

Mathematics Major B.S.

MAY 2019

First year

Fall:

3	MATH 121	Calculus w. Analytic Geometry I
4	CPSC 121	Introduction to Programming
3	WRIT 102	Research Writing
3	HIST	History elective
3	EPPS*	Social Science elective
0	MATH 192	Mathematics Seminar
0	CORE 103	Community Enrichment Series

16 credits

Second year

Fall:

3	MATH 221	Calculus III
3	MATH 322	Linear Algebra
4	PHYS 122	Physics II
3	LIT 104*	Introduction to Literature
3	PHIL 205	Reasoning & Responsibility
0	MATH 292	Mathematics Seminar

16 credits

Third year

Fall:

3	MATH 401 or 407	Real analysis or Abstract algebra
3	MATH 304	Probability
3	EPPS *	Social Science Elective
3	elective	Free elective
3	elective	Free elective
0	EXAM 301	Writing Competency Exam
0	MATH 392	Math Seminar

15 credits

Fourth year

Fall:

3	MATH 401 or 407	Real Analysis or Abstract Algebra
3	elective	Free elective
3	elective	Free elective
3	elective	Free elective
3	CORE 407	Keystone Seminar
1	MATH 492	Math Seminar

16 credits

Spring:

3	MATH 122	Calculus w. Analytic Geometry II
3	MATH 140	Foundations of Mathematics
4	PHYS 121	Physics I
3	RLST 105	Franciscan Goals for Today
3	CORE 113	First-year Seminar
0	CORE 104	Community Enrichment Series

16 credits

Spring:

3	MATH 222	Calculus IV
3	MATH 306	Differential Equations
3	Language	Language elective
3	RLST or PHIL	Religion or Philosophy Course
3	EPPS*	Social Science elective

15 credits

Spring:

3	MATH**	Mathematics elective
3	DIV REQ	Diversity Requirement
3	elective	Free elective
3	elective	Free elective
3	elective	Free elective
3	elective	Free elective

18 credits

Spring:

3	MATH**	Mathematics elective
3	Fine Arts	Fine Arts elective
3	elective	Free elective
3	elective	Free elective
4	elective	Free elective

16 credits

37 Credits Major; 12 Credits Collateral; 42 Additional Core Credits; 37 Credits Electives; 128 Total Credits

* EPPS – 2 different of (ECON101, PLSC 100-200 level, PSYC101 or SOC 100-200 level), plus 1 more of ECON, PLSC, PSYC, SOC); ** One of the mathematics electives must be MATH 402 or 408

*LIT 104 or any of the following: LIT 201,202, 204, 207, 270 ; DIV REQ: See General education list