

MATHEMATICS, B.S.

Course Sequence

NOTE: The course sequence table is designed by the major department and is one way that the classes will work out properly in sequence for your major. However, there are alternative or flexible ways to rotate some of the classes within the same year/level and sometimes between year levels. Please contact your major department advisor to discuss flexible alternatives in scheduling the sequence of your classes.

Taking coursework during the summer session may also be an option to accelerate your degree path.

See Core Curriculum Program section (<http://catalog.biola.edu/general-information/undergraduate-core-curriculum-program/>) for a list of approved Core Curriculum courses.

- **Actuarial Science (p. 1)**
- **Applied Mathematics (p. 1)**
- **Computer Science (p. 1)**
- **Pure Mathematics (p. 2)**
- **Statistics and Data Science (p. 2)**
- **Mathematics: Secondary Instruction (p. 3)**

Mathematics, B.S. Actuarial Science (MACT)

First Year			
Fall	Credits	Spring	Credits
BBST 103 or 165	3	BBST 103 or 165	3
GNST 102	1	CSCI 105	3
KNES 107	1	ENGL 100 or 112	3
MATH 150	4	MATH 151	4
MATH 190	3	MATH 204	3
Foreign Language (See Core Curriculum)	4		
	16		16
Second Year			
Fall	Credits	Spring	Credits
BBST 209 or 210	3	BBST 209 or 210	3
BUSN 201	3	BBST 251	3
MATH 250	4	BUSN 202	3
MATH 291	3	MATH 305 or 315	3
Fine Arts (see Core Curriculum)	3	Science (see Core Curriculum)	3
	16		15
Third Year			
Fall	Credits	Spring	Credits
BBST 365	3	BBST 354	3
BUSN 211	3	BUSN 212	3
BUSN 370	3	MATH 305 or 315	3
ENGL 313	3	MATH 332 or 333	3
MATH 370	1	MATH 370	1
MATH Elective (upper-division)	3	Behavioral Science (see Core Curriculum)	3
Writing Competency Requirement		Graduation Application due in Registrar's Office	
	16		16
Fourth Year			
Fall	Credits	Spring	Credits
BBST 300/400 Bible Elective	3	BBST 300/400 Bible Elective	3
		BBST 465 (BBST 4656 God and Math highly recommended)	3
		HIST 200, 201, or POSC 225	3
		MATH 332 or 333	3
		General Elective	3
			15
Total Credits 120			

MATH 331	3	BBST 465 (BBST 4656 God and Math highly recommended)	3
Communication (see Core Curriculum)	3	HIST 200, 201, or POSC 225	3
KNES Activity (see Core Curriculum)	1	MATH 332 or 333	3
Literature (see Core Curriculum)	3	MATH 335	3
Philosophy (see Core Curriculum)	3		
	16		15

Total Credits 126

Mathematics, B.S. Applied Mathematics (MAAP)

First Year			
Fall	Credits	Spring	Credits
BBST 103 or 165	3	BBST 103 or 165	3
ENGL 100 or 112	3	CSCI 105	3
GNST 102	1	KNES 107	1
MATH 150	4	MATH 151	4
Foreign Language (See Core Curriculum)	4	MATH 204	3
	15		14
Second Year			
Fall	Credits	Spring	Credits
BBST 209 or 210	3	BBST 209 or 210	3
BBST 251	3	MATH 305 or 315	3
MATH 250	4	Communication (see Core Curriculum)	3
MATH 291	3	Science (see Core Curriculum)	3
Literature (see Core Curriculum)	3	General Elective	3
	16		15
Third Year			
Fall	Credits	Spring	Credits
BBST 365	3	BBST 354	3
ENGL 313	3	MATH 305 or 315	3
MATH 321 or 331	3	MATH 332 or 333	3
MATH 370	1	MATH 335 or 440	3
MATH Elective (upper-division)	3	MATH 370	1
Behavioral Science (see Core Curriculum)	3	KNES Activity (see Core Curriculum)	1
Writing Competency Requirement		Graduation Application due in Registrar's Office	
	16		14

Fourth Year			
Fall	Credits	Spring	Credits
BBST 300/400 Bible Elective	3	BBST 300/400 Bible Elective	3
MATH 321 or 331	3	BBST 465 (BBST 4656 God and Math highly recommended)	3
Fine Arts (see Core Curriculum)	3	HIST 200, 201, or POSC 225	3
Philosophy (see Core Curriculum)	3	MATH 332 or 333	3
General Elective	3	General Elective	3
	15		15

