

Student Name: \_\_\_\_\_ ID # \_\_\_\_\_

Advisor Name: \_\_\_\_\_ Anticipated Graduation Date: \_\_\_\_\_

## BIOLOGY MINOR/CONCENTRATION CHECKLIST (26/32 s.h.) 2026-27 Academic Calendar

### Minor

#### Course Requirements (26 s.h.)

✓	COURSE	S.H.	NOTES	✓	COURSE	S.H.	NOTES
	BIOL 113 <sup>a,b</sup>	4			BIOL _____	3	At least 9 s.h. must be at the 300- or 400-level.
	BIOL 114 <sup>a,b</sup>	4			BIOL _____	3	
	BIOL _____	3	Choose either BIOL 223 or 281		BIOL _____	3	
	BIOL _____	3			BIOL _____	3	

#### Ancillary Requirements (11 s.h.)

	CHEM 111	4	Or CHEM 103 <sup>c</sup>		CHEM 112	4	Or CHEM 104 <sup>c</sup>
	NATS 481	3	Required only if (a) this is a second minor within the Faculty of Natural and Applied Sciences, and (b) the student is not also completing a major or concentration within FNAS.				

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

<sup>b</sup> Includes a one semester-hour lab as a co-requisite. BIOL 198 is the co-requisite for BIOL 113; BIOL 199 is the co-requisite for BIOL 114.

<sup>c</sup> Includes a one semester-hour lab as a co-requisite. CHEM 198 is the co-requisite for CHEM 103 & 111, CHEM 199 is the co-requisite for CHEM 104 & 112.

### Concentration

#### Course Requirements (32 s.h.)

✓	COURSE	S.H.	NOTES	✓	COURSE	S.H.	NOTES
	BIOL 113 <sup>a,b</sup>	4			BIOL _____	3	At least 12 s.h. must be at the 300- or 400-level.
	BIOL 114 <sup>a,b</sup>	4			BIOL _____	3	
	BIOL _____	3	Choose either BIOL 223 or 281		BIOL _____	3	
	BIOL _____	3			BIOL _____	3	
	BIOL _____	3			BIOL _____	3	

#### Ancillary Requirements (11 s.h.)

	CHEM 111	4	Or CHEM 103 <sup>c</sup>		CHEM 112	4	Or CHEM 104 <sup>c</sup>
	NATS 481	3	Required only if the student is not also completing a major or another concentration within the Faculty of Natural and Applied Sciences, as that already requires NATS 481, 483, or 484.				

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

<sup>b</sup> Includes a one semester-hour lab as a co-requisite. BIOL 198 is the co-requisite for BIOL 113; BIOL 199 is the co-requisite for BIOL 114.

<sup>c</sup> Includes a one semester-hour lab as a co-requisite. CHEM 198 is the co-requisite for CHEM 103 & 111, CHEM 199 is the co-requisite for CHEM 104 & 112.

#### NOTES:

- Not including NATS 481, a total of 26 s.h., including a minimum of 9 s.h. of upper-level credit, is required to complete a Minor, and a total of 32 s.h. of credit, including a minimum of 12 s.h. of upper-level credit is required to complete a Concentration. Students must have a minimum overall (cumulative) GPA of 2.0.
- You must complete an [Application for Graduation](#) via the Student Portal and [submit a copy of your filled in program checklist\(s\)](#) (i.e. this document) to the Office of the Registrar by June 30 of the year prior to your completion. For more information on the graduation process, please visit [twu.ca/graduation](http://twu.ca/graduation).

THIS CHECKLIST IS INTENDED TO ASSIST STUDENTS AND ADVISORS IN ENSURING THAT ALL REQUIREMENTS ARE MET. IT IS THE RESPONSIBILITY OF THE **STUDENT** TO MEET ALL REQUIREMENTS.

# Concentration or Minor in *Biology* - 4 Year Plan

Stream	YEAR 1		YEAR 2		YEAR 3		YEAR 4		
	✓	s.h.	✓	s.h.	✓	s.h.	✓	s.h.	
		Fall		Fall		Fall		Fall	
<input type="checkbox"/> Concentration		4	BIOL 113		3	BIOL 223 or 281		3	BIOL <sup>1</sup>
		4	CHEM 111					3	BIOL <sup>1</sup>
	Semester Total: 8		Semester Total: 6		Semester Total: 6 / 3		Semester Total: 3		

  

Stream	YEAR 1		YEAR 2		YEAR 3		YEAR 4		
	✓	s.h.	✓	s.h.	✓	s.h.	✓	s.h.	
		Fall		Fall		Fall		Fall	
<input type="checkbox"/> Minor		4	BIOL 113		3	BIOL 223 or 281		3	BIOL <sup>2</sup>
		4	CHEM 111					3	BIOL <sup>2</sup>
	Semester Total: 8		Semester Total: 6		Semester Total: 6 / 3		Semester Total: 3		

Stream	YEAR 1		YEAR 2		YEAR 3		YEAR 4		
	✓	s.h.	✓	s.h.	✓	s.h.	✓	s.h.	
		Spring		Spring		Spring		Spring	
<input type="checkbox"/> Concentration		4	BIOL 114		3	BIOL <sup>1</sup>		3	BIOL <sup>1</sup>
		4	CHEM 112					3	BIOL <sup>1</sup>
	Semester Total: 8		Semester Total: 3		Semester Total: 3		Semester Total: 3		

  

Stream	YEAR 1		YEAR 2		YEAR 3		YEAR 4		
	✓	s.h.	✓	s.h.	✓	s.h.	✓	s.h.	
		Spring		Spring		Spring		Spring	
<input type="checkbox"/> Minor		4	BIOL 114		3	BIOL <sup>2</sup>		3	BIOL <sup>2</sup>
		4	CHEM 112					3	BIOL <sup>2</sup>
	Semester Total: 8		Semester Total: 3		Semester Total: 3		Semester Total: 3		

COURSE LEGEND	
	Core Courses
	Required Courses
	Required + Core Courses
	Ancillary Courses
	Ancillary + Core Courses
	Electives
<ol style="list-style-type: none"> <li>1. Choose any BIOL course. Note that at least 12 s.h. must be at the 300- or 400-level.</li> <li>2. Choose any BIOL course. Note that at least 9 s.h. must be at the 300- or 400-level.</li> </ol>	
<p><i>Summer Sessions are encouraged to reduce semester load</i></p>	

This is an example of what a 4-year degree plan might look like. It is not the official program checklist. In the case of any discrepancy between this program plan and the checklist, the checklist shall prevail. It is the student's responsibility to ensure they complete all program requirements as laid out in the approved checklist.