

# UC SCIENCE

## Undergraduate Degrees

### 2024

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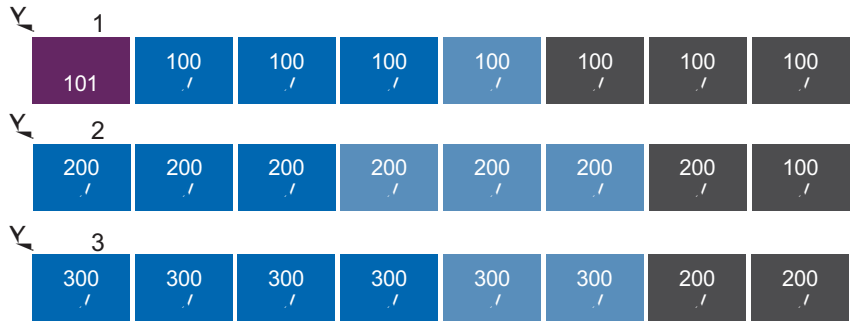


# Bachelor of Science

The Bachelor of Science (BS) is a four-year undergraduate degree program that provides students with a strong foundation in science, technology, and mathematics. The program is designed to prepare students for careers in various scientific fields or for further study in graduate school. The BS degree is awarded to students who complete a minimum of 120 credit hours, including a major in a science field and a minor in a related discipline. The program is highly flexible, allowing students to tailor their studies to their interests and career goals. The BS degree is a highly respected and sought-after qualification that opens up a wide range of opportunities for graduates.

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## Bachelor of Science – example degree structure



Legend for degree structure:

- Dark Blue: Corequisite
- Blue: Prerequisite
- Light Blue: Co-requisite
- Dark Grey: Elective

Additional information: The degree structure is designed to provide a strong foundation in science, technology, and mathematics. The program is highly flexible, allowing students to tailor their studies to their interests and career goals. The BS degree is a highly respected and sought-after qualification that opens up a wide range of opportunities for graduates.

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2. i i f 255 i f r BS (i, 105 i /7 r f r r i / r )
3. i i f 225 i f r r i 100- ; i, i f 135 i (9 r ) 100-
4. SCIE101Si i ,S i M
5. 90 i (6 r ) 300- f i , 60 i i i
6. C r i r i f r i r( ) i r( ).

ASTR112	PHYS101	PHYS102	MATH102	MATH103	SCIE101	COSC131	100
ASTR211/212	PHYS285	PHYS203	PHYS205	PHYS206	MATH201	Recommended MATH202 and/or 203	100/200
ASTR 323/325	PHYS310	ASTR381	PHYS 311/313	300	300	200/300	200/300

BCHM111	BCHM112	SCIE101	CHEM114*	Recommended BIOL112, 113 and CHEM111	100	100	100
BCHM202	BCHM2124*						





STAT101	MATH102	ACCT102	SCIE101	Recommended ECON104, MATH103, FINC101	100	100	100
FINC201	FINC203	Recommended ECON207 or 200 level STAT	Recommended ECON213 or 200-level STAT	200	200	200	100/200
30 points (2 courses) from FINC301/ FINC311/FINC312		300 FINC	300 FINC	300	300	200/300	200/300

STAT101	MATH102	MATH103	COSC 131/121	COSC122	ECON104	SCIE101	ACCT102
FINC201	ECON207/ FINC 203	ECON213	MATH201	SENG201	STAT 211/221	STAT 213	Recommended INFO213
FINC 311/312	FINC331/ ECON331	STAT317/					

GEOL101	GEOL102	SCIE101	100*	100*	100*	100*	100*
GEOL240	GEOL242	GEOL243	GEOL244	GEOL241	200	200	100/200
GEOL351	GEOL352	300 GEOL	300 GEOL	300 Recommended GEOL	300 Recommended GEOL	200/300	200/300

\*100- r f r ASTR, BIOL, CHEM, COSC, ENVR, GEOG, MATH, PHYS, rSTATi r i f r r .

