Sample 4-Year Plan (Fall 2021 Requirements)
Mathematics, Actuarial Science Emphasis
Bachelor of Science, COLLEGE OF LETTERS AND SCIENCES

The 4-year Plan **illustrates the type of curriculum a new freshman** would take to complete a degree in 4 years; it is not an official document. Refer to Academic Advising Report for full requirements. Sample Academic Advising Reports are available on-line at http://www.uww.edu/registrar/sample-aars-and-ars/sample-aars-undergraduate.

1st Semester	Units	2nd Semester	Units
MATH 253 Calculus & Analytic Geometry I	**5**	**MATH 200 Mathematics: Form and Function**	**1**
ENGLISH 101 Freshman English	3	**MATH 254 Calculus & Analytic Geometry II**	**4**
Lab Science	4-5	**MATH 355 Matrices & Linear Algebra**	**3**
CORE	3	ENGLISH 102 Freshman English	3
INTRAUNV 104 New Student Seminar (Recommended)	1	CORE	3
		PEGNRL 192 Personal Health & Fitness	1
Semester Total	16-17	Semester Total	15
3rd Semester	**Units**	**4th Semester**	**Units**
MATH 255 Calculus & Analytic Geometry III	**4**	**MATH 301 Introduction to Analysis**	**3**
MATH 280 Discrete Mathematics	**3**	**MATH 346 Theory of Interest**	**3**
COMPSCI 170, 172, 174, 220, or 222 Programming OR COMPSCI 347 Scientific Computing	3	**STAT 263 Introduction to R**	**1**
CORE	3	Lab Science for BS	4-5
Minor Course	3	Minor Course	3
Semester Total	16	Semester Total	14-15
5th Semester	**Units**	**6th Semester**	**Units**
MATH 343 Applied Probability Theory	**3**	**MATH 442 Mathematical Statistics**	**4**
STAT 342 Applied Statistics	**3**	CORE 390 World of Ideas	3
ENGLISH 370 Advanced Composition, PWP 371 Writing in the Sciences, or PWP 372 Technical & Scientific Writing	**3**	COMM 110 Intro to Human Communication	3
Minor Course	3	Minor Course	3
General Education Elective	3	General Education Elective	3
Semester Total	15	Semester Total	16
7th Semester	**Units**	**8th Semester**	**Units**
MATH 420 Applied Regression Analysis	**3**	Minor Course	3
Minor Course	3	Minor Course	3
Minor Course	3	Elective Course	3
General Education Elective	2-3	Elective Course	3
U.S. Racial & Ethnic Diversity Course	3	Elective Course	0-2
Semester Total	14-15	Semester Total	12-14

Department Website: https://www.uww.edu/cls/departments/math

Transfer students may have different general education requirements than those listed.
Refer to your Advising Report for requirements specific to you.

General Degree Notes

You must begin your Math and English sequences with the appropriate course. Your ACT, SAT or UW Placement Test score will determine the course in which you start. Please refer to your Academic Advising Report and adjust the sample 4-year plan accordingly.

All students must complete a minimum of 120 credits including:

1) At least 32 units of general education, including specific Gen Ed core courses, as well as approved math and science, physical education, and elective courses. Your general education electives must come from the following categories: GA, GE, GG, GH, GS, or GW.
2) All requirements for the BA or BS Degree.
3) All requirements for the major and minor.

College of Letters and Sciences Degree Notes

This plan includes Bachelor of Science (BS) requirements. For the BS students must complete two lab sciences designated GL from two different disciplines **and** 5 credits of advanced math or two 3-credit courses chosen from advanced math, statistics or computer science.

A Bachelor of Arts (BA) is also available. For the BA, students must demonstrate that they have achieved basic competency in a foreign language equivalent to one year of study at the college level. Students must also complete two 300/400 level courses outside of the major and minor subjects.

Major Notes

The Planning Guide begins with the most common placement for this major but students who place lower may need additional math credits.

Courses in **bold** typeface indicate specific courses that must be completed for the major.