(mariadoria): Approved  
for SCI FCC
5. 11/29/24 9:17 am  
Augustine Park  
(augustinepark):  
Approved for AS FCC
6. 12/04/24 2:39 pm  
Maria Doria  
(mariadoria): Approved  
for SCI FBoard
7. 01/16/25 12:15 pm  
Augustine Park  
(augustinepark):  
Approved for AS FBoard

## History

1. Mar 19, 2019 by Mike Labreque (mikelabreque)
2. Sep 30, 2024 by Daniel Siddiqi (danielsiddiqi)

Calendar Pages Using this Program [Linguistics \(Bachelor of Science\)](#)

Effective Date	2026-27
Workflow	majormod
Program Code	<a href="#">HBS-222</a> <a href="#">HBS-22B2</a>
Level	Undergraduate
Faculty	Faculty of Arts and Social Sciences Faculty of Science
Academic Unit	School of Linguistics and Language Studies
Degree	Bachelor of Science Honours
Title	Linguistics <a href="#">with Concentration in Neuroscience</a> B.Sc. Honours <a href="#">Honours:Neuroscience Stream</a>

## Program Requirements

### Linguistics with Concentration in Neuroscience Stream B.Sc. Honours (20.0 credits)

A. Credits Included in the Major CGPA (9.0 credits)

<b>1. 1.5 credits in:</b>		1.5
<a href="#">ALDS 1001</a> [0.5]	Language Matters: Introduction to ALDS	
<a href="#">LING 1001</a> [0.5]	Introduction to Linguistics I	
<a href="#">LING 1002</a> [0.5]	Introduction to Linguistics II	
<b>2. 1.0 credit in:</b>		1.0
<a href="#">LING 2005</a> [0.5]	Linguistic Analysis	
<a href="#">LING 2007</a> [0.5]	Phonetics	
<b>3. 1.5 credits from:</b>		1.5
<a href="#">LING 3004</a> [0.5]	Syntax I	
<a href="#">LING 3005</a> [0.5]	Morphology I	
<a href="#">LING 3007</a> [0.5]	Phonology I	
<a href="#">LING 3505</a> [0.5]	Semantics	
<b>4. 2.0 credits in LING at the 4000-level</b>		2.0

5. 3.0 credits in LING, excluding <a href="#">LING 1100</a>	3.0
B. Credits not included in the Major CGPA (11.0 credits)	
6. 3.5 credits in the Neuroscience Concentration:	3.5
a. 2.0 credits in:	
<a href="#">NEUR 1202</a> [0.5]	Neuroscience of Mental Health and Psychiatric Disease
<a href="#">NEUR 1203</a> [0.5]	Neuroscience of Mental Health and Neurological Disease
<a href="#">NEUR 2001</a> [0.5]	Introduction to Research Methods in Neuroscience
<a href="#">NEUR 2002</a> [0.5]	Introduction to Statistics in Neuroscience
b. 1.5 credits from:	
<a href="#">NEUR 2201</a> [0.5]	Cellular and Molecular Neuroscience
<a href="#">NEUR 2202</a> [0.5]	Neurodevelopment and Plasticity
<a href="#">NEUR 3206</a> [0.5]	Sensory and Motor Neuroscience
<a href="#">NEUR 3207</a> [0.5]	Systems Neuroscience
<a href="#">NEUR 3303</a> [0.5]	The Neuroscience of Consciousness
7. 1.5 credits in:	1.5
<a href="#">BIOL 1103</a> [0.5]	Foundations of Biology I
<a href="#">BIOL 1104</a> [0.5]	Foundations of Biology II
<a href="#">BIOL 3306</a> [0.5]	Human Anatomy and Physiology
8. 1.0 credit in:	1.0
<a href="#">CHEM 1001</a> [0.5]	General Chemistry I
<a href="#">CHEM 1005</a> [0.0]	Course CHEM 1005 Not Found
& <a href="#">CHEM 1006</a> [0.0]	Course CHEM 1006 Not Found
<a href="#">CHEM 1002</a> [0.5]	General Chemistry II
9. 1.0 credit in:	1.0
<a href="#">MATH 1007</a> [0.5]	Elementary Calculus I
<a href="#">MATH 1107</a> [0.5]	Linear Algebra I
10. 4.0 credits in free electives	4.0
C. Additional Requirements	
11. School Language Proficiency Requirement must be satisfied	
Total Credits	20.0

New Resources	No New Resources
Summary	<ol style="list-style-type: none"> <li>Renaming Neuroscience element to a Concentration, per SCCASP initiative to align naming of program elements.</li> <li>Removed CHEM 1005/1006; deleted eff. 24-25.</li> </ol>
Rationale for change	Changes are down stream of Senate revision to definition of Concentration.
Transition/Implementation	Students will choose their concentration after admission to the program. Linguistics generally admits in the second year, so things will largely remain the same. First year students who have already been admitted to the BSc will be advised that their BSc requirements can ultimately be satisfied through concentrations with some advice on 1000-level courses they may like to take ahead of choosing their concentration.