LING101	LING102	SCIE101	100	100	100	100	100
LING212	LING217	200 LING	200	200	200	200	100/200
LING310		300 LING		300	300	200/300	200/300

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MATH102 <sup>1</sup>	MATH103 <sup>1</sup>	SCIE101	MATH101 <sup>2</sup>	Recommended MATH120	100	100	100
45 points (3 courses) selected from MATH201/202/203/220/240			200	200	200	200	100/200
300 MATH	300 MATH	300 MATH	300 MATH	300 <sup>3</sup>	300	200/300	200/300

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<sup>1</sup>3



MATH102*	MATH103*	SCIE101	Recommended STAT101	100	100	100	100
STAT213	200 STAT	200 STAT	200	200	200	200	100/200
300 STAT	300 STAT	300 STAT	300 STAT	300	300	200/300	200/300

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T 300- MATH rSTAT r r r i f r r i



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### Anthropology

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### Art History and Theory

A 75 i□ i□ Ar H□ r T r  
 (ARTH), i□ i□ 45 i□  
 200- r▶ .

### Chinese

A 75 i□ i□ C i□ (CHIN), i□  
 i□ 45 i□ 200- r▶ ,  
 i□ i□ 15 i□ i□  
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### History

A 75 i i H r (HIST)  
r i i 45 i  
200- r .

### Human Services

A 75 i i H S r i (HSRV),  
i i 45 i  
200- r .

### Japanese

A 75 i i J (JAPA), i  
i 45 i 200- r ,  
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Pr r C r i r.

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### Entrepreneurship

- 1 ACCT102, MGMT100, MKTG100;
- 2 MGMT223;
- 3 MGMT342, MGMT343

### Human Resource Management

- 1 MGMT100;
- 2 MGMT206, MGMT207;
- 3 MGMT303, MGMT308.

### Information Systems

- 1 INFO123;
- 2 INFO223 r INFO253;
- 3 Af r r 30 1 f l f r 1 S  
200- r ;
- 4. Af r r 15 1 f l f r 1 S  
300- .

### Innovation

- 1 INOV200
- 2 INOV201
- 3 INOV202 r MGMT223
- 4. INOV300 r MGMT342  
. Af r r 15 1 1 INOV 200 r  
300- .

### International Business

- 1 MGMT100, ECON104, MKTG100;
- 2 ECON222, MGMT221;
- 3 MGMT332.

### Marketing

- 1 MKTG100;
- 2 MKTG201, MKTG202, MKTG204;
- 3 Af r r 15 1 f M r 1 300- .

### Operations and Supply Chain Management

- 1 MGMT170;
- 2 MGMT270, MGMT271;
- 3 MGMT370;
- 4. 15 1 fr MGMT371 379.

### Taxation

- 1 ACCT102, ACCT103, ACCT152;
- 2 ACCT254;
- 3 ACCT358, ACCT359.

### Tourism and Marketing Management

- 1 MKTG100, MGMT100, STAT101;
- 2 MKTG205, MKTG240;
- 3 MKTG314

### Animation

- A 75 1 ,fr f 1 r :
- PROD142, DISC251, PROD241, PROD243, DISC213,  
DISC240, PROD341, PROD342, PROD343

### Cinematic Arts

- A 75 1 ,fr f 1 r :
- DISC102, DISC211, DISC212, DISC213, DISC210,  
TITO202, DISC311, CINE302.

### Game Arts

- A 75 1 ,fr f 1 r :
- PROD142, PROD121, PROD221, PROD241, PROD243,  
PROD222, PROD341, PROD342, PROD343.

### Game Development

- A 75 1 ,fr f 1 r :
- PROD121, PROD221, PROD224, PROD223,  
PROD222, PROD225, PROD321, PROD323.

### Indigenous Narrative

- A 75 1 , f 1 45 1
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### Youth and Community Leadership

A 75 i□ , i□ :

i□ 30 i□ fr : EDUC206, YAQL201, CULT202, EDUC204, INOV290, YAQL301, YAQL302, EDUC302, EDUC399.

i□ 45 i□ fr : CHCH101, COMS101, YAQL101, YAQL201.

### Health Education

A 75 i□ i□ H E i□ (HLED), i□ i□ 45 i□ 200- r▸ .

### Physical Activity

A 75 i□ , i□ 45 i□

200- r▸ fr f i□ r : HLED223, SPCO101, SPCO104, SPCO107, SPCO126, SPCO204, SPCO208, SPCO209, SPCO221, SPCO223, SPCO305, SPCO308, SPCO335, SPCO336.

N :i□ r i□ i□ i□ r

r fr i□ f i□ , SPCO104, SPCO204, SPCO209, SPCO335 SPCO336.

### Public Health

A 75 i□ , i□ 45 i□

200- r▸ fr f i□ r : HLTH111, HLTH213, HLTH214, GEOG325, HLED321, HLTH312, MKTG315.

Y i□ i□ f f

f i□ : ECON338, GEOG205, GEOG217, SOWK303.

### Society and Policy

A 75 i□ , i□ 45 i□

200- r▸ fr f i□ r : PHIL240, POLS206, POLS307, SOCI243, SOCI363, SPCO368, SOWK101.

### Professional and Community Engagement

i□ PACE225

i□ PACE295

i□ PACE395

i□. r15- i□ r

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### Performance Data Analysis

- i□ SPCO104 SPRT131
- i▣ T f r : SPCO201, SPCO204, SPCO209
- i▣▣ O f r : SPCO304, SPCO331

### Physical Activity and Wellbeing

- i□ SPCO104 SPCO107
- i▣ SPRT229
- i▣▣ O f : HLED223, HLTH201, SPCO209
- i□. SPRT322

### Sport Coaching

- i□ SPCO101
- i▣ O f : SPRT109, SPRT131
- i▣▣ SPCO201
- i□. O f : SPCO204, SPCO209, SPRT229
- . O f : SPCO301, SPCO302

### Sport Management

- i□ MGMT100 SPRT108
- i▣ SPCO224
- i▣▣ O f : MGMT206, MGMT207
- i□. SPCO301

### Te Ao Hākinakina

- i□ O f : TREO110 r SPCO126
- i▣ O f : HLTH106, MAOR107, MAOR108, SPCO126
- i▣▣ MAOR219
- i□. O f : MAOR282, SPCO208, SPRT203
- . SPCO310

### Sport Studies

- i□ T f r : SPCO101, PSOC104, SPCO105, SPCO110, SPCO208, SPCO320.
- i▣▣ T r f r : HLTH201, MKG201, SPCO201, YACL201, MKTG204, SPCO204, MGMT206, MGMT207, SPCO208, SPCO209, SPCO210, MAOR214, PSYC214, MAOR219, SPCO221, HLED223, SPCO224, SPCO226, MKTG240, SPCO241, SPCO242, MAOR270, MAOR282, SPCO301, SPCO302, SPCO304, SPCO305, SPCO310, MAOR317, SPCO320, GEOG325, SPCO331, SPCO332, SPCO336, SPCO341, SPCO343.

# Bachelor of Data Science and Business Analytics

SCIE101	MATH102	DATA101	COSC121	COSC122	100 MAJOR	100 MAJOR	100
DATA201	DATA202	DATA203	COSC201	200 MAJOR	200 MAJOR	200 MAJOR	
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SCIE101	MATH102	DATA101	COSC121	COSC122	100	100	100
DATA201	DATA203	STAT201/202	COSC262	PHIL240	COSC265	One from STAT211-299	100/200
DATA301	DATA303	STAT315	COSC367	STAT318	DATA309		200/300

r0 - r0 i0 i0 r i0 i0 r i0 i0 r i0 .

