# Mathematics major Bachelor of Science

#### First year

Fall:		
3	MATH 121	Calculus 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

#### Spring:

3	MATH 122	Calculus 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

<sup>16</sup> credits

16 credits

## **Second year**

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

<sup>16</sup> credits

#### Spring:

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

<sup>15</sup> credits

#### Third year

Fall:	•	
3	MATH 401	Real analysis or
	or 407	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	Mathematics Seminar

<sup>15</sup> credits

### Spring:

3	MATH 402	MATH 402 or
	or elective	mathematics elective
3	Diversity*	Diversity requirement
3	Elective	Free elective

<sup>18</sup> credits

#### Fourth year

Fall:		
3	MATH 401	Real Analysis or
	or 407	Abstract Algebra
3	Elective	Free elective
3	Elective	Free elective
3	Elective	Free elective
3	CORE 407	Keystone Seminar
1	MATH 492	Mathematics Seminar

<sup>16</sup> credits

#### Spring:

3	MATH 402	MATH 402 or
	or elective	Mathematics elective
3	Fine Arts	Fine Arts elective
3	Elective	Free elective
3	Elective	Free elective
4	Elective	Free elective
	11.	

<sup>16</sup> credits

<sup>37</sup> Credits Major; 12 Credits Collateral; 42 Additional Core Credits; 37 Credits Electives; 128 Total Credits

<sup>\*</sup>Social Science elective—two different of ECON 101, PLSC 100-200 level, PSYC 101, and SOC 100-200 level, plus one more of ECON, PLSC, PSYC, or SOC; Literature elective—LIT 104, 201, 202, or 270; Diversity requirement—See General Education list