Program reviewer comments	<b>elizabethbruce (01/31/25 3:02 pm):</b> Updating code from HBS-22B2 to HBS-222 to reflect changes made in 202530. If change from stream to concentration proceeds for 202630 the code will be updated again.
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# Program Change Request

Date Submitted: 11/13/24 9:28 am

Viewing: **HBS-221 HBS-22B1 : Linguistics with Concentration in Psychology B.Sc. Honours**  
~~Honours: Psychology Stream~~

Last approved: 09/30/24 10:22 am

Last edit: 04/02/25 2:53 pm

Last modified by: angelwagner

Changes proposed by: nataliephelan

## In Workflow

1. LALS ChairDir UG
2. SCI Dean
3. AS Dean
4. SCI FCC
5. AS FCC
6. SCI FBoard
7. AS FBoard
8. PRE SCCASP
9. SCCASP
10. SQAPC
11. Senate
12. PRE CalEditor
13. CalEditor

## Approval Path

1. 11/13/24 10:58 am  
Michael Rodgers  
(michaelrodgers):  
Approved for LALS  
ChairDir UG
2. 11/13/24 11:00 am  
Maria Doria  
(mariadoria): Approved  
for SCI Dean
3. 11/21/24 8:42 am  
Augustine Park  
(augustinepark):  
Approved for AS Dean
4. 11/21/24 2:49 pm  
Maria Doria  
(mariadoria): Approved  
for SCI FCC
5. 11/29/24 9:17 am  
Augustine Park  
(augustinepark):  
Approved for AS FCC
6. 12/04/24 2:39 pm  
Maria Doria  
(mariadoria): Approved  
for SCI FBoard
7. 01/16/25 12:15 pm  
Augustine Park  
(augustinepark):  
Approved for AS FBoard

## History

1. Mar 19, 2019 by Mike Labreque (mikelabreque)
2. Sep 30, 2024 by Daniel Siddiqi (danielsiddiqi)

Calendar Pages Using this Program

[Linguistics \(Bachelor of Science\)](#)

Effective Date	2026-27
Workflow	majormod
Program Code	<a href="#">HBS-221</a> <a href="#">HBS-22B1</a>
Level	Undergraduate
Faculty	Faculty of Arts and Social Sciences Faculty of Science
Academic Unit	School of Linguistics and Language Studies
Degree	Bachelor of Science Honours
Title	Linguistics <a href="#">with Concentration in Psychology</a> B.Sc. <a href="#">Honours</a> <a href="#">Honours: Psychology Stream</a>

## Program Requirements

### Linguistics with Concentration in Psychology Stream B.Sc. Honours (20.0 credits)

A. Credits included in the Major CGPA (9.0 credits)

<b>1. 1.5 credits in:</b>	1.5
<a href="#">ALDS 1001</a> [0.5]	Language Matters: Introduction to ALDS
<a href="#">LING 1001</a> [0.5]	Introduction to Linguistics I
<a href="#">LING 1002</a> [0.5]	Introduction to Linguistics II
<b>2. 1.0 credit in:</b>	1.0
<a href="#">LING 2005</a> [0.5]	Linguistic Analysis
<a href="#">LING 2007</a> [0.5]	Phonetics
<b>3. 1.5 credits from:</b>	1.5
<a href="#">LING 3004</a> [0.5]	Syntax I
<a href="#">LING 3005</a> [0.5]	Morphology I
<a href="#">LING 3007</a> [0.5]	Phonology I
<a href="#">LING 3505</a> [0.5]	Semantics
<b>4. 2.0 credits in LING at the 4000-level</b>	2.0

<b>5. 3.0 credits in LING, excluding <a href="#">LING 1100</a></b>	3.0
B. Credits Not Included in the Major CGPA (11.0 credits)	
<b>6. 3.5 credits in the Psychology Concentration:</b>	3.5
a. 2.0 credits in:	
<a href="#">PSYC 1001</a> [0.5]	Introduction to Psychology I
<a href="#">PSYC 1002</a> [0.5]	Introduction to Psychology II
<a href="#">PSYC 2001</a> [0.5]	Introduction to Research Methods in Psychology
<a href="#">PSYC 2002</a> [0.5]	Introduction to Statistics in Psychology
b. 1.5 credits from:	
<a href="#">PSYC 2307</a> [0.5]	Human Neuropsychology I
<a href="#">PSYC 2700</a> [0.5]	Introduction to Cognitive Psychology
<a href="#">PSYC 3307</a> [0.5]	Human Neuropsychology II
<a href="#">PSYC 3506</a> [0.5]	Cognitive Development
<a href="#">PSYC 3702</a> [0.5]	Perception
<b>7. 1.5 credits in:</b>	1.5
<a href="#">BIOL 1103</a> [0.5]	Foundations of Biology I
<a href="#">BIOL 1104</a> [0.5]	Foundations of Biology II
<a href="#">BIOL 3306</a> [0.5]	Human Anatomy and Physiology
<b>8. 1.0 credit in:</b>	1.0
<a href="#">CHEM 1001</a> [0.5]	General Chemistry I
<a href="#">CHEM 1005</a> [0.0]	<span style="border: 1px solid red; padding: 2px;">Course CHEM 1005 Not Found</span>
& <a href="#">CHEM 1006</a> [0.0]	<span style="border: 1px solid red; padding: 2px;">Course CHEM 1006 Not Found</span>
<a href="#">CHEM 1002</a> [0.5]	General Chemistry II
<b>9. 1.0 credit in:</b>	1.0
<a href="#">MATH 1007</a> [0.5]	Elementary Calculus I
<a href="#">MATH 1107</a> [0.5]	Linear Algebra I
<b>10. 4.0 credits in free electives</b>	4.0
C. Additional Requirements	
11. School Language Proficiency Requirement must be satisfied	
Total Credits	20.0

New Resources	No New Resources
Summary	1. Renaming Psychology element to a Concentration, per SCCASP initiative to align naming of program elements. 2. Removed CHEM 1005/1006; deleted eff. 24-25.
Rationale for change	Changes are downstream of Senate revision to definition of Concentration.
Transition/Implementation	Students will choose their concentration after admission to the program. Linguistics generally admits in the second year, so things will largely remain the same. First year students who have already been admitted to the BSc will be advised that their BSc requirements can ultimately be satisfied through concentrations with some advice on 1000-level courses they may like to take ahead of choosing their concentration.

Program reviewer comments	<b>elizabethbruce (01/31/25 3:02 pm):</b> Updating code from HBS-22B1 to HBS-221 to reflect changes made in 202530. If change from stream to concentration proceeds for 202630 the code will be updated again.
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# Program Change Request

## New Program Proposal

Date Submitted: 04/07/25 10:05 am

### Viewing: **TBD-2315 : Psycholinguistics and Communication Differences B.Sc. Honours**

Last edit: 04/07/25 10:05 am

Last modified by: angelwagner

Changes proposed by: angelwagner

#### In Workflow

1. LALS ChairDir UG
2. SCI Dean
3. AS Dean
4. SCI FCC
5. AS FCC
6. SCI FBoard
7. AS FBoard
8. PRE SCCASP
9. SCCASP
10. SQAPC
11. Senate
12. PRE CalEditor
13. CalEditor

#### Approval Path

1. 04/07/25 10:43 am  
Beth Macleod  
(bethmacleod):  
Approved for LALS  
ChairDir UG
2. 04/10/25 9:33 am  
Maria Partington  
(MariaPartington):  
Approved for SCI Dean
3. 04/15/25 10:28 am  
Augustine Park  
(augustinepark):  
Approved for AS Dean
4. 04/21/25 9:29 am  
Maria Partington  
(MariaPartington):  
Approved for SCI FCC
5. 04/25/25 9:12 am  
Augustine Park  
(augustinepark):  
Approved for AS FCC
6. 04/28/25 10:25 am  
Robyn Green  
(robyngreen): Approved  
for SCI FBoard
7. 04/29/25 12:41 pm  
Augustine Park  
(augustinepark):  
Approved for AS FBoard

Effective Date	2026-27
Workflow	majormod
Program Code	TBD-2315
Level	Undergraduate
Faculty	Faculty of Arts and Social Sciences Faculty of Science
Academic Unit	School of Linguistics and Language Studies
Degree	Bachelor of Science Honours
Title	Psycholinguistics and Communication Differences B.Sc. Honours

## Program Requirements

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### Psycholinguistics and Communication Differences B.Sc. Honours (20.0 credits)

#### A. Credits Included in the Major CGPA (9.0 credits)

<b>1. 1.5 credits in:</b>	1.5
<a href="#"><u>ALDS 1001</u></a> [0.5]	Language Matters: Introduction to ALDS
<a href="#"><u>LING 1001</u></a> [0.5]	Introduction to Linguistics I
<a href="#"><u>LING 1002</u></a> [0.5]	Introduction to Linguistics II
<b>2. 1.5 credits in:</b>	1.5
<a href="#"><u>LING 2005</u></a> [0.5]	Linguistic Analysis
<a href="#"><u>LING 2007</u></a> [0.5]	Phonetics
<a href="#"><u>LING 2604</u></a> [0.5]	Communication Differences and Disabilities I
<b>3. 2.5 credits in:</b>	2.5
<a href="#"><u>LING 3004</u></a> [0.5]	Syntax I
<a href="#"><u>LING 3007</u></a> [0.5]	Phonology I
<a href="#"><u>LING 3601</u></a> [0.5]	Language Processing and the Brain
<a href="#"><u>LING 3603</u></a> [0.5]	Child Language
<a href="#"><u>LING 3604</u></a> [0.5]	Communication Differences and Disabilities II
<b>4. 1.0 credit from:</b>	1.0
<a href="#"><u>LING 4601</u></a> [0.5]	Cognitive Neuroscience of Language
<a href="#"><u>LING 4603</u></a> [0.5]	First Language Acquisition
<a href="#"><u>LING 4605</u></a> [0.5]	Psycholinguistic Research Methods
<a href="#"><u>LING 4606</u></a> [0.5]	Statistics for Language Research
<b>5. 1.0 credit in LING at the 4000-level</b>	1.0
<b>6. 1.5 credits in LING, excluding <a href="#"><u>LING 1100</u></a></b>	1.5
<b>B. Credits Not Included in the Major CGPA (11.0 credits)</b>	
<b>7. 1.5 credits in:</b>	1.5
<a href="#"><u>BIOL 1103</u></a> [0.5]	Foundations of Biology I

