

**MATHEMATICAL SCIENCES MAJOR**  
**Program Tracking Sheet Based on AY 2015-16 Degree Requirements and Course Offerings**

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 REQUIREMENT (2 units)**

**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 (SP, GN, AB, CN);
- iii. literature and writing rhetoric (EN, WR, RH);
- iv. history and international studies (HI, HU);
- v. philosophy and religion (PY, RE).

Exception: May take all six courses in a foreign language

5				1/3
<b>Humanities Elective</b>				
6				1/3

**PHYSICAL EDUCATION (4 PE classes = 1/3 unit)**

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

**SOCIAL SCIENCE (2/3 unit) 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 (7 units)**

May not include both MA 2631 and MA 2621.

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

**TRANSITION COURSES (3/3 unit)**

Must include at least three of the following: MA 2073, MA 2271\*, MA 2273\*, MA 2431, MA 2631, or their equivalents

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

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

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

**ADDITIONAL COURSES AT 3000 LEVEL OR HIGHER (1 unit)**

23				1/3
24				1/3
25				1/3

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

26				1/3
27				1/3
28				1/3
29				1/3
30				1/3
31				1/3
32				1/3
33				1/3

**MAJOR QUALIFYING PROJECT (3/3 unit)**

34				1/3
35				1/3
36				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 must be included; the remaining courses are to be selected from science, engineering, computer science or management (except FIN 1250). Science courses may be chosen from the following disciplines: BB, CH, ES, GE, PH. CS courses may not include both CS 3043 and CS 2022.

37	SCI			1/3
38	SCI			1/3
39	CS			1/3
40	CS			1/3
41				1/3
42				1/3

**ADDITIONAL COURSES (1 units)**

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

43				1/3
44				1/3
45				1/3

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