SCIE101	MATH102	DATA101	COSC121	COSC122	GISC101	Schedule for major	100*
DATA201	DATA203	STAT201/202	COSC262	PHIL240	HLTH213	HLTH214	200 HLTH/ GEOG
DATA301	DATA303	STAT315/318	HLTH312	GEOG325	DATA309		Schedule for major

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# Base functions for the asymptotic expansion



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ENVR101	STAT101	CHEM114/ CHEM111	BIOL112	GEOG106	SCIE101	100	100
ENVR209	ENVR210	BIOL209	BIOL274	BIOL275	SOIL203/WATR201/ GEOG201/BIOL213	BIOS201	100/200
ENVR302	ENVR303		PSYC341	BIOL309	30 points from: BIOL 332/336/371/375/377/378/383/384		200/300
ENVR415	ENVR411	ENVR480 Research project		30 points from: BIOL 420/423/424/425/ 426/427/428/ FORE447		400	400

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ENVR101	STAT101	CHEM114/111	BIOL112	GEOG106	SCIE101	ANTA102	100
ENVR209	ENVR210	BIOL209/ GEOG205/208	BIOL274	ANTA201	GEOG 201/215	BIOL275	100/200
ENVR302	ENVR303		PSYC341	45 points from: GEOG312/311/ BIOL377 / PHYS 330			200/300
ENVR415	ENVR411	ENVR480 Research project		GEOG412		BIOL427	400



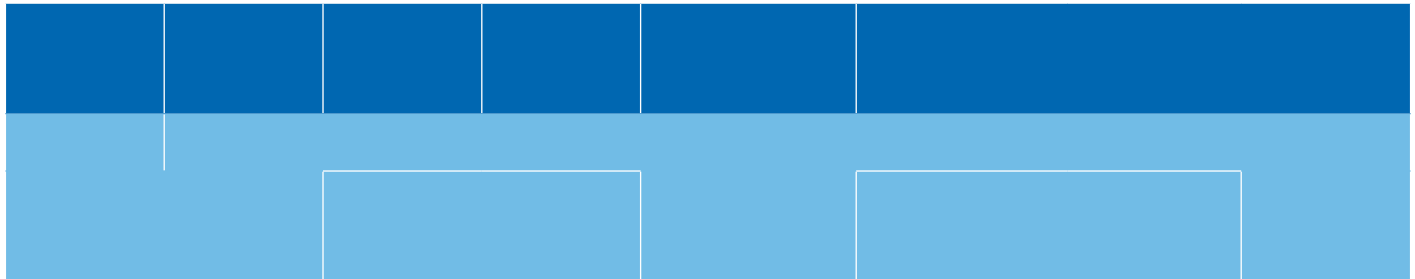




# Basic fee and a fee

STAT101	At least 1 of: HLTH106 MAOR165/172 TREO110/111	100*	100*	100*	100*	100*	100*
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\* : SPSC 133, SPSC 114, EDUC 102, LING 101, PSYC 105, PSYC 106 r i f A i r.  
 BSLP(H ), IO r f r.



# Base for Area Elective B

This is a list of courses that can be used to fulfill the requirements for the Area Elective B. The list includes course numbers and titles, and is organized into two columns. The first column lists courses that are 100-level, and the second column lists courses that are 200-level or higher. The courses are listed in alphabetical order by course number.

- Fr i P
- M i l i P r i
- N r i C i
- 

PSYC105	PSYC106	PSYC107	SPSC114	HLTH106/ MAOR108 /TREQ110	100 2nd minor or elective	100 Elective from any degree	100 Elective from any degree
PSYC206	PSYC207	PSYC208	PSYC213	PSYC215	200 Minor	200 2nd minor or elective	100/200 2nd minor or elective
PSYC375	PSYC377	PSYC379	300 Minor	300 Minor	300 Minor*	200/300 2nd minor or elective	200/300 2nd minor or elective

\*N f r i r, i r i 200- , i 300- i /2 i r r i i

PSYC105	PSYC106	PSYC107	SPSC114	HLTH106/ MAOR108 /TREQ110	100	100	100
PSYC206	PSYC207	PSYC208	PSYC213	PSYC215	PSYC216	SOCI222	100/200
PSYC375	PSYC377	PSYC379	PSYC330	PSYC376*	300	200/300	200/300





\*S r PSYC376 PSYC349.