[BIOL 1104](#) [0.5]

Foundations of Biology II

[BIOL 3306](#) [0.5]

Human Anatomy and Physiology

**8. 1.0 credit in:**

1.0

[CHEM 1001](#) [0.5]

General Chemistry I

[CHEM 1002](#) [0.5]

General Chemistry II

**9. 1.0 credit in:**

1.0

[MATH 1007](#) [0.5]

Elementary Calculus I

[MATH 1107](#) [0.5]

Linear Algebra I

**10. 1.5 credits in Science Continuation (not LING)**

1.5

**11. 6.0 credits in free electives**

6.0

## C. Additional Requirements

12. School Language Proficiency Requirement must be satisfied

Total Credits

20.0

New Resources No New Resources

Summary Concentration in Psycholinguistics and Communication Differences changed to a Linguistics major.

Rationale This change creates a streamlined BSc in Psycholinguistics &amp; Communication Differences with no concentration (to exist alongside the previously approved vanilla BSc in Linguistics). This streamlined BSc serves to simplify the choices upon admission, per SCCASP's recent (August 2024 onwards) vision, and provide an exit option to boost retention and graduation rates.

Transition/Implementation N/A, new program.

Program reviewer  
comments

Key: 2315

# Program Change Request

Date Submitted: 11/13/24 9:30 am

Viewing: **HBS-22D3 : Computer Science**  
~~Stream, Concentration in~~  
~~Linguistics B.Sc. Honours: Psycholinguistics~~  
~~and Communication Differences with~~  
**Concentration in Computer Science B.Sc.**  
**Honours**

Last approved: 09/30/24 10:22 am

Last edit: 04/03/25 11:29 am

Last modified by: angelwagner

Changes proposed by: nataliephelan

## In Workflow

1. LALS ChairDir UG
2. SCI Dean
3. AS Dean
4. SCI FCC
5. AS FCC
6. SCI FBoard
7. AS FBoard
8. PRE SCCASP
9. SCCASP
10. SQAPC
11. Senate
12. PRE CalEditor
13. CalEditor

## Approval Path

1. 11/13/24 10:57 am  
Michael Rodgers  
(michaelrodgers):  
Approved for LALS  
ChairDir UG
2. 11/13/24 11:00 am  
Maria Doria  
(mariadoria): Approved  
for SCI Dean
3. 11/21/24 8:42 am  
Augustine Park  
(augustinepark):  
Approved for AS Dean
4. 11/21/24 2:49 pm  
Maria Doria  
(mariadoria): Approved  
for SCI FCC
5. 11/29/24 9:17 am  
Augustine Park  
(augustinepark):  
Approved for AS FCC
6. 12/04/24 2:39 pm  
Maria Doria  
(mariadoria): Approved  
for SCI FBoard
7. 01/16/25 12:15 pm  
Augustine Park  
(augustinepark):  
Approved for AS FBoard

- 8. 04/01/25 3:42 pm  
Angel Wagner  
(angelwagner): Rollback to LALS ChairDir UG for PRE SCCASP
- 9. 04/07/25 10:43 am  
Beth Macleod  
(bethmacleod): Approved for LALS ChairDir UG
- 10. 04/10/25 9:33 am  
Maria Partington  
(MariaPartington): Approved for SCI Dean
- 11. 04/15/25 10:28 am  
Augustine Park  
(augustinepark): Approved for AS Dean
- 12. 04/21/25 9:29 am  
Maria Partington  
(MariaPartington): Approved for SCI FCC
- 13. 04/25/25 9:12 am  
Augustine Park  
(augustinepark): Approved for AS FCC
- 14. 04/28/25 10:25 am  
Robyn Green  
(robyngreen): Approved for SCI FBoard
- 15. 04/29/25 12:41 pm  
Augustine Park  
(augustinepark): Approved for AS FBoard

## History

1. Feb 25, 2021 by Tracey Wright (traceywright)
2. Nov 8, 2023 by Tracey Wright (traceywright)
3. Sep 30, 2024 by Natalie Phelan (nataliephelan)

Calendar Pages Using this Program

[Linguistics \(Bachelor of Science\)](#)

Effective Date	2026-27
Workflow	majormod
Program Code	HBS-22D3
Level	Undergraduate

Faculty	Faculty of Arts and Social Sciences Faculty of Science
Academic Unit	School of Linguistics and Language Studies
Degree	Bachelor of Science Honours
Title	<b>Computer Science Stream, Concentration in Linguistics B.Sc. Honours:</b> Psycholinguistics and Communication Differences <u>with Concentration in Computer Science B.Sc. Honours</u>

## Program Requirements

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### ~~Linguistics with a Concentration in~~

