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

CHEMISTRY MAIOR: GRADUATE SCHOOL PREP PROGRAM CHECKLIST (122 s h)

·		XI /*I	2024-25 Aca				WI GITE GREEN (122 S.II.)				
		-	Knowing – Core Requireme			dit. See /	Academic Calendar for details.				
√	COURSE	S.H.	NOTES	✓	COURSE	S.H.	NOTES				
FO	JNDATIONAL	INQUII	RIES (25 sem. hrs.)		Academic Writi	ng Requ	uirement ¹				
Aca	demic Researci	h & Wr	iting	WA	YS OF KNOWI	NG (12	2 sem. hrs.)				
	ENGL	3	Choose two of: ENGL 101, 102, 103, 104.		of the following cate		oft, students must take an additional 12 sem. hrs. from P. s.h. of which must be from outside of the student's				
Fou	ndations	Ŭ			". thetic & Perform	ance In	auiry				
	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	Inquir	y				
	FNDN 201	3				3	Choose 3 sem. hrs. from the Cultural & Linguistic Inquiry category below.				
Log	ical & Ethical R	easonir	ng	Experiential & Embodied Inquiry							
	PHIL	3	Choose one of: PHIL 100, 103, 105, 106, 109, or 210.		**	**	Satisfied by CHEM 409 & 410.				
Reli	gious & Spiritu	al Thou	ght	His	torical & Archiva	l Inquii	7 /				
	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		Qua	antitative & Com	putatio	nal Inquiry				
	RELS 112	3			**	**	Satisfied by CHEM 112.				
Scie	entific Method &	& Lab R	Pesearch	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 to the University. WRTG course credit may be include								
Wa	ays of Knowi	ing: C	ategories								
Aest	netic & Performance	Inquiry	ART 181, 182, 250; ENGL 207, 208, 310; HKIN any Music Ensembles; any Music (MUSA) Private			, 369; MI	JSI 110; PHIL 370; SAMC 111, 370; THTR 130, 161;				
Cultu	ıral & Linguistic Inqu	uiry	ANTH 210, 395; EDUC 496; ENGL 334, 340, 4 any World Languages & Cultures course (CHIN,	482; GREE 235; HEBR 245; HIST 237; IDIS 201; POLS 237; RELS 235, 245; SOCI 395; I, FREN, JAPA, RUSS, SPAN).							
Histo	rical & Archival Inq	uiry	ART 237, 238; ECON 306; GENV 312; HIST 10 PSYC 408; RELS 320, 351, 352, 475; SAMC 11:	07, 108, 135, 306, 339, 391; MUSI 131, 132; NURS 230; PHIL 203, 314, 421; POLS 391; 12; SOCI 391; THTR 331, 332.							
Socia	al & Global Inquiry		ANTH 101, 302; BUSI 311; ECON 311, 354; EDI 171, 251, 313, 315, 317, 372, 491; NURS 227; F 272, 285, 381, 384, 386, 476; SOCI 101; THTR	HIL 20			, 212, 322, 354; LING 101, 210, 302; MCOM 111, 211, 310, 312, 320, 493; PSYC 399; RELS 271,				

2. Required Chemistry Courses (47 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 357	3						
	CHEM 112*	4	Includes a one s.h. lab (CHEM 199) as a co-requisite.		CHEM 358	3						
	CHEM 221	3			CHEM 384	3						
	CHEM 222	3			CHEM 409/410	3						
	CHEM 230	3			CHEM 431	3						
	CHEM 240	3			CHEM	3	Choose from CHEM 322, 342, 370, 432,					
	CHEM 321	3			CHEM	3	461, 469.					
	CHEM 341	3		*CHEM 111/112 may be substituted with either CHEM 103/112 or CHEM 103/104.								

3. Ancillary Courses (24 - 25 s.h.)

1	COURSE	S.H.	NOTES	✓	COURSE	S.H.	NOTES
	MATH 123	3			NATS 482	3	
	MATH 124	3			PHYS 111	3	
	MATH 223	3			PHYS 112	3	
		3	Choose from MATH 250, PHYS 220, or a 300- or 400-level MATH course.		PHYS 220 or 230	3	PHYS 220 may only be taken if MATH 250 or a 300- or 400-level MATH course is also taken.

