

Student Name: _____ ID # _____

Advisor Name: _____ Anticipated Graduation Date: _____

MATHEMATICS: DATA SCIENCE STREAM CHECKLIST (122 s.h.) 2024-25 Academic Calendar

1. Inquiry: Ways of Knowing – Core Requirements (43 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 (28 sem. hrs.)				Academic Writing Requirement ¹			
<i>Academic Research & Writing</i>				WAYS OF KNOWING (15 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 15 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 on page two.
	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 on page two.
<i>Logical & Ethical Reasoning</i>				<i>Experiential & Embodied Inquiry</i>			
	PHIL _____	3	Choose one of PHIL 100, 103, 105, 106, 109, or 210.			3	Choose 3 sem. hrs. from the Experiential & Embodied Inquiry category on page two.
<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 on page two.
	RELS 111	3		<i>Quantitative & Computational Inquiry</i>			
	RELS 112	3			**	**	Satisfied by MATH 123.
<i>Scientific Method & Lab Research</i>				<i>Social & Global Inquiry</i>			
		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 on page two.

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.

NOTES:

- 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 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.

April 2024

		YEAR 1
✓	s.h.	Fall
	1	FNDN 101
	3	RELS 110 or 160
	3	ENGL ¹
	3	MATH 123
	3	MATH 150
	3	CMPT 140
		Semester Total: 16

		YEAR 2
✓	s.h.	Fall
	3	FNDN 201
	3	PHIL ³
	3	MATH 223
	3	MATH 250
	3	CMPT 231
		Semester Total: 15

		YEAR 3
✓	s.h.	Fall
	3	RELS 112
	3	Core ²
	3	Core ²
	3	STAT 310
	3	CMPT 339
		Semester Total: 15

		YEAR 4
✓	s.h.	Fall
	3	Core ²
	3	MATH 381
	3	NATS 484
	3	Elective
	3	Elective
		Semester Total: 15

		YEAR 1
✓	s.h.	Spring
	3	FNDN 102
	3	ENGL ¹
	3	MATH 124
	3	STAT 203
	3	CMPT 166
		Semester Total: 15

		YEAR 2
✓	s.h.	Spring
	3	RELS 111
	3	Core ²
	3	MATH ⁴
	3	MATH ⁴
	3	MATH ⁴
	3	Elective
		Semester Total: 15

		YEAR 3
✓	s.h.	Spring
	3	Core ²
	3	MATH ⁴
	3	MATH 333
	3	CMPT 382
	3	Elective
		Semester Total: 15

		YEAR 4
✓	s.h.	Spring
	3	Core ²
	3	MATH ⁴
	3	Elective
	3	Elective
	3	Elective
	1	Elective
		Semester Total: 16

COURSE LEGEND

Core Courses

- 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
- Choose from: PHIL 100, 103, 105, 106, 109, or 210.

Major Courses

- Choose an upper-level MATH 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 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.