

Department of Cell Biology  
**BSc HONOURS IN CELL BIOLOGY**  
 Program Planning Form

Student's Name: \_\_\_\_\_ ID#: \_\_\_\_\_ Email: \_\_\_\_\_

date: \_\_\_\_\_

**Honours Program**  
 (\*72 Science courses): \*15 (5 \*3 courses) min. 400-level; \*42 (14 \*3 courses) min 300-, 400-level  
*Additionally, the common requirements for a B.Sc. Major or Honours degree have to be met*

**YEAR 1 AND YEAR 2** **YEAR 3 AND YEAR 4**

	CELL 300 - Advanced Cell Biology I
BIOL 107 - Intro to Cell Biology	CELL 301 - Advanced Cell Biology II
CHEM 101 - Introductory Chemistry I	CELL 302 - Diversity of the Cell
CHEM 102 - Introductory Chemistry II	BIOCH 300- <b>OR</b> 400-level (BIOCH 320 rec)
MATH 134 - Calculus for the Life Sciences I	CELL 400-level (excluding CELL 498)
STAT 151 - Intro to Applied Statistics I	CELL 499A - Research Project, Part A
CHEM 261 - Organic Chemistry I	CELL 499B - Research Project, Part B
CHEM 263 - Organic Chemistry II	*3 from Group A (CELL 398 recommended)
CELL 201 - Intro to Cell Biology <b>OR</b> BIOL 201	*3 from Group A
BIOCH 200 - Intro to Biochemistry	*3 from Group A
BIOL 207 - Molecular Genetics and Heredity	*3 from Group A
GENET 270 - Foundation of Molecular Genetics	*3 minor or open option
MICRB 265 - General Microbiology	*3 minor or open option
*3 from Group A (IMIN 200 recommended)	*3 minor or open option
*3 junior ENGL or junior WRS (ENGL125 suggested, see Note 1)	*3 minor or open option
*3 junior ENGL or junior WRS	*3 minor or open option
*3 non-Science breadth option (see Note 2)	*3 minor or open option
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*3 minor or open option	*3 minor or open option
*3 minor or open option	*3 minor or open option
*3 minor or open option	*3 minor or open option

**NOTES**

**Ensure you take the courses listed under Year 1 and Year 2 in year 1 and 2 of your studies to avoid scheduling conflicts.**  
 1) ENGL125 fulfills ENGL and Indigenous learning requirements. If another approved indigenous option is taken, a second ENGL/WRS is required  
 2) To satisfy breadth from outside the faculty of Science, a minimum of \*6 units have to be taken, with at least \*3 units from two different areas (Applied Sciences, Business, Humanities/Arts or Social Sciences). See next page, or consult a science advisor: science.advisor@ualberta.ca  
 Qualifying courses can be found here: [https://calendar.ualberta.ca/preview\\_program.php?catoid=39&poiid=50420](https://calendar.ualberta.ca/preview_program.php?catoid=39&poiid=50420)

**Comments:**

  
  
  
  

Permission to enter/continue in Program:  **Accept**  **Decline**

Department Advisor's signature: \_\_\_\_\_ Date: \_\_\_\_\_

**GROUP A:**

*\*15 units from any course with the following course designators (with at least \*6 units at the 400-level and no more than \*6 units at the 200-*

ANAT	Any at 400 level
BIOCH	Any (BIOCH 320 recommended)
CELL	Any (CELL 398 recommended)
GENET	Any
IMIN	Any (IMIN 200 recommended)
MICRB	Any
MMI	Any at 300 and 400 level
NEURO	Any
ONCOL	Any
PHYSL	Any
PMCOL	Any

## Common requirements for Bsc Major and Honor degrees

The Bachelor of Science (Major and Honors) degree requires the successful completion of \*120 units including the following:

### 1. Communication/ writing at least \*6 units

ENGL (english)	any level
WRS (writing studies)	any level

### 2. Indigenous course at least \*3 units

ANTHR 256	DRAMA312	<b>ENGL125*</b>	HIST338	NS115	POL S 201	RSOC 460	
ANTHR 311	ECON 251	ENGL216	HIST368	NS161	POL S 327	WGS 280	* ENGL125 satisfies both requirement 1 (above) and 2
ANTHR474	ECON451	ENGL307	HIST369	NS 201	POL S 331	WGS 480	
ANTHR 477		ENGL308		NS280	POL S 436		
		ENGL309			POL S 437		

### 3. Breadth from Outside the Faculty of Science: at least \*6 units, with at least \*3 units from 2 different areas

some interdisciplinary courses qualify, see the Calendar for the latest list

Applied Sciences			Business	Humanities, Fine Arts, and Performing Arts				Social Sciences			
AFNS	KRLS	Engineering (note 3)	ACCTG	ASL	DES	HINDI	MLCS	RELIG	ANTHR	SOC (note 6)	
ANAT	NU FS	CH E	MAT E	B LAW	ARAB	DRAMA	HIST	MST	RUSS	CSL	STS
AN SC	NUTR	CIV E	MECE	BTM	ART	EASIA	HUNG	MUSIC	SCAND	ECON (note 4)	WGS
BIOEN	PL SC (note 2)	CM E	MINE	BUEC	C LIT	FS	ITAL	NORSE	SLAV	HGEO	
ENSC	REN R	EC E	PET E	FIN	CATS	FREN	JAPAN	NORW	SPAN	LING	
FOREC	RLS	ENG M		MARK	CHINA	FOLK	KOREA	PERS	SPRIT	NS	
HECOL	SPH	ENV E		OM	CHRTC	GERM	LA ST	PHIL	SWED	PLAN	
HE ED	SUST			SEM	CLASS	GREEK	LATIN	POLSH	T DES	POLS	
KIN (note 1)					DANCE	HADVC	MEAS	PORT	UKR	PSYCH (note 5)	
								WRITE			

(1) excluding KIN 100, KIN 101, KIN 109, and KIN 391

(2) excluding PL SC 221

(3) for courses offered by engineering, approval is needed from the course instructor and the faculty

(4) excluding ECON 299

(5) excluding PSYCH courses offered by the Faculty of Science

### 4. Breadth from within the Faculty of Science minimum of \*9 units with \*3 units from each area

This requirement is satisfied by mandatory courses in the Cell Biology Program (BIOL107, STAT151, GENET270)

### 5. Lab/ Field experience at least \*3 units

This requirement is satisfied by mandatory courses in the Cell Biology Program (BIOL107, CHEM101)

### 6. Science Courses

A minimum of \*72 units in Science courses

### 7. Senior Courses

Successful completion of \*78 units at the 200-level or higher, 36 units at 300-level or higher, no more than \*42 courses at 100-level

### 8. Double-counted courses

Some courses may be listed in the requirements for more than one Major/Minor/Honors subject area.

\* There is no limit on how many 100- and 200-level courses can be double-counted in a Major/Minor, Honors/Minor, or Double Major combination.

\* For a Major/Minor or Honors/Minor combination, 300- and 400-level courses **cannot** be double-counted, students must consult an Advisor for approved course substitutions.

\* For a Double Major, up to 6 units in 300- /400-level courses can be double-counted. Students must consult an Advisor for approved course substitutions.

## Contacts

Cell Biology Program-specific Questions:

**Cell Biology Student Advisor**

Dr. Rineke Steenbergen

[rineke@ualberta.ca](mailto:rineke@ualberta.ca)

General Science Program Questions, program transfers

**Student Services Office, Faculty of Science**

1-001 Centennial Centre for Interdisciplinary Science (CCIS)

[advisor.science@ualberta.ca](mailto:advisor.science@ualberta.ca)