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

# **MATHEMATICS MAJOR PROGRAM CHECKLIST (122 s.h.)**

### 2023-2024 Academic Calendar

THIS CHECKLIST IS INTENDED TO ASSIST STUDENTS AND ADVISORS IN ENSURING THAT ALL REQUIREMENTS ARE MET. IT IS THE RESPONSIBILITY OF THE **STUDENT** TO ENSURE THAT ALL REQUIREMENTS FOR THE GRANTING OF A DEGREE HAVE BEEN MET.

# 1. Inquiry: Ways of Knowing - Core Requirements (43 s.h.\*)

\*I Injurisity Core Requirements are modified for students who transfer in with 57 s.h. or more of initial transfer credit. See Academic Calendar for details (twu ca/calendar

*Un	iversity Core Requ	irements	are modified for students who transfer in with 57 s.	h. or r	nore of initial transf	er credit.	See Academic Calendar for details (twu.ca/calendar)
✓	COURSE	S.H.	NOTES	✓	COURSE	S.H.	NOTES
FO	UNDATIONA	L INQ	UIRIES (28 sem. hrs.)		Academic Wr	iting Re	quirement <sup>2</sup>
Aca	ademic Reseal	rch & V	Vriting	W	AYS OF KNO	WING	(15 sem. hrs.)
	ENGL	3	Choose 2 courses (6 sem. hrs.) from ENGL				ne left, students must take an additional 18 sem.
	ENGL	3	101, 102, 103, 104.	sen	n. hrs. must be fro	m outside	e each of the following six categories. *At least 9 e of the student's major.
Fou	ındations			Aes	sthetic & Perfo	ormanc	e Inquiry
	FNDN 101	1	Compulsory during the first semester of the first year. <sup>1</sup>			3	Choose 3 sem. hrs. from the Aesthetic & Performance Inquiry category below.
	FNDN 102	3	Normally taken before year 3.	Cul	tural & Lingui	stic Inq	uiry
	FNDN 201	3				3	Choose 3 sem. hrs. from the Cultural & Linguistic Inquiry category below.
Log	gical & Ethical	Reaso	ning	Exp	eriential & En	nbodied	d Inquiry
	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 & Spiri	tual Th	ought	His	torical & Arch	ival Inq	uiry
	RELS 110	3	Compulsory during the first semester of the first year.			3	Choose 3 sem. hrs. from the Historical & Archival Inquiry category below.
	RELS 111	3		Qua	antitative & Co	omputa	tional Inquiry
	RELS 112	3		**	**	**	Satisfied by Program Requirements.
Sci	entific Method	l & Lab	Research	Soc	ial & Global II	nquiry	
		3	Choose one of BIOL 103, 104, 113/198, 114/199, 216, 241, 262; CHEM 101, 103/198, 111/198; GENV 109, 121, 262; GEOL 109; PHYS 111.			3	Choose 3 sem. hrs. from the Social & Global Inquiry category below.

<sup>&</sup>lt;sup>1</sup> FNDN 101 is compulsory during the first semester of the first year for all new students unless they have a minimum 24 sem. hrs. initial transfer credit.

#### **Aesthetic & Performance Inquiry**

Choose 3 semester hours from: 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 Lessons.

### **Cultural & Linguistic Inquiry**

Choose 3 semester hours from: 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).

#### **Experiential & Embodied Inquiry**

Choose 3 semester hours from: 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.

#### **Historical & Archival Inquiry**

Choose 3 semester hours from: 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

Choose 3 semester hours from: 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.

<sup>&</sup>lt;sup>2</sup> Academic Writing Requirement: students must take WRTG 100 (native English speakers) or WRTG 101 (non-native English speakers) in their first semester atTWU, unless exempt at the time of admission to the University. WRTG course credit may be included toward a degree program as elective credit.

#### 2. Required Mathematics Courses (42+ s.h.) nust be upper-level credit. The only 100-level MATH courses permitted are 123, 124, and 150. **NOTES** COURSE **NOTES COURSE** S.H.

MATH 123	3		MATH	 Choose from MATH 313 or 323
MATH 124	3		MATH	
MATH 150	3		MATH	
MATH 223	3		MATH	
MATH 250	3		MATH	
STAT 203	3		MATH	
MATH		Choose from MATH 311 or 321	MATH	

3. Ancillary Requirements (9 s.h.)

✓	COURSE	S.H.	NOTES	✓	COURSE	S.H.	NOTES
	CMPT 140	3			NATS 484	3	
	CMPT 166	3					

4. Elective Courses (28 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

✓	SUBJECT	COURSE#	S.H.	NOTES	✓	SUBJECT	COURSE#	S.H.	NOTES
								•	

- NOTE: A total of 122 s.h. of credit, including a minimum of 42 s.h. (24 s.h. in the major) of upper-level credit is required for graduation. A minimum overall (cumulative) GPA of 2.00 is required for graduation.
- NOTE: In order to be eligible for graduation you must complete an Application for Graduation via the Student Portal and submit a completed checklist to the Office of the Registrar by April 30 of the year prior to your completion (there is no fee to apply for graduation). Once your complete application has been received, a degree audit will be completed for you. This audit will confirm which courses are still outstanding in order for you to complete your degree.

		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	RELS 112		3	Core <sup>2</sup>
	3	RELS 110		3	Core <sup>2</sup>		3	Core <sup>2</sup>		3	MATH⁴
	3	ENGL <sup>1</sup>		3	PHIL <sup>3</sup>		3	MATH⁴		3	MATH⁴
	3	MATH 123		3	MATH 223		3	NATS 484		3	Elective
	3	MATH 150		3	MATH 250		3	Elective		3	Elective
	3	CMPT 140									
S	emeste	er Total: 16		Semeste	r Total: 15		Semeste	er Total: 15		Semeste	r Total: 15
S	emeste	er Total: 16 YEAR 1		Semeste	YEAR 2		Semeste	YEAR 3		Semeste	
s ✓	emeste s.h.		<b>✓</b>				Semeste		<b>✓</b>		YEAR 4
		YEAR 1	<b>✓</b>		YEAR 2	•		YEAR 3			YEAR 4
	s.h.	YEAR 1 Spring	<b>✓</b>	s.h.	YEAR 2 Spring	•	s.h.	YEAR 3 Spring		s.h.	YEAR 4 Spring
	s.h.	YEAR 1 Spring FNDN 102	✓ —	s.h.	YEAR 2 Spring RELS 111		s.h.	YEAR 3 Spring Core <sup>2</sup>		s.h.	YEAR 4 Spring MATH <sup>4</sup>
	s.h. 3	YEAR 1 Spring FNDN 102 ENGL <sup>1</sup>	✓ ————————————————————————————————————	s.h. 3	YEAR 2 Spring RELS 111 Core <sup>2</sup> MATH		s.h.	YEAR 3 Spring Core <sup>2</sup> Core <sup>2</sup> MATH		s.h.	YEAR 4 Spring MATH <sup>4</sup> Elective
	s.h. 3 3	YEAR 1 Spring FNDN 102 ENGL¹ MATH 124	✓ — — — — — — — — — — — — — — — — — — —	s.h. 3 3	YEAR 2 Spring RELS 111 Core <sup>2</sup> MATH 313 or 323		s.h. 3 3 3-4	YEAR 3  Spring  Core²  Core²  MATH 311 or 321		s.h. 3 3	YEAR 4 Spring MATH <sup>4</sup> Elective

**COURSE LEGEND** 

#### **Core Courses**

- 1. Choose from: ENGL 101, 102, 103, 104
- Core electives should be chosen as follows:
   ONE Scientific Method & Lab Research
   ONE Cultural & Linguistic Inquiry
   ONE Aesthetic & Performance Inquiry
   ONE Experiential & Embodied Inquiry
   ONE Historical & Archival Inquiry
   ONE Social & Global Inquiry
- 3. Choose from: PHIL 100, 103, 105, 106, 109, or 210.

#### Major Courses

 MATH electives can be chosen from: MATH 310, 320, 333, 340, 370, 381, 390, 420, 450.

## 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 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.