

Student Name: _____ ID # _____

Advisor Name: _____ Anticipated Graduation Date: _____

MATHEMATICS MINOR/CONCENTRATION CHECKLIST (24/30 s.h.)

2024-25 Academic Calendar

Minor: Course Requirements (24 s.h.)

| ✓ | COURSE | S.H. | NOTES | ✓ | COURSE | S.H. | NOTES |
|---|----------|------|--|---|------------|------|-----------------------------------|
| | MATH 123 | 3 | | | MATH 250 | 3 | |
| | MATH 124 | 3 | | | MATH _____ | 3 | Must be at the 300- or 400-level. |
| | MATH 223 | 3 | | | MATH _____ | 3 | |
| | _____ | 3 | Choose from CMPT 140, MATH 150, or STAT 203. | | MATH _____ | 3 | |

Minor: Ancillary Requirements (3 s.h.)

| ✓ | COURSE | S.H. | NOTES |
|---|----------|------|--|
| | NATS 484 | 3 | Required only if (a) this is a second minor within the Faculty of Natural and Applied Sciences, and (b) the student is not also completing a major or concentration within FNAS. |

Concentration: Course Requirements (30 s.h.)

| ✓ | COURSE | S.H. | NOTES | ✓ | COURSE | S.H. | NOTES |
|---|----------|------|-----------------------------------|---|------------|------|-----------------------------------|
| | MATH 123 | 3 | | | MATH 250 | 3 | |
| | MATH 124 | 3 | | | MATH _____ | 3 | Must be at the 300- or 400-level. |
| | MATH 150 | 3 | | | MATH _____ | 3 | |
| | MATH 223 | 3 | | | MATH _____ | 3 | |
| | _____ | 3 | Choose from CMPT 140 or STAT 203. | | MATH _____ | 3 | |

Concentration: Ancillary Requirements (3 s.h.)

| ✓ | COURSE | S.H. | NOTES |
|---|----------|------|--|
| | NATS 484 | 3 | Required only if the student is not also completing a major or another concentration within the Faculty of Natural and Applied Sciences, as that already requires NATS 481, 483, or 483. |

NOTES:

- The only 100-level MATH courses permitted are: 123, 124, and 150.
- Not including NATS 484, a total of 24 s.h., including a minimum of 9 s.h. of upper-level credit is required to complete a Minor, and a total of 30 s.h. including a minimum of 12 s.h. of upper-level credit is required to complete a Concentration. Students must have a minimum overall (cumulative) GPA of 2.0.
- 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 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 2025

| YEAR 1 | | | YEAR 2 | | | YEAR 3 | | | YEAR 4 | | |
|-------------------|------|----------|-------------------|------|----------|-------------------|------|----------|-------------------|------|-------------------|
| ✓ | s.h. | Fall | ✓ | s.h. | Fall | ✓ | s.h. | Fall | ✓ | s.h. | Fall |
| | 3 | MATH 123 | | 3 | MATH 250 | | 3 | MATH 223 | | 3 | MATH ² |
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| Semester Total: 3 | | | Semester Total: 3 | | | Semester Total: 3 | | | Semester Total: 3 | | |

| YEAR 1 | | | YEAR 2 | | | YEAR 3 | | | YEAR 4 | | |
|-------------------|------|----------|-------------------|------|-------------------|-------------------|------|-------------------|-------------------|------|-------------------|
| ✓ | s.h. | Spring | ✓ | s.h. | Spring | ✓ | s.h. | Spring | ✓ | s.h. | Spring |
| | 3 | MATH 124 | | 3 | MATH ¹ | | 3 | MATH ² | | 3 | MATH ² |
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| Semester Total: 3 | | | Semester Total: 3 | | | Semester Total: 3 | | | Semester Total: 3 | | |

| COURSE LEGEND | |
|--|--------------------------|
| <div></div> | Core Courses |
| <div></div> | Required Courses |
| 1. Choose from: MATH 150, CMPT 140, STAT 203. | |
| <div></div> | Required + Core Courses |
| <div></div> | Ancillary Courses |
| <div></div> | Ancillary + Core Courses |
| <div></div> | Electives |
| 2. Choose from: MATH 310, 311, 313, 320, 330, 333, 340, 370, 381, 390, 420, 450. | |

Summer Sessions are encouraged, to reduce workload and/or retake 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 | | |
|-------------------|------|----------|-------------------|------|----------|-------------------|------|----------|-------------------|------|-------------------|
| ✓ | s.h. | Fall | ✓ | s.h. | Fall | ✓ | s.h. | Fall | ✓ | s.h. | Fall |
| | 3 | MATH 123 | | 3 | MATH 223 | | 3 | MATH 150 | | 3 | MATH ¹ |
| | | | | 3 | MATH 250 | | | | | | |
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| Semester Total: 3 | | | Semester Total: 6 | | | Semester Total: 3 | | | Semester Total: 3 | | |

| YEAR 1 | | | YEAR 2 | | | YEAR 3 | | | YEAR 4 | | |
|-------------------|------|----------|-------------------|------|-------------------------|-------------------|------|-------------------|-------------------|------|-------------------|
| ✓ | s.h. | Spring | ✓ | s.h. | Spring | ✓ | s.h. | Spring | ✓ | s.h. | Spring |
| | 3 | MATH 124 | | 3 | STAT 203 or CMPT 140 | | 3 | MATH ¹ | | 3 | MATH ¹ |
| | | | | | | | | | | 3 | MATH ¹ |
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| Semester Total: 3 | | | Semester Total: 3 | | | Semester Total: 3 | | | Semester Total: 6 | | |

COURSE LEGEND

Core Courses

Required Courses

Required + Core Courses

Ancillary Courses

Ancillary + Core Courses

Electives

1. Choose from: MATH 310, 311, 313, 320, 330, 333, 340, 370, 381, 390, 420, 450.

Summer Sessions are encouraged, to reduce workload and/or retake 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.