

**ACTUARIAL MATHEMATICS MAJOR**  
**Program Tracking Sheet Based on AY 2017-18 Degree Requirements and Course Offerings**

Name:	Class Year:
Advisor:	2 <sup>nd</sup> Major:

**NOTES:** Minimum total academic credit = 15 units  
 Residency Req.: At least 8 units must be completed at WPI

**HUMANITIES AND ARTS REQUIREMENT (2 units)**

All 5 HUA courses must be completed before beginning the Inquiry Seminar or Practicum. Only 1 AP credit can be applied to the HUA 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, 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				
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. ECON 1110 and ECON 1120 are recommended.

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 include independent studies directed towards Society of Actuaries exams only if the material was not previously covered in a WPI course. May not include both MA 2631 and MA 2621.

**TRANSITION COURSES (2/3 unit)**

Must include two of the following: MA 2073, 2271, 2273, 2431, 2631, or their equivalents

16				1/3
17				1/3

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

18	MA 3831			1/3
19	MA 3832			1/3
20	MA 3257 or MA 3457			1/3
21	MA 3631 or MA 4632			1/3

**ACTUARIAL COURSES (4/3 unit)**

Must include four of the following: MA 2212, MA 3213, MA 3212, MA 4213, MA 4214, MA 4892 or their equivalents

	Course	Term	Grade	Units
22				1/3
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

**BASIC SCIENCE (2/3 units)**

Courses with the prefix: BB, CH, ES, GE, or PH

37				1/3
38				1/3

**COMPUTER SCIENCE (2/3 unit)**

39				1/3
40				1/3

**BUSINESS (4/3 unit)**

Business courses must be chosen from courses with any of the following prefixes: ACC, BUS, or FIN. BUS 2060, BUS 2070, and FIN 2260 are recommended.

41				1/3
42				1/3
43				1/3
44				1/3

**ADDITIONAL COURSES OR INDEPENDENT STUDIES (1/3 units)**

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

45				1/3
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**ACTUARIAL SEMINAR (0 units)**

The actuarial seminar is a graduation requirement. Students must complete this seminar in at least four terms while at WPI. Please consult with the actuarial faculty for more details about this requirement.

	MA 4216			0/3
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Students interested in pursuing a degree in Actuarial Mathematics should contact Professor Abraham, the Coordinator of the Actuarial Mathematics Program, as soon as possible.