

MATHEMATICS, B.S.

Torrey Hnrs Seq

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. 2)**
- **Pure Mathematics (p. 2)**
- **Secondary Instruction (p. 2)**
- **Statistics and Data Science (p. 3)**

Mathematics, B.S. Actuarial Science (MACT)

First Year			
Fall	Credits Spring		Credits
HNRS 101	4 HNRS 105		4
HNRS 102	4 HNRS 106		4
GNST 102	1 CSCI 105		3
KNES 107	1 MATH 151		4
MATH 150	4 MATH 204		3
MATH 190	3		
	17		18
Second Year			
Fall	Credits Spring		Credits
HNRS 210	4 HNRS 230		4
HNRS 215	4 HNRS 231		4
BUSN 201	3 BUSN 202		3
MATH 250	4 MATH 305 or 315		3
MATH 291	3 Foreign Language (see Core Curriculum)		4
	18		18
Third Year			
Fall	Credits Spring		Credits
HNRS 324	4 HNRS 337		4
HNRS 326	2 HNRS 339		2
BUSN 211	3 BUSN 212		3
BUSN 370	3 MATH 305 or 315		3
MATH 331	3 MATH 332 or 333		3
MATH 370	1 MATH 370		1
	16		16
Fourth Year			
Fall	Credits Spring		Credits
HNRS 443	4 HNRS 458		4
ENGL 313	3 BBST 465 (BBST 4656 God and Math highly recommended)		3
MATH Elective (upper-division)	3 MATH 332 or 333		3
	3 MATH 335 or 440		3
	General Elective		2
	13		15
Total Credits 120			

Science (see Core Curriculum)	3 MATH 335	3
	KNES Activity (see Core Curriculum)	1
	13	14
Total Credits 130		

Note: Those that took at least 2 years of a foreign language in high school need not take a foreign language class. At most 8 credits may be obtained through KNES classes; at most 8 credits may be obtained through applied music classes.

Mathematics, B.S. Applied Mathematics (MAAP)

First Year			
Fall	Credits Spring		Credits
HNRS 101	4 HNRS 105		4
HNRS 102	4 HNRS 106		4
GNST 102	1 CSCI 105		3
MATH 150	4 MATH 151		4
Foreign Language (see Core Curriculum)	4 MATH 204		3
	17		18
Second Year			
Fall	Credits Spring		Credits
HNRS 210	4 HNRS 230		4
HNRS 215	4 HNRS 231		4
MATH 250	4 MATH 305 or 315		3
MATH 291	3 Science (see Core Curriculum)		3
	15		14
Third Year			
Fall	Credits Spring		Credits
HNRS 324	4 HNRS 337		4
HNRS 326	2 HNRS 339		2
KNES 107	1 ENGL 313		3
KNES Activity (see Core Curriculum)	1 MATH 305 or 315		3
MATH 321 or 331	3 MATH 332 or 333		3
MATH 370	1 MATH 370		1
	12		16
Fourth Year			
Fall	Credits Spring		Credits
HNRS 443	4 HNRS 458		4
MATH 321 or 331	3 BBST 465 (BBST 4656 God and Math highly recommended)		3
MATH Elective (upper-division)	3 MATH 332 or 333		3
General Elective	3 MATH 335 or 440		3
	General Elective		2
	13		15
Total Credits 120			

Note: Those that took at least 2 years of a foreign language in high school may replace the foreign language requirement with general elective credit. At most 8 credits may be obtained through KNES classes; at most 8 credits may be obtained through applied music classes.

Mathematics, B.S. Computer Science (MACS)

First Year		
Fall	Credits Spring	Credits
HNRS 101	4 HNRS 105	4
HNRS 102	4 HNRS 106	4
CSCI 105	3 CSCI 106	3
GNST 102	1 MATH 151	4
MATH 150	4 MATH 204	3
16		18
Second Year		
Fall	Credits Spring	Credits
HNRS 210	4 HNRS 230	4
HNRS 215	4 HNRS 231	4
MATH 250	4 CSCI 220	3
MATH 291	3 MATH 305 or 315	3
15		14
Third Year		
Fall	Credits Spring	Credits
HNRS 324	4 HNRS 337	4
HNRS 326	2 HNRS 339	2
CSCI 400	3 ENGL 313	3
MATH 370	1 MATH 305 or 315	3
Foreign Language (see Core Curriculum)	4 MATH 370	1
Science (see Core Curriculum)		3
14		16
Fourth Year		
Fall	Credits Spring	Credits
HNRS 443	4 HNRS 458	4
MATH 321, 331, 332, or 333	3 BBST 465 (BBST 4656 God and Math highly recommended)	3
MATH/CSCI Elective (upper-division)	3 MATH 321, 331, 332, or 333	3
MATH/CSCI Elective (upper-division)	3 MATH/CSCI Elective (upper-division)	3
KNES 107	1 KNES Activity (see Core Curriculum)	1
14		14
Total Credits 121		

Note: Those that took at least 2 years of a foreign language in high school may replace the foreign language requirement with general elective credit. At most 8 credits may be obtained through KNES classes; at most 8 credits may be obtained through applied music classes.