### Psycholinguistics and Communication Differences with Concentration in Computer Science ~~Stream~~ B.Sc. Honours (20.0 credits)

#### A. Credits Included in the Major CGPA (9.0 credits)

<b>1. 1.5 credits in:</b>	<b>1.5</b>
<u>ALDS 1001</u> [0.5]	Language Matters: Introduction to ALDS
<u>LING 1001</u> [0.5]	Introduction to Linguistics I
<u>LING 1002</u> [0.5]	Introduction to Linguistics II
<b>b. 2.0 credits in:</b>	
<b>2. 1.5 credits in:</b>	<b>1.5</b>
<u>LING 2005</u> [0.5]	Linguistic Analysis
<u>LING 2007</u> [0.5]	Phonetics
<u>LING 2604</u> [0.5]	Communication Differences and Disabilities I
<b>3. 2.5 credits in:</b>	<b>2.5</b>
<u>LING 3004</u> [0.5]	Syntax I
<u>LING 3007</u> [0.5]	Phonology I
<u>LING 3601</u> [0.5]	Language Processing and the Brain
<u>LING 3603</u> [0.5]	Child Language
<u>LING 3604</u> [0.5]	Communication Differences and Disabilities II
<b>4. 1.0 credit from:</b>	<b>1.0</b>
<u>LING 4601</u> [0.5]	Cognitive Neuroscience of Language
<u>LING 4603</u> [0.5]	First Language Acquisition
<u>LING 4605</u> [0.5]	Psycholinguistic Research Methods
<u>LING 4606</u> [0.5]	Statistics for Language Research
<b>5. 1.0 credit in LING at the 4000-level</b>	<b>1.0</b>
<b>5. 1.5 credits in LING, excluding <u>LING 1100</u></b>	<b>1.5</b>
<b>B. Credits Not Included in the Major CGPA (11.0 credits)</b>	
<b>7. 4.0 credits in</b> the Computer Science Concentration	<b>4.0</b>
a. 1.5 credits in:	
<u>COMP 1005</u> [0.5]	Introduction to Computer Science I
<u>COMP 1006</u> [0.5]	Introduction to Computer Science II
<u>COMP 1805</u> [0.5]	Discrete Structures I

b. 1.5 credits in:

[COMP 2401](#) [0.5] Introduction to Systems Programming  
[COMP 2402](#) [0.5] Abstract Data Types and Algorithms  
[COMP 2404](#) [0.5] Introduction to Software Engineering

**c. 1.0 credit from:**

c. 1.0 credit from:

[COMP 2406](#) [0.5] Fundamentals of Web Applications  
[COMP 2804](#) [0.5] Discrete Structures II  
[COMP 3000](#) [0.5] Operating Systems  
[COMP 3002](#) [0.5] Compiler Construction  
[COMP 3004](#) [0.5] Object-Oriented Software Engineering  
[COMP 3005](#) [0.5] Database Management Systems  
[COMP 3007](#) [0.5] Programming Paradigms  
[COMP 3008](#) [0.5] Software Structures for User Interfaces

**8. 1.0 credit in:****8. 1.5 credits in:**

[BIOL 1103](#) [0.5] [Foundations of Biology I](#)  
[BIOL 1104](#) [0.5] [Foundations of Biology II](#)  
[BIOL 3306](#) [0.5] [Human Anatomy and Physiology](#)

**9. 1.0 credit in:**

[CHEM 1001](#) [0.5] [General Chemistry I](#)  
[CHEM 1002](#) [0.5] [General Chemistry II](#)

**10. 1.0 credit in:**

[MATH 1007](#) [0.5] Elementary Calculus I  
[MATH 1107](#) [0.5] Linear Algebra I

**9. 6.0 credits in free electives****11. 3.5 credits in free electives****a. 0.5 credit in:**

C. Additional Requirements

**12. School Language Proficiency Requirement must be satisfied****11. Bachelor of Science Experimental Science Requirement must be satisfied**

Total Credits

**1.0****1.5****1.0****1.0****6.0****3.5****20.0**

New Resources	No New Resources
Summary	<ol style="list-style-type: none"> <li>1. Renaming COMP element to a Concentration, per SCCASP initiative to align naming of program elements.</li> <li>2. Added BIOL and CHEM courses to non-major credits.</li> <li>3. Removed line about experimental science requirement; met through addition of BIOL and COMP.</li> </ol>
Rationale for change	Changes are downstream of Senate revision to definition of Concentration.
Transition/Implementation	Students will choose their concentration after admission to the program. Linguistics generally admits in the second year, so things will largely remain the same. First year students who have already been admitted to the BSc will be advised that their BSc requirements can ultimately be satisfied through concentrations with some advice on 1000-level courses they may like to take ahead of choosing their concentration.

