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

# CHEMISTRY MAJOR: GENERAL PROGRAM CHECKLIST (122 s.h.) 2024-25 Academic Calendar

1. Inquiry: Ways of Knowing — Core Requirements (40 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					
FO	UNDATIONAL	INQUI	RIES (25 sem. hrs.)		Academic Writ	ing Requ	uirement <sup>1</sup>					
Aca	ademic Researc	h & Wi	riting	WA	YS OF KNOW	ING (1	5 sem. hrs.)					
	ENGL	3	Cl	In addition to the courses on the left, students must take an additional 15 sem. hrs. from								
	ENGL	3	Choose two of: ENGL 101, 102, 103, 104.	each of the following categories, 9 s.h. of which must be from outside of the student's major.								
Fou	ındations			Aes	thetic & Perform	nance 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.	Cui	tural & Linguisti	c Inquir	y					
	FNDN 201	3				3	Choose 3 sem. hrs. from the Cultural & Linguistic Inquiry category below.					
Log	iical & Ethical R	easonii	ng	Exp	eriential & Emb	odied I	nquiry					
	PHIL	3	Choose one of: PHIL 100, 103, 105, 106, 109, or 210.			3	Choose 3 sem. hrs. from the Experiential & Embodied Inquiry category below.					
Rel	igious & Spiritu	al Thou	ight .	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 8	& Lab R	Research	Social & Global Inquiry								
	**	**	Satisfied by CHEM 111.			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	Categories									
Aest	hetic & Performance	e Inquiry	ART 181, 182, 250; ENGL 207, 208, 310; HKIN any Music Ensembles; any Music (MUSA) Private			1, 369; M	USI 110; PHIL 370; SAMC 111, 370; THTR 130, 161;					
Cult	ural & Linguistic Inq	uiry	ANTH 210, 395; EDUC 496; ENGL 334, 340, any World Languages & Cultures course (CHIN)	40, 482; GREE 235; HEBR 245; HIST 237; IDIS 201; POLS 237; RELS 235, 245; SOCI 395; HIN, FREN, JAPA, RUSS, SPAN).								
Expe	eriential & Embodied	d Inquiry	ART 305, 306, 307; BIOL 316, 318, 362, 364, 409, 410; BIOT 200, 300, 400, 409, 410; BUSI 395, 396, 49x; CHEM 409, 410; CMPT 409, 410; EDUC 302, 303, 402, 403; GENV 131, 316, 318, 372, 373, 374, 375, 409, 410; HIST 310, 315, 316; HKIN 201, 202, 216, 235, 266, 336, 355, 455, 456, 457, 458, 459, 460; LING 398, 399; MATH 409, 410; MCOM 281, 391, 392, 393; NURS 213; POLS 395, 396; PSYC 322, 497, 498; SOCI 320, 411, 420; THTR 101, 102, 151, 152, 153, 154, 175, 210, 301, 302, 351, 352, 353, 354; any 1 sem. hr. HKIN Activity course; any Travel Study.									
Histo	orical & Archival Inq	uiry	ART 237, 238; ECON 306; GENV 312; HIST 10 PSYC 408; RELS 320, 351, 352, 475; SAMC 11	107, 108, 135, 306, 339, 391; MUSI 131, 132; NURS 230; PHIL 203, 314, 421; POLS 391; 112; SOCI 391; THTR 331, 332.								
Soci	al & Global Inquiry						, 212, 322, 354; LING 101, 210, 302; MCOM 111, 211, 310, 312, 320, 493; PSYC 399; RELS 271,					

272, 285, 381, 384, 386, 476; SOCI 101; THTR 348.

2.	2. Required Chemistry Courses (44 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	3							
	CHEM 112*	4	Includes a one s.h. lab (CHEM 199) as a co-requisite.		CHEM	3	Choose from: CHEM 321, 322, 341, 342, 358,						
	CHEM 221	3			CHEM	3	370, 384, 431, 432, 461, 469, 409/410 (409/410 would meet the Experiential &						
	CHEM 222	3			CHEM	3	Embodied Inquiry Requirements).						
	CHEM 230	3			CHEM	3							
	CHEM 240	3			CHEM	3							
	CHEM 357	3			CHEM	3							

\*CHEM 111/112 may be substituted with either CHEM 103/112 or CHEM 103/104.

# 3. Ancillary Courses (18 s.h.)

1	COURSE	S.H.	NOTES	1	COURSE	S.H.	NOTES
	MATH 123	3			NATS 482	3	
	MATH 124	3			PHYS 111	3	
		3	Choose MATH 223 or CMPT 140.		PHYS 112	3	

# 4. Elective Courses (20 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 <a href="https://www.tea.arthun.com/www.t

✓	COURSE	S.H.	NOTES	1	COURSE	S.H.	NOTES

### NOTES:

- A total of 122 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 2.0 to graduate.
- 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 TWU's exempt status with the Degree Quality Assessment Board.

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.