Mathematics, B.S. Pure Mathematics (MAPM)

First Year		
Fall	Credits Spring	Credits
HNRS 101	4 HNRS 105	4
HNRS 102	4 HNRS 106	4
GNST 102	1 CSCI 105	3
MATH 150	4 MATH 151	4
Foreign Language (see Core Curriculum)	4 MATH 204	3
17		18
Second Year		
Fall	Credits Spring	Credits
HNRS 210	4 HNRS 230	4

HNRS 215	4 HNRS 231	4
MATH 250	4 MATH 305 or 315	3
MATH 291	3 Science (see Core Curriculum)	3
15		14
Third Year		
Fall	Credits Spring	Credits
HNRS 324	4 HNRS 337	4
HNRS 326	2 HNRS 339	2
KNES 107	1 ENGL 313	3
MATH 331	3 MATH 305 or 315	3
MATH 370	1 MATH 370	1
KNES Activity (see Core Curriculum)	1 MATH Elective (upper-division)	3
12		16
Fourth Year		
Fall	Credits Spring	Credits
HNRS 443	4 HNRS 458	4
MATH Elective (upper-division)	3 BBST 465 (BBST 4656 God and Math highly recommended)	3
MATH Elective (upper-division)	3 MATH Elective (upper-division)	3
General Elective	3 MATH Elective (upper-division)	3
General Elective		2
13		15
Total Credits 120		

Note: Those that took at least 2 years of a foreign language in high school may replace the foreign language requirement with general elective credit. At most 8 credits may be obtained through KNES classes; at most 8 credits may be obtained through applied music classes.

Mathematics, B.S. Secondary Instruction (MAED)

First Year		
Fall	Credits Spring	Credits
HNRS 101	4 HNRS 105	4
HNRS 102	4 HNRS 106	4
GNST 102	1 CSCI 105	3
MATH 150	4 MATH 151	4
Foreign Language (see Core Curriculum)	4 MATH 204	3
17		18
Second Year		
Fall	Credits Spring	Credits
HNRS 210	4 HNRS 230	4
HNRS 215	4 HNRS 231	4
LEDU 301	3 LEDU 341	3
MATH 250	4 MATH 305 or 315	3
MATH 291	3 Science (see Core Curriculum)	3
18		17
Third Year		
Fall	Credits Spring	Credits
HNRS 324	4 HNRS 337	4
HNRS 326	2 HNRS 339	2
LEDU 425	3 KNES 107	1
MATH 331 or 341	3 LEDU 330	3
MATH 370	1 MATH 305 or 315	3
MATH 415	3 MATH 318 or 332	3
MATH 370		1
16		17

Fourth Year

Fall	Credits Spring	Credits
HNRS 443	4 HNRS 458	4
ENGL 313	3 BBST 465 (BBST 4656 God and Math highly recommended)	3
MATH 331 or 341	3 LEDU 433 ¹	2
MATH Elective (upper-division)	3 LEDU 438	3
PSYC 200 (required)	3 MATH Elective (upper-division)	3
KNES Activity (see Core Curriculum)	1	
	17	15

Total Credits 135

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.

Note: Those that took at least 2 years of a foreign language in high school need not take a foreign language class. At most 8 credits may be obtained through KNES classes; at most 8 credits may be obtained through applied music classes. LEDU 433 must be taken concurrently with LEDU 438. In addition to the listed classes, LEDU 450 and LEDU 452 (12 credits) are required for a teaching credential.

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

First Year

Fall	Credits Spring	Credits
HNRS 101	4 HNRS 105	4
HNRS 102	4 HNRS 106	4
GNST 102	1 CSCI 105	3
MATH 150	4 MATH 151	4
Foreign Language (see Core Curriculum)	4 MATH 204	3
	17	18

Second Year

Fall	Credits Spring	Credits
HNRS 210	4 HNRS 230	4
HNRS 215	4 HNRS 231	4
MATH 250	4 CSCI 106	3
MATH 291	3 KNES 107	1
	MATH 305 or 315	3
	15	15

Third Year

Fall	Credits Spring	Credits
HNRS 324	4 HNRS 337	4
HNRS 326	2 HNRS 339	2
MATH 331	3 ENGL 313	3
MATH 380 or 319	3 MATH 305 or 315	3
	MATH 332	3
	MATH 370	1
	12	16

Fourth Year

Fall	Credits Spring	Credits
HNRS 443	4 HNRS 458	4
CSCI 305, 306, 402, 440, BUSN 432, or MATH 319	3 BBST 465 (BBST 4656 God and Math highly recommended)	3
MATH 318	3 MATH 470	1
Science (see Core Curriculum)	3 KNES Activity (see Core Curriculum)	1

General Elective 3

General Elective 2

13 14**Total Credits 120**

Note: Those that took at least 2 years of a foreign language in high school may replace the foreign language requirement with general elective credit. At most 8 credits may be obtained through KNES classes; at most 8 credits may be obtained through applied music classes.