ACTUARIAL MATHEMATICS MAJOR
Program Tracking Sheet
Effective for students entering AY 2023-2024

Name:	Class Year:
Advisor:	2nd Major:

NOTES: Minimum total academic credit = 15 units
Residency Req.: At least 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. Only 1 AP credit can be applied to the HUA requirement.

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

5				1/3

Humanities Elective

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. 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 (22/3 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 (1 unit)
Must include at least three of the following: MA 1033 or MA 1971 (one only), MA 2073, MA 2211, MA 2251, MA 2271*, MA 2273*, MA 2431, MA 2631, or their equivalents (MA 2621 cannot be counted as a transition course)

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 3631			1/3

ACTUARIAL COURSES (4/3 units)
Must include MA 3212 and three of the following: MA 2212, MA 3213, MA 321X, MA 322X, MA 4213, MA 4214, MA 4892 or their equivalents

	Course	Term	Grade	Units
23	MA 3212			1/3
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

BASIC SCIENCE (2/3 units)
Courses with prefix: BB, CH, ES, GE, or PH

38			1/3
39			1/3

COMPUTER SCIENCE OR DATA SCIENCE (2/3 units)
Can contain only one of DS 1010, CS 2022, and CS 3403

40			1/3
41			1/3

BUSINESS (4/3 units)
Business courses must be chosen from courses with any of the following prefixes: ACC, BUS, or FIN. ACC 2060, FIN 2070, and FIN 3300 are recommended. May not include FIN 1250.

42			1/3
43			1/3
44			1/3
45			1/3

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.

*Category II classes. Only offered every other year.