Total Credits 120

Mathematics, B.S. Computer Science (MACS)

First Year			
Fall	Credits	Spring	Credits
BBST 103 or 165	3	BBST 103 or 165	3
CSCI 105	3	CSCI 106	3
ENGL 100 or 112	3	KNES 107	1

GNST 102	1 MATH 151	4
MATH 150	4 MATH 204	3
14		14
Second Year		
Fall	Credits Spring	Credits
BBST 209 or 210	3 BBST 209 or 210	3
BBST 251	3 CSCI 220	3
MATH 250	4 MATH 305 or 315	3
MATH 291	3 Communication (see Core Curriculum)	3
Foreign Language (see Core Curriculum)	4 Science (see Core Curriculum)	3
17		15
Third Year		
Fall	Credits Spring	Credits
BBST 365	3 BBST 354	3
CSCI 400	3 MATH 305 or 315	3
MATH 370	1 MATH 370	1
MATH/CSCI Elective (upper-division)	3 MATH/CSCI Elective (upper-division)	3
Behavioral Science (see Core Curriculum)	3 KNES Activity (see Core Curriculum)	1
Literature (see Core Curriculum)	3 General Elective	3
Writing Competency Requirement	Graduation Application due in Registrar's Office	
16		14
Fourth Year		
Fall	Credits Spring	Credits
BBST 300/400 Bible Elective	3 BBST 300/400 Bible Elective	3
ENGL 313	3 BBST 465 (BBST 4656 God and Math highly recommended)	3
MATH Elective (upper-division)	3 HIST 200, 201, or POSC 225	3
MATH Elective (upper-division)	3 MATH Elective (upper-division)	3
Philosophy (see Core Curriculum)	3 Fine Arts (see Core Curriculum)	3
15		15
Total Credits 120		

¹ Select at least two of MATH 321, 331, 332, 333.

Mathematics, B.S. Pure Mathematics (MAPM)

First Year		
Fall	Credits Spring	Credits
BBST 103 or 165	3 BBST 103 or 165	3
ENGL 100 or 112	3 CSCI 105	3
GNST 102	1 KNES 107	1
MATH 150	4 MATH 151	4
Foreign Language (See Core Curriculum)	4 MATH 204	3
15		14
Second Year		
Fall	Credits Spring	Credits
BBST 209 or 210	3 BBST 209 or 210	3
BBST 251	3 MATH 305 or 315	3
MATH 250	4 Communication (see Core Curriculum)	3
MATH 291	3 Science (see Core Curriculum)	3
General Elective	3 General Elective	3
16		15
Third Year		
Fall	Credits Spring	Credits
BBST 365	3 BBST 354	3
MATH 318	3 MATH 305 or 315	3
MATH 331	3 MATH 332	3
Behavioral Science (see Core Curriculum)	3 MATH 370	1
General Elective	3 KNES Activity (see Core Curriculum)	1
Writing Competency Requirement	Literature (see Core Curriculum)	3
Graduation Application due in Registrar's Office		
15		14
Fourth Year		
Fall	Credits Spring	Credits
BBST 300/400 Bible Elective	3 BBST 300/400 Bible Elective	3
CSCI 305, 306, 402, 440, BUSN 423, or MATH 319	3 BBST 465 (BBST 4656 God and Math highly recommended)	3

Third Year		
Fall	Credits Spring	Credits
BBST 365	3 BBST 354	3
MATH 331	3 MATH 305 or 315	3
MATH 370	1 MATH 370	1
MATH Elective (upper-division)	3 MATH Elective (upper-division)	3
Behavioral Science (see Core Curriculum)	3 KNES Activity (see Core Curriculum)	1
General Elective	3 Literature (see Core Curriculum)	3
Writing Competency Requirement	Graduation Application due in Registrar's Office	
16		14
Fourth Year		
Fall	Credits Spring	Credits
BBST 300/400 Bible Elective	3 BBST 300/400 Bible Elective	3
ENGL 313	3 BBST 465 (BBST 4656 God and Math highly recommended)	3
MATH Elective (upper-division)	3 HIST 200, 201, or POSC 225	3
MATH Elective (upper-division)	3 MATH Elective (upper-division)	3
Philosophy (see Core Curriculum)	3 Fine Arts (see Core Curriculum)	3
15		15

