Student Name:	ID #
Advisor Name:	Anticipated Graduation Date:

MULTIDISCIPLINARY MAJOR in BIOTECHNOLOGY and CHEMISTRY CHECKLIST (125 s.h.)

			2024-25 Aca	dem	ic Calendar		,					
	1. Inquiry: Ways of Knowing — Core Requirements (37 s.h.*)											
*Un	iversity Core Requir	s.H.	e modified for students who transfer in with 57 s.h. NOTES	or more	of initial transfer cre	edit. See ∠ S.H.	Academic Calendar for details. NOTES					
]	RIES (25 sem. hrs.)	<u>'</u>	Academic Writi							
	ademic Researc			\\\\	YS OF KNOWI							
700	ENGL	3	ming				ft, students must take an additional 12 sem. hrs. from					
	ENGL	3	Choose two of ENGL 101, 102, 103, 104.		of the following cate		s.h. of which must be from outside of the student's					
Fou	ındations	1 1		Aes	thetic & Perform	ance In	quiry					
	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.	Cul	tural & Linguistic	nquir,	y					
	FNDN 201	3				3	Choose 3 sem. hrs. from the Cultural & Linguistic Inquiry category below.					
Log	ical & Ethical R	Reasonin	g	Ехр	eriential & Emb	nquiry						
	PHIL	3	Choose one of PHIL 100, 103, 105, 106, 109, or 210.		**	**	Satisfied by BIOT 200.					
Rel	igious & Spiritu	ıal Thou	ght	Historical & Archival Inquiry								
	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		Quantitative & Computational Inquiry								
	RELS 112	3			**	**	Satisfied by CHEM 112.					
Sci	entific Method	& Lab R	esearch	Social & Global Inquiry								
	**	**	Satisfied by BIOL 113.			3	Choose 3 sem. hrs. from the Social & Global Inquiry category below.					
			students must take WRTG 100 (native English speak o the University. WRTG course credit may be include									
W	ays of Know	ing: C	ategories									
Aest	hetic & Performano	e Inquiry	ART 181, 182, 250; ENGL 207, 208, 310; HKIN any Music Ensembles; any Music (MUSA) Private			, 369; Ml	JSI 110; PHIL 370; SAMC 111, 370; THTR 130, 161;					
Cult	ural & Linguistic Inq	luiry	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).									
Histo	orical & Archival Inc	quiry	ART 237, 238; ECON 306; GENV 312; HIST 10 PSYC 408; RELS 320, 351, 352, 475; SAMC 11				1, 132; NURS 230; PHIL 203, 314, 421; POLS 391;					
Soci	al & Global Inquiry		ANTH 101, 302; BUSI 311; ECON 311, 354; ED 171, 251, 313, 315, 317, 372, 491; NURS 227; I 272, 285, 381, 384, 386, 476; SOCI 101; THTR	PHIL 20			212, 322, 354; LING 101, 210, 302; MCOM 111, 211, 310, 312, 320, 493; PSYC 399; RELS 271,					

	COURSE	COURSE S.H. NOTES			COURSE	S.H.	NOTES				
	BIOL 113*	4	Includes a one s.h. lab (BIOL 198) as a co-requisite.		BIOL 371	3					
	BIOL 114*	4	Includes a one s.h. lab (BIOL 199) as a co-requisite.		BIOL 372	3					
	BIOL 223	3			BIOL	3	Choose from BIOL 433, 474, or 475.				
	BIOL/BIOT 290	3			BIOL/BIOT 470	3					
	BIOL	3	Choose from: BIOL 333 or 334.		BIOL/BIOT 490	3					
	BIOL 336	3		*Minii	mum grade of C requ	ired to p	progress to BIOL 223.				
3.	Required Che	mistr	y 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.		CHEM 322	3					
	CHEM 112	4	Includes a one s.h. lab (CHEM 199) as a co-requisite.		CHEM 357	3					
	CHEM 221	3			CHEM 358	3					
	CHEM 222	3			CHEM 384	3					
	CHEM 230	3			CHEM 386	3					
	CHEM 321	3									
4.	Required Inter	rnshi	ps (3 s.h.)								
1											
	BIOL/BIOT 200	3	After year two.								
5.	Required Co-c	ps (r	must complete two) BIOL/BIOT 300 may sul	bstitute d	one of the required co	o-ops.					
✓	COURSE	S.H.	NOTES	✓	COURSE	S.H.	NOTES				
6.	Ancillary Cour	ses (15 s.h.)								
✓	COURSE	S.H.	NOTES	✓	COURSE	S.H.	NOTES				
	MATH 123	3			PHYS 111	3					
	MATH/STAT 203	3			PHYS 112	3					
	i .						1				
	NATS 481	3									
7.	NATS 481 Elective Cours) s.h.)								

NOTES:

- A total of 125 s.h. of credit, including a minimum of 42 s.h. of upper-level credit (24 s.h. in the major) is required to complete this degree. Students must have a minimum overall (cumulative) GPA of 2.5 to graduate, including a minimum GPA of 2.5 in all required courses for the major.
- You must complete an <u>Application for Graduation</u> via the Student Portal and <u>submit a copy of your filled in program checklist(s)</u> (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 <u>twu.ca/graduation</u>.

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
✓	s.h.	Fall		✓	s.h.	Fall	✓	s.h.	Fall	✓	s.h.	Fall
	1	FNDN 101			3	FNDN 201		3	Core ²		3	Core ²
	3	RELS 110 or 160	_		3	Core ²		3	BIOL 371		3	BIOL⁴
	3	ENGL ¹	_		3	BIOL 223		3	CHEM/BIOL 384		3	BIOL⁴
	4	BIOL 113 ²			3	CHEM 221		3	CHEM 322		3	CHEM 357
	4	CHEM 111 ³			3	MATH 123		3	PHYS 111		3	NATS 481
Si	emeste	er Total: 15		Se	emeste	r Total: 15 YEAR 2	S	emeste	r Total: 15	:	Semeste	er Total: 15
✓	s.h.	Spring		✓	s.h.	Spring	✓	s.h.	Spring	✓	s.h.	Spring
	3	FNDN 102			3	BIOL 290		3	BIOL 372		3	Core ²
	3	RELS 111	_		3	BIOT 200		3	BIOL 423 ⁵		3	Core ²
	3	ENGL ¹	_		3	CHEM 222		3	CHEM/BIOL 386		3	BIOL⁴
	4	BIOL 114 ³			3	CHEM 230		3	CHEM 321		3	BIOL 470
	4	CHEM 112 ³	_		3	STAT 203		3	PHYS 112		3	CHEM 358
		er Total: 17				r Total: 15			r Total: 15			er Total: 15

COURSE LEGEND

Core Courses

- 1. Choose from: ENGL 101, 102, 103, 104
- Core electives should be chosen as follows:
 ONE Aesthetic and Performance Inquiry
 ONE Cultural & Linguistic Inquiry
- ONE Historical & Archival Inquiry
 ONE Social & Global Inquiry

Major Courses

- 3. Includes co-requisite lab
- 4. Choose a 300- or 400-level BIOL course
- 5. Currently offered in the spring term of even years
- 6. Currently offered in the spring term of odd years

Major + Core Courses

3. Includes co-requisite lab

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 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.