Program reviewer  
comments

**angelwagner (04/01/25 3:42 pm):** Rollback: Edits requested by Linguistics.

Key: 2001

# Program Change Request

Date Submitted: 11/13/24 9:29 am

Viewing: **HBS-22D2 : Neuroscience Stream, Concentration in Linguistics B.Sc. Honours: Psycholinguistics and Communication Differences with Concentration in Neuroscience B.Sc. Honours**

Last approved: 09/30/24 10:22 am

Last edit: 04/07/25 10:47 am

Last modified by: angelwagner

Changes proposed by: nataliephelan

## In Workflow

1. LALS ChairDir UG
2. SCI Dean
3. AS Dean
4. SCI FCC
5. AS FCC
6. SCI FBoard
7. AS FBoard
8. PRE SCCASP
9. SCCASP
10. SQAPC
11. Senate
12. PRE CalEditor
13. CalEditor

## Approval Path

1. 11/13/24 10:57 am  
Michael Rodgers  
(michaelrodgers):  
Approved for LALS  
ChairDir UG
2. 11/13/24 11:00 am  
Maria Doria  
(mariadoria): Approved  
for SCI Dean
3. 11/21/24 8:42 am  
Augustine Park  
(augustinepark):  
Approved for AS Dean
4. 11/21/24 2:49 pm  
Maria Doria  
(mariadoria): Approved  
for SCI FCC
5. 11/29/24 9:17 am  
Augustine Park  
(augustinepark):  
Approved for AS FCC
6. 12/04/24 2:39 pm  
Maria Doria  
(mariadoria): Approved  
for SCI FBoard
7. 01/16/25 12:15 pm  
Augustine Park  
(augustinepark):  
Approved for AS FBoard

- 8. 04/01/25 3:27 pm  
Angel Wagner  
(angelwagner): Rollback to LALS ChairDir UG for PRE SCCASP
- 9. 04/07/25 10:43 am  
Beth Macleod  
(bethmacleod): Approved for LALS ChairDir UG
- 10. 04/10/25 9:33 am  
Maria Partington  
(MariaPartington): Approved for SCI Dean
- 11. 04/15/25 10:28 am  
Augustine Park  
(augustinepark): Approved for AS Dean
- 12. 04/21/25 9:29 am  
Maria Partington  
(MariaPartington): Approved for SCI FCC
- 13. 04/25/25 9:12 am  
Augustine Park  
(augustinepark): Approved for AS FCC
- 14. 04/28/25 10:25 am  
Robyn Green  
(robyngreen): Approved for SCI FBoard
- 15. 04/29/25 12:41 pm  
Augustine Park  
(augustinepark): Approved for AS FBoard

## History

1. Apr 16, 2019 by Mike Labreque (mikelabreque)
2. Nov 8, 2023 by Tracey Wright (traceywright)
3. Sep 30, 2024 by Natalie Phelan (nataliephelan)

Calendar Pages Using this Program

[Linguistics \(Bachelor of Science\)](#)

Effective Date	2026-27
Workflow	majormod
Program Code	HBS-22D2
Level	Undergraduate

Faculty	Faculty of Arts and Social Sciences Faculty of Science
Academic Unit	School of Linguistics and Language Studies
Degree	Bachelor of Science Honours
Title	<b>Neuroscience Stream, Concentration in Linguistics B.Sc. Honours:</b> Psycholinguistics and Communication Differences <u>with Concentration in Neuroscience B.Sc. Honours</u>

## Program Requirements

### ~~Linguistics with a Concentration in~~

### Psycholinguistics and Communication Differences with Concentration in Neuroscience Stream B.Sc. Honours (20.0 credits)

#### A. Credits Included in the Major CGPA (9.0 credits)

<b>1. 1.5 credits in:</b>	1.5
<b>6. 3.5 credits from the Concentration:</b>	
<b>a. 0.5 credit in:</b>	0.5
ALDS 1001 [0.5] Language Matters: Introduction to ALDS	
LING 1001 [0.5] Introduction to Linguistics I	
LING 1002 [0.5] Introduction to Linguistics II	
<b>b. 2.0 credits in:</b>	2.0
<b>2. 1.5 credits in:</b>	1.5
LING 2005 [0.5] Linguistic Analysis	
LING 2007 [0.5] Phonetics	
LING 2604 [0.5] Communication Differences and Disabilities I	
<b>3. 2.5 credits in:</b>	2.5
LING 3004 [0.5] Syntax I	
LING 3007 [0.5] Phonology I	
<b>4. 1.0 credit in LING at the 4000 level</b>	1.0
LING 3601 [0.5] Language Processing and the Brain	
LING 3603 [0.5] Child Language	
LING 3604 [0.5] Communication Differences and Disabilities II	
<b>c. 1.0 credit from:</b>	1.0
<b>4. 1.0 credit from:</b>	1.0
LING 4601 [0.5] Cognitive Neuroscience of Language	
LING 4603 [0.5] First Language Acquisition	
LING 4605 [0.5] Psycholinguistic Research Methods	
LING 4606 [0.5] Statistics for Language Research	
<b>5. 1.0 credit in LING at the 4000-level</b>	1.0
<b>6. 1.5 credits in LING, excluding LING 1100</b>	1.5
<b>B. Credits Not Included in the Major CGPA (11.0 credits)</b>	
<b>7. 3.5 credits in the Neuroscience Concentration:</b>	3.5

a. 2.0 credits in:

