

Student Name: _____ ID # _____

Advisor Name: _____ Anticipated Graduation Date: _____

BIOTECHNOLOGY HONOURS CHECKLIST (134 s.h.) 2024-25 Academic Calendar

1. Inquiry: Ways of Knowing – Core Requirements (37 s.h.*)

**University Core Requirements are modified for students who transfer in with 57 s.h. or more of initial transfer credit. See [Academic Calendar](#) for details.*

✓	COURSE	S.H.	NOTES	✓	COURSE	S.H.	NOTES
FOUNDATIONAL INQUIRIES (25 sem. hrs.)				Academic Writing Requirement ¹			
<i>Academic Research & Writing</i>				WAYS OF KNOWING (12 sem. hrs.)			
	ENGL _____	3	Choose two of ENGL 101, 102, 103, 104.	In addition to the courses on the left, students must take an additional 12 sem. hrs. from each of the following categories, 9 s.h. of which must be from outside of the student's major.			
	ENGL _____	3					
<i>Foundations</i>				<i>Aesthetic & Performance Inquiry</i>			
	FNDN 101	1	Compulsory during the first semester of the first year for all new students unless they have a minimum 24 sem. hrs. initial transfer credit.			3	Choose 3 sem. hrs. from the Aesthetic & Performance Inquiry category below.
	FNDN 102	3	Normally taken before year three.	<i>Cultural & Linguistic Inquiry</i>			
	FNDN 201	3				3	Choose 3 sem. hrs. from the Cultural & Linguistic Inquiry category below.
<i>Logical & Ethical Reasoning</i>				<i>Experiential & Embodied Inquiry</i>			
	PHIL _____	3	Choose one of PHIL 100, 103, 105, 106, 109, or 210.		**	**	Satisfied by BIOL 409 & 410.
<i>Religious & Spiritual Thought</i>				<i>Historical & Archival Inquiry</i>			
	RELS _____	3	Choose RELS 110 or 160. Recommended in 1st semester of the 1st year.			3	Choose 3 sem. hrs. from the Historical & Archival Inquiry category below.
	RELS 111	3		<i>Quantitative & Computational Inquiry</i>			
	RELS 112	3			**	**	Satisfied by CHEM 112.
<i>Scientific Method & Lab Research</i>				<i>Social & Global Inquiry</i>			
	**	**	Satisfied by BIOL 113 or 114.			3	Choose 3 sem. hrs. from the Social & Global Inquiry category below.

¹**Academic Writing Requirement:** students must take WRTG 100 (native English speakers) or WRTG 101 (non-native English speakers) in their first semester at TWU, unless exempt at the time of admission to the University. WRTG course credit may be included toward a degree program as elective credit.

Ways of Knowing: Categories

Aesthetic & Performance Inquiry	ART 181, 182, 250; ENGL 207, 208, 310; HKIN 342; MCOM 211, 221, 231, 369; MUSI 110; PHIL 370; SAMC 111, 370; THTR 130, 161; any Music Ensembles; any Music (MUSA) Private Lessons.
Cultural & Linguistic Inquiry	ANTH 210, 395; EDUC 496; ENGL 334, 340, 482; GREE 235; HEBR 245; HIST 237; IDIS 201; POLS 237; RELS 235, 245; SOCI 395; any World Languages & Cultures course (CHIN, FREN, JAPA, RUSS, SPAN).
Historical & Archival Inquiry	ART 237, 238; ECON 306; GENV 312; HIST 107, 108, 135, 306, 339, 391; MUSI 131, 132; NURS 230; PHIL 203, 314, 421; POLS 391; PSYC 408; RELS 320, 351, 352, 475; SAMC 112; SOCI 391; THTR 331, 332.
Social & Global Inquiry	ANTH 101, 302; BUSI 311; ECON 311, 354; EDUC 345, 365; ENGL 348; GENV 111, 212, 322, 354; LING 101, 210, 302; MCOM 111, 171, 251, 313, 315, 317, 372, 491; NURS 227; PHIL 208, 220, 310, 320; POLS 101, 211, 310, 312, 320, 493; PSYC 399; RELS 271, 272, 285, 381, 384, 386, 476; SOCI 101; THTR 348.

