

MATHEMATICAL SCIENCES MAJOR

Program Tracking Sheet

Effective for students entering AY 2024-2025

Name:	Class Year:
Advisor:	2 nd Major:

NOTES: Minimum total academic credit = 15 units

Residency Req.: Min. of 8 units must be completed at WPI

HUMANITIES AND ARTS (2 units)

All 5 HUA courses must be completed before beginning the Inquiry Seminar or Practicum.

Depth Component
Students must complete at least three thematically-related courses prior to the culminating Inquiry Seminar or Practicum in the same thematic area. At least one of the three courses should be at the 2000-level or above.

	Course	Term	Grade	Units
1				1/3
2				1/3
3				1/3
4	HU 3900 or HU 3910			1/3

Breadth Component
Students must take at least one course outside the grouping in which they complete their depth component. To identify breadth, courses are grouped in the following manner.

- i. art/art history, drama/theatre, and music (AR, EN/TH, MU);
- ii. foreign languages (AB, CN, EN, GN, SP);
- iii. literature and writing rhetoric (EN, WR, RH);
- iv. history and international studies (HI, HU, INTL);
- v. philosophy and religion (PY, RE).

Exception: May take all six courses in a foreign language

				1/3
Humanities Elective				
6				1/3

WELLNESS AND PHYSICAL EDUCATION (4 WPE classes = 1/3 unit)

				1/12
7				1/12
				1/12
				1/12
				1/12

SOCIAL SCIENCE (2/3 units) ECON, ENV, GOV, PSY, SD, SOC, SS, STS and ID2050

				1/3
8				1/3
9				1/3

THE INTERACTIVE QUALIFYING PROJECT (1 unit)

				1/3
10				1/3
11				1/3
12				1/3

FREE ELECTIVES (1 unit)

				1/3
13				1/3
14				1/3
15				1/3

MATHEMATICS (22/3 units)

May not include both MA 2631 and MA 2621.

May not include both MA 2071 and MA 2072.

At least 7/3 units must consist of MA courses at the 3000 level or above.

TRANSITION COURSES (4/3 units)

Must include at least four of the following: MA 1033 or MA 1971 (one only), MA 2073, MA 2211, MA 2251, MA 2271*, MA 2273*, MA 2431, MA 2631, MA 3631, or their equivalents (MA 2621 cannot be counted as a transition course)

				1/3
16				1/3
17				1/3
18				1/3
19				1/3

CORE COURSES (4/3 units)

	MA 3831			1/3
20				1/3
21	MA 3832			1/3
22	MA 3257 or MA 3457			1/3
23	MA 3823* or MA 3825*			1/3

ADDITIONAL COURSES AT 3000 LEVEL OR HIGHER (1 unit)

				1/3
24				1/3
25				1/3
26				1/3

INTRODUCTORY AND OTHER MATH COURSES (8/3 units)

				1/3
27				1/3
28				1/3
29				1/3
30				1/3
31				1/3
32				1/3
33				1/3
34				1/3

MAJOR QUALIFYING PROJECT (1 unit)

				1/3
35				1/3
36				1/3
37				1/3

MATHEMATICAL PROGRAM - RELATED COURSES (2 units)

Courses from other departments that are related to the student's mathematical program. At least 2/3 units of science must be included. At least 2/3 unit in computer science or data science must be included; the remaining courses are to be selected from science, engineering, computer science or business (except FIN 1250). Science courses may be chosen from the following disciplines: BB, CH, ES, GE, PH. CS/DS courses may include only one of DS 1010, CS 2022 and CS 3043.

	SCI			1/3
38				1/3
39	SCI			1/3
40	CS or DS			1/3
41	CS or DS			1/3
42				1/3
43				1/3

ADDITIONAL COURSES (2/3 units)

Additional courses or independent studies (except AS, MS, WPE courses, and other degree requirements) from any area.

				1/3
44				1/3
45				1/3

*Category II classes. Only offered every other year.