PSYC105	PSYC106						

PSYC105	PSYC106	PSYC107	SPSC114	HLTH106/ MAOR108 /TREQ110	100	100	100
PSYC206	PSYC207	PSYC208	PSYC213	PSYC215	PSYC214	200	100/200
PSYC375	PSYC377	PSYC379	PSYC374	PSYC376*	PSYC380	200/300	200/300

\*S    r PSYC376   r,    PSYC376  PSYC349.

PSYC105	PSYC106	PSYC107	SPSC114	HLTH106/ MAOR108 /TREQ110	100	100	100
PSYC206	PSYC207	PSYC208	PSYC213	PSYC215	PSYC209	200	100/200
PSYC375	PSYC377	PSYC379	PSYC373	2 from: BIOL355/PSYC340/ PSYC381/PSYC382		200/300	200/300

\*P F f S   r   T 47 ((8)15 ( )-10.7 ( )-18.6 ( )-41.1 ( )-17.3 f S)-23.2 ( (3)18.5(00)28 ( )7.27( )-5.6 ( )-20 ( )-141(0) )--22.9 ( )2.9 ( )2.9 ( )2.9 ( )2.9 6.558(3)( )2.9

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**For 4-year conjoint degrees:** S 135  
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1. **The Conjoint Bachelor of Arts and Science (BA/BSc):** i i i r r i i  
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2. **The Conjoint Bachelor of Commerce and Science (BCom/BSc):** i i i i  
r r i i UCB i i S .

3. **The Conjoint Bachelor of Product Design and Science (BProdDesign/BSc):** i i i i  
r r i i F f E i i i .

**For 5-year conjoint degrees:** S 135  
i i r f i r  
r (675 i i ).

4. **The Conjoint Bachelor of Engineering with Honours and Data Science (BE(Hons)/BDataSc):** i i i i r r i i  
F f E i i r .

5. **The Conjoint Bachelor of Engineering with Honours and Science (BE(Hons)/BSc):** i i i  
i r r i i F f E i i r .

## Key points:

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BS i i r r UC,  
i f i i (BFA, BT L ).

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r .Y r 300- i

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r .

I need help with planning my degree.

Who do I go to?

First year: K i (S A i r f r

Y r S )

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Dr i : A i i i

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### Can I pass the year if I drop a paper?

BS students are required to complete 120 credit hours. If a student drops a paper, they must make up the credit hours. This can be done by taking additional papers or by taking a course for credit. However, dropping a paper may affect a student's progress and could result in not being able to graduate on time. Students should consult with their advisor or the Registrar's Office for more information.

### Can I study by distance?

Students can take courses by distance learning. This is available for many courses, including those in the College of Business. Distance learning courses are designed to be completed online and can be taken from anywhere. However, not all courses are available for distance learning, and students should check with their advisor to see if their desired courses are available.

### Can I study part time?

Students can study part time. This is a good option for students who are working or have other commitments. Part-time students can take 6-8 credit hours per semester and still complete their degree in a reasonable amount of time. However, part-time students may take longer to graduate than full-time students.

Students can also take courses for credit by exam. This is available for many courses, including those in the College of Business. Credit by exam allows students to demonstrate their knowledge of a course and receive credit without having to take the course. However, not all courses are available for credit by exam, and students should check with their advisor to see if their desired courses are available.

### Bachelor of Environmental Science with Honors:

- 8-credit hour requirement
- No more than 4 credit hours from 300-400-level courses

### Bachelor of Speech and Language Pathology with Honors:

- Total of 10 credit hours from 400-level courses
- Earn 48 credit hours

### What other support is available to me?

Students can access a variety of support services, including tutoring, writing centers, and career counseling. These services are available to all students and can help them succeed in their studies and careers. Students should contact their advisor or the relevant office for more information.

### Student Care:

Students can access a variety of support services, including tutoring, writing centers, and career counseling. These services are available to all students and can help them succeed in their studies and careers. Students should contact their advisor or the relevant office for more information.

### Student Accessibility Service:

Students can access a variety of support services, including tutoring, writing centers, and career counseling. These services are available to all students and can help them succeed in their studies and careers. Students should contact their advisor or the relevant office for more information.

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