

# MATHEMATICAL SCIENCES MAJOR

## Program Tracking Sheet

Effective for students entering AY 2025-2026

Name:	Class Year:
Advisor:	2 <sup>nd</sup> 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. The Humanities and Arts Department will accept a maximum of 1/3 unit of AP credit towards the Humanities and Arts requirement.

<b>Depth Component</b>				
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
<b>Breadth Component</b>				
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, TH, MU);				
ii. modern languages (AB, CN, ISE, GN, SP);				
iii. literature and writing rhetoric (EN, WR);				
iv. history, humanities, and international and global studies (HI, HU, INTL);				
v. philosophy and religion (PY, RE).				
Exception: May take all six courses in a modern language.				
5				1/3
<b>Humanities Elective</b>				
6				1/3

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

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

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

8				1/3
9				1/3

### **THE INTERACTIVE QUALIFYING PROJECT (1 unit)**

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

### **FREE ELECTIVES (1 unit)**

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)

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

### **CORE COURSES (4/3 units)**

20	MA 3831			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)**

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

### **INTRODUCTORY AND OTHER MATH COURSES (8/3 units)**

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)**

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.

38	SCI			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.

44				1/3
45				1/3

\*Category II classes. Only offered every other year.



# WPI

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## 4-year Plan Template

Name:	Class Year:
Advisor(s):	Major(s)/Minor(s):

Year 1					
	A-term	B-term	C-term	D-term	E-term (optional)
Course 1					
Course 2					
Course 3					
Course 4 (optional)					

Notes:

Year 2					
	A-term	B-term	C-term	D-term	E-term (optional)
Course 1					
Course 2					
Course 3					
Course 4 (optional)					

Notes:

Year 3					
	A-term	B-term	C-term	D-term	E-term (optional)
Course 1					
Course 2					
Course 3					
Course 4 (optional)					

Notes:

Year 4					
	A-term	B-term	C-term	D-term	E-term (optional)
Course 1					
Course 2					
Course 3					
Course 4 (optional)					

Notes: