

Student Name: \_\_\_\_\_

ID# \_\_\_\_\_

Advisor Name: \_\_\_\_\_

Anticipated Graduation Date: \_\_\_\_\_

## BIOLOGY HONOURS CHECKLIST (134 s.h.) BIOCHEMISTRY AND MOLECULAR BIOLOGY EMPHASIS 2011-12 Academic Calendar

THIS PROGRAM CHECKLIST IS INTENDED TO ASSIST STUDENTS AND ADVISORS IN ENSURING THAT ALL UNIVERSITY AND PROGRAM REQUIREMENTS ARE MET. IT IS THE RESPONSIBILITY OF THE **STUDENT** TO ENSURE THAT ALL REQUIREMENTS FOR THE DEGREE HAVE BEEN MET.

### 1. University Core Requirements (38 s.h.)\*<sup>†</sup>

\* University Core Requirements are modified for students who transfer in with 57 s.h. or more of credit.

<sup>†</sup> Students may "double-count" a cross-listed core requirements course once. See <http://www.twu.ca/advising/> for more details.

✓	COURSE	S.H.	NOTES	✓	COURSE	S.H.	NOTES
<input type="checkbox"/>	English Language Writing Competency Requirement <sup>1</sup>			<b>NATURAL SCIENCE (6)</b>			
<b>ENGLISH (6)</b>		Compulsory during first two semesters following completion of the English Language Writing Competency requirement				***	Included in program requirements.
<input type="checkbox"/>	ENGL 103	3	Students for whom English is a foreign language may substitute ENGL 101 for either ENGL 103 or ENGL 104.			***	
<input type="checkbox"/>	ENGL 104	3					
<b>ARTS, MEDIA + CULTURE (3)</b>				<b>PHILOSOPHY (3)</b>			
<input type="checkbox"/>	_____	3	May be chosen from Art, Music, Theatre, or Arts, Media + Culture courses. <sup>2</sup>	<input type="checkbox"/>	PHIL _____	3	
<b>HISTORY (3)</b>				<b>RELIGIOUS STUDIES (12)</b>			
<input type="checkbox"/>	HIST _____	3		<input type="checkbox"/>	RELS 101	3	Students may challenge the RELS 101 and/or 102 courses by writing an exam provided by the Religious Studies dept. <sup>4</sup>
<input type="checkbox"/>				<input type="checkbox"/>	RELS 102	3	
<b>HUMAN KINETICS (4)</b>				<input type="checkbox"/>	RELS _____	3	Biblical-content course (middle digit 0-5)
<input type="checkbox"/>	HKIN 190	2		<input type="checkbox"/>	_____	3	Christianity and Culture or Inter-Cultural Religious Studies Course <sup>5</sup>
<input type="checkbox"/>	HKIN _____	1	Activity course	<b>SOCIETY &amp; CULTURE (3)</b>			
<input type="checkbox"/>	HKIN _____	1	Activity course	<input type="checkbox"/>	_____	3	See footnote 6.
<b>INTERDISCIPLINARY STUDIES (3)</b>				<b>UNIVERSITY ORIENTATION (1)</b>			
<input type="checkbox"/>	NATS 487	2		<input type="checkbox"/>	UNIV 101	1	Fall or Spring semester of first year. <sup>7</sup>
<input type="checkbox"/>	NATS 490	1					

<sup>1</sup> Students must take WRTG 100 (native English speakers) or WRTG 101 (non-native English speakers) in their first semester at TWU, unless exempt when admitted to the University. WRTG course credit may be included toward a degree program as elective credit.

<sup>2</sup> May include three 1-s.h. large theatre and music ensembles, but not small ensembles or music lessons.

<sup>3</sup> A passing grade allows the student to replace RELS 101 and/or 102 with an alternative biblical-content course(s).

<sup>4</sup> RELS course with a middle digit 6-9 or PHIL 210 or PHIL 310. If PHIL 210/310 is chosen, this will NOT also fulfill the Philosophy requirement.

<sup>5</sup> Students may choose from Anthropology, Economics, Geography (excl. 121/131/320), Media + Communication, Modern Languages, Political Studies, Psychology, or Sociology.

<sup>6</sup> UNIV 101 is compulsory during the first semester of the first year for all new students unless they have minimum 27 s.h. initial transfer credit.