[NEUR 1202](#) [0.5] Neuroscience of Mental Health and Psychiatric Disease  
[NEUR 1203](#) [0.5] Neuroscience of Mental Health and Neurological Disease  
[NEUR 2001](#) [0.5] Introduction to Research Methods in Neuroscience  
[NEUR 2002](#) [0.5] Introduction to Statistics in Neuroscience

b. 1.5 credits from:

[NEUR 2201](#) [0.5] Cellular and Molecular Neuroscience  
[NEUR 2202](#) [0.5] Neurodevelopment and Plasticity  
[NEUR 3206](#) [0.5] Sensory and Motor Neuroscience  
[NEUR 3207](#) [0.5] Systems Neuroscience  
[NEUR 3303](#) [0.5] The Neuroscience of Consciousness

**8. 1.5 credits in:**

[BIOL 1103](#) [0.5] Foundations of Biology I  
[BIOL 1104](#) [0.5] Foundations of Biology II  
[BIOL 3306](#) [0.5] Human Anatomy and Physiology

1.5

**9. 1.0 credit from:**

**9. 1.0 credit in:**

[CHEM 1001](#) [0.5] General Chemistry I  
~~[CHEM 1005](#) [0.0]~~ ~~[CHEM 1006](#) [0.0]~~  
[CHEM 1002](#) [0.5] General Chemistry II

1.0

**10. 1.0 credit in:**

[MATH 1007](#) [0.5] Elementary Calculus I  
[MATH 1107](#) [0.5] Linear Algebra I

1.0

**11. 4.0 credits in free electives**

4.0

**C. Additional Requirements****12. School Language Proficiency Requirement must be satisfied**

Total Credits

20.0

New Resources	No New Resources
Summary	1. Renaming Neuroscience element to a Concentration, per SCCASP initiative to align naming of program elements. 2. Removed CHEM 1005/1006; deleted eff. 24-25.
Rationale for change	Changes are down stream of Senate revision to definition of Concentration.
Transition/Implementation	Students will choose their concentration after admission to the program. Linguistics generally admits in the second year, so things will largely remain the same. First year students who have already been admitted to the BSc will be advised that their BSc requirements can ultimately be satisfied through concentrations with some advice on 1000-level courses they may like to take ahead of choosing their concentration.

Program reviewer comments	<a href="#"><u>angelwagner</u></a> (04/01/25 3:27 pm): Rollback: Edit requested by Linguistics. <a href="#"><u>angelwagner</u></a> (04/07/25 10:47 am): Editorial
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Key: 1935

# Program Change Request

Date Submitted: 11/13/24 9:29 am

Viewing: **HBS-22D1 : Psychology Stream, Concentration in Linguistics B.Sc. Honours: Psycholinguistics and Communication Differences with Concentration in Psychology B.Sc. Honours**

Last approved: 09/30/24 10:22 am

Last edit: 04/07/25 10:48 am

Last modified by: angelwagner

Changes proposed by: nataliephelan

## In Workflow

1. LALS ChairDir UG
2. SCI Dean
3. AS Dean
4. SCI FCC
5. AS FCC
6. SCI FBoard
7. AS FBoard
8. PRE SCCASP
9. SCCASP
10. SQAPC
11. Senate
12. PRE CalEditor
13. CalEditor

## Approval Path

1. 11/13/24 10:59 am  
Michael Rodgers  
(michaelrodgers):  
Approved for LALS  
ChairDir UG
2. 11/13/24 11:00 am  
Maria Doria  
(mariadoria): Approved  
for SCI Dean
3. 11/21/24 8:42 am  
Augustine Park  
(augustinepark):  
Approved for AS Dean
4. 11/21/24 2:49 pm  
Maria Doria  
(mariadoria): Approved  
for SCI FCC
5. 11/29/24 9:17 am  
Augustine Park  
(augustinepark):  
Approved for AS FCC
6. 12/04/24 2:39 pm  
Maria Doria  
(mariadoria): Approved  
for SCI FBoard
7. 01/16/25 12:15 pm  
Augustine Park  
(augustinepark):  
Approved for AS FBoard

- 8. 04/01/25 3:49 pm  
Angel Wagner  
(angelwagner): Rollback to LALS ChairDir UG for PRE SCCASP
- 9. 04/07/25 10:43 am  
Beth Macleod  
(bethmacleod): Approved for LALS ChairDir UG
- 10. 04/10/25 9:33 am  
Maria Partington  
(MariaPartington): Approved for SCI Dean
- 11. 04/15/25 10:28 am  
Augustine Park  
(augustinepark): Approved for AS Dean
- 12. 04/21/25 9:29 am  
Maria Partington  
(MariaPartington): Approved for SCI FCC
- 13. 04/25/25 9:12 am  
Augustine Park  
(augustinepark): Approved for AS FCC
- 14. 04/28/25 10:25 am  
Robyn Green  
(robyngreen): Approved for SCI FBoard
- 15. 04/29/25 12:41 pm  
Augustine Park  
(augustinepark): Approved for AS FBoard