2. Required Biology & Biotechnology Courses (59 s.h.)

✓	COURSE	S.H.	NOTES	✓	COURSE	S.H.	NOTES
	BIOL 113*	4	Includes a one s.h. lab (BIOL 198) as a co-requisite.		BIOL 372	3	
	BIOL 114*	4	Includes a one s.h. lab (BIOL 199) as a co-requisite.		BIOL 384	3	
	BIOL 223	3			BIOL 386	3	
	BIOT 290	3			BIOL _____	3	Choose from BIOL 433, 474, or 475.
	BIOL 315	3			BIOT 409/410	3	
	BIOL 333	3			BIOL 423	3	
	BIOL 334	3			BIOL 438	3	
	BIOL 336	3			BIOT 470	3	
	BIOL 345	3			BIOT 490	3	
	BIOL 371	3		*Minimum grade of C required to progress to BIOL 223.			

3. Required Internships (3 s.h.)

✓	COURSE	S.H.	NOTES	✓	COURSE	S.H.	NOTES
	BIOT 200	3					

4. Required Co-ops (must complete two) *BIOT 300/400 may substitute one of the required co-ops.*

✓	COURSE	S.H.	NOTES	✓	COURSE	S.H.	NOTES

5. Ancillary Courses (35 s.h.)

✓	COURSE	S.H.	NOTES	✓	COURSE	S.H.	NOTES
	CHEM 111*	4	Includes a one s.h. lab (CHEM 198) as a co-requisite.		MATH 123	3	
	CHEM 112*	4	Includes a one s.h. lab (CHEM 199) as a co-requisite.		MATH/STAT 203	3	
	CHEM 221	3			NATS 481	3	
	CHEM 222	3			PHYS 111	3	
	CHEM 357	3			PHYS 112	3	
	CHEM 358	3					

6. Elective Courses (0 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 twu.ca/advising.

✓	COURSE	S.H.	NOTES	✓	COURSE	S.H.	NOTES

NOTES:

- A total of 134 s.h. of credit, including a minimum of 54 s.h. of upper-level credit (36 s.h. in the major) is required to complete this degree. Students must have a minimum overall (cumulative) GPA of 3.0 to graduate, including a minimum GPA of 3.0 in all required courses for the major.
- 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 April 30 of the year prior to your completion. For more information on the graduation process, please visit twu.ca/graduation.

This program is offered under the written consent of the Minister of Advanced Education effective March 9, 2006, having undergone a quality assessment process and been found to meet the criteria established by the minister. Nevertheless, prospective students are responsible for satisfying themselves that the program and the degree will be appropriate to their needs (for example, acceptable to potential employers, professional licensing bodies, or other educational institutions).

		YEAR 1		YEAR 2		YEAR 3		YEAR 4		YEAR 5	
✓	s.h.	Fall		Fall		Fall		Fall		Fall	
	1	FNDN 101		3	FNDN 201	3	Core ²	3	Core ²	3	BIOL ³
	3	RELS 110 or 160		3	Core ²	3	BIOL 371	3	BIOL ³	3	BIOL ³
	3	ENGL ¹		3	BIOL 223	3	BIOL 384	3	BIOL ³	1	BIOL 409
	4	BIOL 113		3	CHEM 221	3	BIOL ³	3	CHEM 357	3	NATS 481
	4	CHEM 111		3	MATH 123	3	PHYS 111				
		Semester Total: 15		Semester Total: 15		Semester Total: 15		Semester Total: 12		Semester Total: 10	
		YEAR 1		YEAR 2		YEAR 3		YEAR 4		YEAR 5	
✓	s.h.	Spring		Spring		Spring		Spring		Spring	
	3	FNDN 102		3	Core ²	3	Core ²	3	BIOL ³	3	Core ²
	3	RELS 111 or 112		3	BIOL 290	3	BIOL 372	3	BIOL 470	3	BIOL ³
	3	ENGL ¹		3	BIOT 200	3	BIOL 386	3	CHEM 358	2	BIOL 410
	4	BIOL 114		3	CHEM 222	3	BIOL 423	3	Elective		
	4	CHEM 112		3	STAT 203	3	PHYS 112				
		Semester Total: 17		Semester Total: 15		Semester Total: 15		Semester Total: 12		Semester Total: 8	

COURSE LEGEND

Core Courses

- Choose from: ENGL 101, 102, 103, 104
- Core electives should be chosen as follows:
 - ONE Scientific Method & Lab Research
 - ONE Aesthetic and Performance Inquiry
 - ONE Historical & Archival Inquiry
 - ONE Quantitative & Computational Inquiry

Major Courses

- Choose a 300- or 400-level BIOL course

Major + Core Courses

Ancillary Courses

Ancillary + Core Courses

Electives

Summer Sessions are encouraged to reduce semester load and/or repeat courses

This is an example of what a 5-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.