		YEAR 1			YEAR 2				YEAR 3				YEAR 4
✓	s.h.	Fall	✓	s.h.	Fall	~	Ś	.h.	Fall		✓	s.h.	Fall
	1	FNDN 101		3	RELS 111			3	Core <sup>2</sup>			3	Core <sup>2</sup>
	3	RELS 110 or 160		3	PHIL <sup>1</sup>			3	CHEM 432			3	CHEM 240 <sup>4</sup>
	3	ENGL 103		3	BIOL 2234			3	CHEM⁵			3	CHEM 3574
	4	CHEM 111 <sup>4</sup>		3	CHEM 221⁴			3	CHEM⁵	_		3	NATS 482
	4	BIOL 113⁴		3	PHYS 111 <sup>4</sup>			3	MATH 223 or CMPT 140			3	Elective
Semester Total: 15 YEAR 1			Semeste	er Total: 15 YEAR 2		Sem	este	r Total: 15		Se	emeste	er Total: 15 YEAR 4	
✓	s.h.	Spring	✓	s.h.	Spring	~	s	.h.	Spring		✓	s.h.	Spring
	3	FNDN 102		3	FNDN 201			3	RELS 112	_		3	Core <sup>2</sup>
	3	ENGL 104		3	CHEM 222⁴			3	Core <sup>2</sup>			3	Core <sup>3</sup>
	4	BIOL 1144		3	CHEM 230			3	CHEM 321			3	CHEM 3584
	4	CHEM 112 <sup>4</sup>		3	PHYS 112 <sup>4</sup>			3	CHEM <sup>6</sup>			3	CHEM 461
	3	MATH 123		3	MATH 124			3	CHEM <sup>6</sup>			3	Elective

#### **COURSE LEGEND**

#### **Core Courses**

- 1. Choose from: PHIL 100, 103, 105, 106, 109, or 210
- 2. Core electives should be chosen as follows:
- ONE Aesthetic and Performance Inquiry
- ONE Cultural & Linguistic Inquiry
- ONE Experiential & Embodied Inquiry
- ONE Historical & Archival Inquiry
- ONE Social & Global Inquiry
- 3. Or take CHEM 342.

#### **Major Courses**

- 4. Includes co-requisite lab
- Choose a combination of: CHEM 322 & 341; CHEM 341 & 384; or CHEM 322 & 384.
- Choose a combination of: CHEM 370 & 431; CHEM 321 & 370; or CHEM 431 & a Core elective.

## Major + Core Courses

4. Includes co-requisite lab

## Ancillary Courses

4. Includes co-requisite lab



## 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.

		YEAR 1			YEAR 2			YEAR 3			YEAR 4			YEAR 5	COURSE LEGEND	
✓	s.h.	Fall	✓	s.h.	Fall	✓	s.h.	Fall	✓	s.h.	Fall	✓	s.h.	Fall		
															Core Courses	
	1	FNDN 101		3	RELS 111		3	Core <sup>1</sup>		3	Core <sup>1</sup>		3	CHEM <sup>7</sup>	1. Core electives should be chosen as follows:	
	3	RELS 110 or 160		3	CHEM 221⁴		3	PHIL <sup>2</sup>		3	CHEM 240⁴		3	CHEM 432	ONE Aesthetic and Performance Inquiry ONE Cultural & Linguistic Inquiry ONE Historical & Archival Inquiry	
	3	ENGL 103		3	BIOL 2234		3	CHEM⁵		3	CHEM 357 <sup>4</sup>		3	MATH 223 or CMPT 140	ONE Social & Global Inquiry	
	4	CHEM 111⁴		3	MATH 123		3	PHYS 1114		3	NATS 482		3	Elective	2. Choose from: PHIL 100, 103, 105, 106, 109, or 210.	
		BIOL 113⁴													3. Or CHEM 342	
	4	BIOL 113*													Major Courses	
															4. Includes co-requisite lab	
S	Semester Total: 15		s	emeste	er Total: 12	Semester Total: 12 Seme			emeste	er Total: 12 Semester Total: 12				5. Choose CHEM 322 or 384.		
															6. Choose CHEM 370 or a Core elective.	
		YEAR 1			YEAR 2			YEAR 3			YEAR 4			YEAR 5	7. Choose CHEM 341 or 384.	
✓	s.h.	Spring	✓	s.h.	Spring	✓	s.h.	Spring	✓	s.h.	Spring	✓	s.h.	Fall	8. Choose CHEM 386 or 431.	
	_	FNDN 102			ENDNI 001		_	RELS 112			Core <sup>1,3</sup>				Major + Core Courses	
	3	FNDN 102		3	FNDN 201		3	RELS 112		3	Core <sup>1,0</sup>		3	Core <sup>1</sup>	4. Includes co-requisite lab	
	3	ENGL 104		3	CHEM 222 <sup>4</sup>		3	CHEM 321		3	CHEM 358 <sup>4</sup>		3	Core <sup>1</sup>	Ancillary Courses	
	4	CHEM 112⁴		3	CHEM 230		3	CHEM <sup>6</sup>		3	CHEM 461		3	CHEM8	4. Includes co-requisite lab	
	•				CHEM 200			OHEN:					3	СПЕМ	Ancillary + Core Courses	
	4	BIOL 114⁴		3	MATH 124		3	PHYS 112 <sup>4</sup>		3	Elective					
															Electives	
															Summer Sessions are encouraged to reduce	
															semester load and/or repeat courses.	
S	Semester Total: 14		S	emeste	er Total: 12	Se	emeste	er Total: 12	S	emeste	er Total: 12	S	Semest	er Total: 9		

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.