## History

1. Apr 16, 2019 by Mike Labreque (mikelabreque)
2. Nov 8, 2023 by Tracey Wright (traceywright)
3. Sep 30, 2024 by Natalie Phelan (nataliephelan)

Calendar Pages Using this Program

[Linguistics \(Bachelor of Science\)](#)

Effective Date	2026-27
Workflow	majormod
Program Code	HBS-22D1
Level	Undergraduate

Faculty	Faculty of Arts and Social Sciences Faculty of Science
Academic Unit	School of Linguistics and Language Studies
Degree	Bachelor of Science Honours
Title	<del>Psychology Stream, Concentration in Linguistics B.Sc. Honours:</del> Psycholinguistics and Communication Differences <u>with Concentration in Psychology B.Sc. Honours</u>

## Program Requirements

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### ~~Linguistics with a Concentration in~~

### Psycholinguistics and Communication Differences with Concentration in Psychology Stream B.Sc. Honours (20.0 credits)

#### A. Credits Included in the Major CGPA (9.0 credits)

<b>1. 1.5 credits in:</b>	1.5
<del>6. 3.5 credits from the Concentration</del>	
<del>a. 0.5 credit in:</del>	<del>0.5</del>
<u>ALDS 1001</u> [0.5]	Language Matters: Introduction to ALDS
<u>LING 1001</u> [0.5]	Introduction to Linguistics I
<u>LING 1002</u> [0.5]	Introduction to Linguistics II
<del>b. 2.0 credits in:</del>	<del>2.0</del>
<b>2. 1.5 credits in:</b>	<u>1.5</u>
<u>LING 2005</u> [0.5]	Linguistic Analysis
<u>LING 2007</u> [0.5]	Phonetics
<del>3. 1.0 credit in:</del>	<del>1.0</del>
<u>LING 2604</u> [0.5]	Communication Differences and Disabilities I
<b>3. 2.5 credits in:</b>	<u>2.5</u>
<u>LING 3004</u> [0.5]	Syntax I
<u>LING 3007</u> [0.5]	Phonology I
<del>4. 1.0 credit in LING at the 4000 level</del>	<del>1.0</del>
<u>LING 3601</u> [0.5]	Language Processing and the Brain
<u>LING 3603</u> [0.5]	Child Language
<u>LING 3604</u> [0.5]	Communication Differences and Disabilities II
<del>e. 1.0 credit from:</del>	<del>1.0</del>
<b>4. 1.0 credit from:</b>	1.0
<u>LING 4601</u> [0.5]	Cognitive Neuroscience of Language
<u>LING 4603</u> [0.5]	First Language Acquisition
<u>LING 4605</u> [0.5]	Psycholinguistic Research Methods
<u>LING 4606</u> [0.5]	Statistics for Language Research
<b>5. 1.0 credit in LING at the 4000-level</b>	1.0
<b>6. 1.5 credits in LING, excluding LING 1100</b>	<u>1.5</u>
<b>B. Credits Not Included in the Major CGPA (11.0 credits)</b>	

**7. 3.5 credits in the Psychology Concentration:**

a. 2.0 credits in:

<a href="#"><u>PSYC 1001</u></a> [0.5]	Introduction to Psychology I
<a href="#"><u>PSYC 1002</u></a> [0.5]	Introduction to Psychology II
<a href="#"><u>PSYC 2001</u></a> [0.5]	Introduction to Research Methods in Psychology
<a href="#"><u>PSYC 2002</u></a> [0.5]	Introduction to Statistics in Psychology

b. 1.5 credits from:

<a href="#"><u>PSYC 2307</u></a> [0.5]	Human Neuropsychology I
<a href="#"><u>PSYC 2700</u></a> [0.5]	Introduction to Cognitive Psychology
<a href="#"><u>PSYC 3307</u></a> [0.5]	Human Neuropsychology II
<a href="#"><u>PSYC 3506</u></a> [0.5]	Cognitive Development
<a href="#"><u>PSYC 3702</u></a> [0.5]	Perception

**8. 1.5 credits in:**

<a href="#"><u>BIOL 1103</u></a> [0.5]	Foundations of Biology I
<a href="#"><u>BIOL 1104</u></a> [0.5]	Foundations of Biology II
<a href="#"><u>BIOL 3306</u></a> [0.5]	Human Anatomy and Physiology

**9. 1.0 credit from:**

<a href="#"><u>CHEM 1001</u></a> [0.5]	General Chemistry I
<a href="#"><u>CHEM 1005</u></a> [0.0]	<span style="border: 1px solid red; padding: 2px;">Course CHEM 1005 Not Found</span>
<a href="#"><u>&amp; CHEM 1006</u></a> [0.0]	<span style="border: 1px solid red; padding: 2px;">Course CHEM 1006 Not Found</span>
<a href="#"><u>CHEM 1002</u></a> [0.5]	<a href="#"><u>General Chemistry II</u></a>

**10. 1.0 credit in:**

<a href="#"><u>MATH 1007</u></a> [0.5]	Elementary Calculus I
<a href="#"><u>MATH 1107</u></a> [0.5]	Linear Algebra I

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Key: 1934