Total Credits 120

Mathematics, B.S. Statistics and Data Science (MASD)

First Year		
Fall	Credits Spring	Credits
BBST 103 or 165	3 BBST 103 or 165	3
CSCI 105	3 CSCI 106	3
ENGL 100 or 112	3 KNES 107	1
GNST 102	1 MATH 151	4
MATH 150	4 MATH 204	3
Foreign Language (see Core Curriculum)		4
14		18

Second Year		
Fall	Credits Spring	Credits
BBST 209 or 210	3 BBST 209 or 210	3
BBST 251	3 MATH 305 or 315	3
MATH 250	4 Communication (see Core Curriculum)	3
MATH 291	3 Science (see Core Curriculum)	3
General Elective	3 General Elective	3
16		15

Third Year		
Fall	Credits Spring	Credits
BBST 365	3 BBST 354	3
MATH 318	3 MATH 305 or 315	3
MATH 331	3 MATH 332	3
Behavioral Science (see Core Curriculum)	3 MATH 370	1
General Elective	3 KNES Activity (see Core Curriculum)	1
Writing Competency Requirement	Literature (see Core Curriculum)	3
Graduation Application due in Registrar's Office		
15		14

Fourth Year		
Fall	Credits Spring	Credits
BBST 300/400 Bible Elective	3 BBST 300/400 Bible Elective	3
CSCI 305, 306, 402, 440, BUSN 423, or MATH 319	3 BBST 465 (BBST 4656 God and Math highly recommended)	3

ENGL 313	3 HIST 200, 201, or POSC 225	3
MATH 380 or 319	3 MATH 470	1
Philosophy (see Core Curriculum)	3 Fine Arts (see Core Curriculum)	3
	15	13

Total Credits 120

Mathematics, B.S. Secondary Instruction (MAED)

First Year

Fall	Credits Spring	Credits
BBST 103 or 165	3 BBST 103 or 165	3
ENGL 100 or 112	3 CSCI 105	3
GNST 102	1 KNES 107	1
MATH 150	4 MATH 151	4
Foreign Language (See Core Curriculum)	4 MATH 204	3
	15	14

Second Year

Fall	Credits Spring	Credits
BBST 209 or 210	3 BBST 209 or 210	3
BBST 251	3 MATH 305 or 315	3
LEDU 301	3 LEDU 341	3
MATH 250	4 Communication (see Core Curriculum)	3
MATH 291	3 KNES Activity (see Core Curriculum)	1
	Science (see Core Curriculum)	3
	16	16

Third Year

Fall	Credits Spring	Credits
BBST 365	3 BBST 354	3
LEDU 425	3 LEDU 330	3
MATH 331 or 341	3 MATH 305 or 315	3
MATH 370	1 MATH 318 or 332	3
MATH 415	3 MATH 370	1
PSYC 200 (fulfills Behavioral Science Core Curriculum requirement)	3 Literature (see Core Curriculum)	3
Writing Competency Requirement	Graduation Application due in Registrar's Office	
	16	16

Fourth Year

Fall	Credits Spring	Credits
BBST 300/400 Bible Elective	3 BBST 300/400 Bible Elective	3
ENGL 313	3 BBST 465 (BBST 4656 God and Math highly recommended)	3
MATH 331 or 341	3 HIST 200 or POSC 225 (fulfills History Core Curriculum requirement)	3
MATH Elective (upper-division)	3 LEDU 433 ¹	2
Fine Arts (see Core Curriculum)	3 LEDU 438	3
Philosophy (see Core Curriculum)	3 LEDU 450 & LEDU 452 ²	0
	MATH Elective (upper-division)	3
	18	17

Total Credits 128

² Students who wish to complete student teaching as an undergraduate must meet with an advisor. It is possible to complete LEDU 450/LEDU 452 prior to graduation if the Foreign Language requirement has already been met and coursework is taken during summer sessions. Cross-listed as SEED 514/SEED 515 at the graduate level.

¹ Students who wish to meet the requirements to waive the subject matter competency requirement for a California teaching credential must pass all required major courses with a grade of C or above as well as a B- or above in LEDU 433.