### 2. Required Biology Courses (36 s.h.)

✓	COURSE	S.H.	NOTES	✓	COURSE	S.H.	NOTES
<input type="checkbox"/>	BIOL 113	3	Or BIOL 103, 104 & 105 <sup>†</sup>	<input type="checkbox"/>	BIOL 372	3	
<input type="checkbox"/>	BIOL 114	3		<input type="checkbox"/>	BIOL 381	3	
<input type="checkbox"/>	BIOL 223	3		<input type="checkbox"/>	BIOL 384	3	
<input type="checkbox"/>	BIOL _____	3	Choose from BIOL 312, 314, 315, 316, or 318	<input type="checkbox"/>	BIOL 386	3	
<input type="checkbox"/>	BIOL _____	3	Choose from BIOL 308, 360, or 345	<input type="checkbox"/>	BIOL 409	1	
<input type="checkbox"/>	BIOL _____	3	Choose from BIOL 333 or 334	<input type="checkbox"/>	BIOL 410	2	
<input type="checkbox"/>	BIOL 371	3					

<sup>†</sup> Minimum grade of C required to progress to BIOL 223.

### 3. Required Biochemistry & Molecular Biology Courses (12 s.h.)

✓	COURSE	S.H.	NOTES	✓	COURSE	S.H.	NOTES
<input type="checkbox"/>	BIOL ____	3	Choose 4 courses from BIOL 333 or 334; 336, 423, 438, 470, 474.	<input type="checkbox"/>	BIOL ____	3	
<input type="checkbox"/>	BIOL ____	3		<input type="checkbox"/>	BIOL ____	3	

### 4. Ancillary Requirements (40 s.h.)

✓	COURSE	S.H.	NOTES	✓	COURSE	S.H.	NOTES
<input type="checkbox"/>	CHEM 111	3		<input type="checkbox"/>	CHEM 322	3	
<input type="checkbox"/>	CHEM 112	3		<input type="checkbox"/>	CHEM 357	2	
<input type="checkbox"/>	CHEM 221	3		<input type="checkbox"/>	CHEM 358	2	
<input type="checkbox"/>	CHEM 222	3		<input type="checkbox"/>	MATH 123	3	
<input type="checkbox"/>	CHEM 230	3		<input type="checkbox"/>	MATH 124	3	
<input type="checkbox"/>	CHEM 240	3		<input type="checkbox"/>	PHYS 111	3	
<input type="checkbox"/>	CHEM 321	3		<input type="checkbox"/>	PHYS 112	3	

### 5. Elective Courses (8 s.h.)

STUDENTS ARE ENCOURAGED, BUT NOT REQUIRED, TO TAKE ELECTIVE CLASSES THAT CONTRIBUTE TO A CONCENTRATION OR A MINOR. IF YOU CHOOSE TO TAKE A CONCENTRATION OR A MINOR PLEASE ATTACH THE APPROPRIATE CONCENTRATION/MINOR CHECKLIST AVAILABLE AT [WWW.TWU.CA/ADVISING](http://WWW.TWU.CA/ADVISING)

✓	SUBJECT	COURSE #	S.H.	NOTES	✓	SUBJECT	COURSE #	S.H.	NOTES
<input type="checkbox"/>	_____	_____	___		<input type="checkbox"/>	_____	_____	___	
<input type="checkbox"/>	_____	_____	___		<input type="checkbox"/>	_____	_____	___	
<input type="checkbox"/>	_____	_____	___		<input type="checkbox"/>	_____	_____	___	
<input type="checkbox"/>	_____	_____	___		<input type="checkbox"/>	_____	_____	___	
<input type="checkbox"/>	_____	_____	___		<input type="checkbox"/>	_____	_____	___	
<input type="checkbox"/>	_____	_____	___		<input type="checkbox"/>	_____	_____	___	
<input type="checkbox"/>	_____	_____	___		<input type="checkbox"/>	_____	_____	___	
<input type="checkbox"/>	_____	_____	___		<input type="checkbox"/>	_____	_____	___	
<input type="checkbox"/>	_____	_____	___		<input type="checkbox"/>	_____	_____	___	
<input type="checkbox"/>	_____	_____	___		<input type="checkbox"/>	_____	_____	___	
<input type="checkbox"/>	_____	_____	___		<input type="checkbox"/>	_____	_____	___	
<input type="checkbox"/>	_____	_____	___		<input type="checkbox"/>	_____	_____	___	

➤ NOTE: A total of 134 s.h. of credit, including a minimum of 54 s.h. (36 s.h. in the major) of upper-level credit is required for graduation. A minimum overall (cumulative) GPA of 2.70 is required for graduation, and a GPA of 3.0 in Biology.

➤ NOTE: In order to be eligible for Graduation you must complete an Application for Graduation via the Student Portal and submit a completed checklist to the Office of the Registrar by April 30 of the year prior to your completion (there is no fee to apply for graduation). Once your complete application has been received, a degree audit will be completed for you. This audit will confirm which courses are still outstanding in order for you to complete your degree.