4. Elective Courses (14 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.

V	COURSE	S.H.	NOTES	\	COURSE	S.H.	NOTES

Suggested elective: CMPT 140.

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 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 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		✓	s.h.	Fall		✓	s.h.	Fall
	1	FNDN 101			3	Core ¹			3	Core ¹			3	Core ¹
	3	RELS 110 or 160	_		3	PHIL ²	_		3	CHEM 322 ¹	-		3	CHEM 240
	3	ENGL 103	_		3	CHEM 221 ³	_		3	CHEM 341			3	CHEM 357
	4	CHEM 1113	_		3	PHYS 111 ³			3	CHEM 432			3	CHEM 384
	3	MATH 123	_		3	MATH 223	_		3	MATH 250			1	CHEM 40
													3	NATS 482
Semester Total: 14				Semester Total: 15				Se	emeste	er Total: 15	Semester Total: 16			
	YEAR 1					YEAR 2				YEAR 3				YEAR 4
✓	s.h.	Spring		✓	s.h.	Spring		✓	s.h.	Spring		✓	s.h.	Spring
	3	FNDN 102	_		3	FNDN 201	_		3	Core ¹			3	RELS 112
	3	RELS 111	_		3	CHEM 222 ³	_		3	CHEM 321	_		2	CHEM 410
	3	ENGL 104	_		3	CHEM 230	_		3	CHEM 370 ³	-		3	CHEM 342
	4	CHEM 112 ³			3	CHEM 461			3	CHEM 431 ³			3	CHEM 358
	3	MATH 124	_		3	PHYS 112 ³	_		3	PHYS 220 or 230			3	CHEM 38
											-		3	Elective
			ester Total: 16 Semester Total: 15											

COURSE LEGEND

Core Courses

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

Major Courses

3. Includes co-requisite lab

Major + Core Courses

3. Includes co-requisite lab

Ancillary Courses

3. 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				
	_	E) ID) 101			DI III 2			RELS			0 1				Core Courses			
	1	FNDN 101		3	PHIL ²		3	111 or 112		3	Core ¹		3	Core ¹	1. Core electives should be chosen as follows:			
	3	RELS 110 or 160		3	CHEM 221 ³		3	CHEM 322 ³		3	CHEM 240 ³		3	CHEM 384 ³	ONE Aesthetic and Performance Inquiry ONE Cultural & Linguistic Inquiry			
	3	ENGL 103		3	PHYS 1113		3	CHEM 341		3	CHEM 357 ³		1	CHEM 409	ONE Historical & Archival Inquiry ONE Social & Global Inquiry			
	4	CHEM 1113		3	MATH 223		3	CHEM 432		3	NATS 482		3	MATH 250	2. Choose from: PHIL 100, 103, 105, 106, 109, or 210			
	3	MATH 123											3	Elective	Major Courses			
															3. Includes co-requisite lab			
															Major + Core Courses			
S	Semester Total: 14		S	emeste	er Total: 12	S	Semester Total: 12 Semester Total					s	emeste	er Total: 13	3. Includes co-requisite lab			
															Ancillary Courses			
		YEAR 1			YEAR 2			YEAR 3			YEAR 4			YEAR 5	3. Includes co-requisite lab			
✓	s.h.	Spring	✓	s.h.	Spring	✓	s.h.	Spring	✓	s.h.	Spring	✓	s.h.	Fall	Ancillary + Core Courses			
	3	FNDN 102		3	FNDN 201		3	Core ¹		3	RELS 111 or 112		3	Core ¹	Electives			
	3	ENGL 104		3	CHEM 222 ³		3	CHEM 321		3	CHEM 342		3	CHEM 370 ³	Summer Sessions are encouraged to reduce semester load and/or repeat courses.			
	4	CHEM 112 ³		3	CHEM 230		3	CHEM 431 ³		3	CHEM 358 ³		3	CHEM 386 ³	semesier load and/or repear courses.			
	3	MATH 124		3	CHEM 461		3	PHYS 220 or 230		3	Elective		3	CHEM 411				
				3	PHYS 112 ³													
S	emeste	er Total: 13	S	Semeste	er Total: 15	S	emeste	er Total: 12	S	emeste	er Total: 12	S	emeste	er Total: 12				

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.