

Mathematics Major

Mathematics Major - Liberal Arts: 38 Total Credits

	Fall Semester	Spring Semester
Freshman Year	<u>MATH 166</u> Calculus I (M) – 4 <u>ENGL 100</u> (CW) – 3 General Education (CS) – 3 General Education (SI ¹) – 3 General Education (SB ¹) – 3 Total semester credits – 16	<u>MATH 167</u> Calculus II – 4 <u>MATH 236</u> Discrete Mathematics – 4 <u>ENGL 200</u> (CA) – 3 General Education (HF ¹) – 3 <u>HEAL 108</u> (HW) – 1 Total semester credits – 15
Sophomore Year	<u>MATH 256</u> Linear Algebra – 3 <u>MATH 268</u> Calculus III – 4 General Education (HF ²) – 3 General Education (SI ²) – 3 Course in minor ¹ – 3 Total semester credits – 16	<u>MATH 205</u> , <u>PHYS 211</u> , or <u>CIDS 239</u> – 3 General Education (SB ²) – 3 General Education (EC) – 3 Mathematics elective ¹ – 3 Course in minor ² – 3 Total semester credits – 15
Junior Year	Global Perspectives course (G) – 3 Mathematics elective ² – 3 Mathematics 300 level elective ³ – 3 Course in minor ³ – 3 Course in minor ⁴ – 3 Total semester credits – 15	American Cultural Diversity course (D) – 3 <u>MATH 385 or 495</u> – 1 Mathematics elective ⁴ – 3 Mathematics elective ⁵ – 3 Course in minor ⁵ – 3 Course in minor ⁶ – 3 Total semester credits – 16
Senior Year	Mathematics elective ⁶ – 3 Course in minor ⁷ – 3 Course in minor ⁸ – 3 Any elective – 3 Total semester credits – 12	Any elective – 3 Any elective – 3 Any elective – 3 Any elective – 3 Any elective – 3 Total semester credits – 15
Summary of Degree Requirements	General Education - 39 cr. Major Requirements - 38 cr. Minor Program - 24 cr. Credits to Degree - 120 cr.	This academic plan is an example of how students might choose to fulfill program requirements within a period of four years. After consulting with their advisors, students may make other course choices which would meet the program requirements and be more suitable for them.

Mathematics Major – Actuarial Science

Mathematics Major - Liberal Arts: 38 Total Credits

Actuarial	Fall Semester	Spring Semester
Freshman Year	<u>MATH 166</u> Calculus I (M) – 4 <u>ENGL 100</u> (CW) – 3 General Education (CS) – 3 General Education (SI ¹) – 3 <u>ECON 100</u> Modern Economics (SB ¹) – 3 Total semester credits – 16	<u>MATH 167</u> Calculus II – 4 <u>MATH 236</u> Discrete Mathematics – 4 <u>ENGL 200</u> (CA) – 3 General Education (HF ¹) – 3 <u>HEAL 108</u> (HW) – 1 Total semester credits – 15
Sophomore Year	<u>MATH 256</u> Linear Algebra – 3 <u>MATH 268</u> Calculus III – 4 <u>ACCT 231</u> Princ. of Accounting I – 3 General Education (HF ²) – 3 General Education (SI ²) – 3 Total semester credits – 16	<u>MATH 205</u> , <u>PHYS 211</u> , or <u>CIDS 239</u> – 3 General Education (SB ²) – 3 General Education (EC) – 3 Course in minor ¹ – 3 Course in minor ² – 3 Total semester credits – 15
Junior Year	<u>MATH 356</u> Probability – 3 <u>MATH 375</u> Fin. Math for Actuarial – 3 <u>ECON 201</u> Principles of Microeconomics – 3 <u>CIDS 215</u> Data Science for Everyone* – 3 Course in minor ³ – 3 Total semester credits – 15	American Cultural Diversity course (D) – 3 <u>MATH 385 or 495</u> – 1 <u>MATH 371</u> Prob. for Actuarial Sci Exams – 3 <u>ECON 202</u> Principles of Macroeconomics – 3 Course in minor ⁴ – 3 Course in minor ⁵ – 3 Total semester credits – 16
Senior Year	Global Perspectives course (G) – 3 Mathematics elective ⁴ – 3 Mathematics elective ⁵ – 3 Course in minor ⁶ – 3 Any elective – 3 Total semester credits – 15	<u>MATH 376</u> Fin. Math for Actuarial Exams – 3 Course in minor ⁷ – 3 Course in minor ⁸ – 3 Mathematics elective ⁶ – 3 Total semester credits – 12
Summary of Degree Requirements	General Education - 39 cr. Major Requirements - 38 cr. Minor Program - 24 cr. Credits to Degree - 120 cr. <i>*Recommended for Actuarial Science but not required.</i>	This academic plan is an example of how students might choose to fulfill program requirements within a period of four years. After consulting with their advisors, students may make other course choices which would meet the program requirements and be more suitable for them.