

# COMMUNICATION SCIENCES AND DISORDERS, B.S.

## Mission

The mission of the Bachelor of Science in Communication Sciences and Disorders (<https://www.biola.edu/degrees/u/communication-sciences-and-disorders-bs/>) is to prepare Christian men and women with the proper foundation for graduate studies in Speech-Language Pathology and Audiology, so they can one day serve with excellence the millions of people whose lives are affected by various speech, language, hearing, cognitive, and swallowing disorders, problems that touch our sense of humanness.

## Degree Program

Upon completion of the University baccalaureate and major requirements, the Communication Sciences and Disorders department offers the Bachelor of Science degree in Communication Sciences and Disorders. Overall, obtaining a degree in this major requires 56 credits.

## Learning Outcomes

### Program Learning Outcomes

Upon completion of the Bachelor of Science in Communication Sciences and Disorders, students will be able to:

1. Demonstrate knowledge of basic human communication and swallowing processes, including their biological, neurological, acoustical, cultural, and developmental bases and the nature, etiology, and characteristics of speech, language, hearing, swallowing, and other communication disorders (ULO 1).
2. Demonstrate the ability to complete scholarly research and writing in the field of communication sciences and disorders (ULO 1).
3. Demonstrate their ability to integrate their faith into clinical practice (ULO 2).
4. Develop diagnostic and intervention plans for individuals with a variety of communication and swallowing disorders (ULO 3).

Each Program Learning Outcome (PLO) listed above references at least one of the University Learning Outcomes (ULO 1, 2, 3), which may be found in the General Information section (<https://catalog.biola.edu/general-information/#UniversityLearningOutcomes>) of this catalog.

## Program Requirements

### GPA Requirements

All majors must achieve a minimum grade of a C in all major courses taken at Biola. Anyone receiving a lower grade must repeat the course with a higher grade to receive credit for the course.

## Curriculum Requirements

Code	Title	Credits
<b>Recommended Core Curriculum Courses</b>		
In addition to the program courses, eventual licensing and credentialing in the field by the American Speech Language Hearing Association requires at least one course in the following Core Curriculum areas: Biological Sciences, Physical Sciences, Behavioral/Social Sciences, Research/Statistics, and an alternative communication modality. In light of this, the department strongly recommends that students take the following Core Curriculum courses: <sup>1,2</sup>		
BIOS 100	Biological Principles	
MATH 210	Introduction to Probability and Statistics	
PHSC 101	Physical Science Survey: Lecture	
PSYC 200	Introduction to Psychology	
Select 4 credits of American Sign Language:		
ASLG 100	Elementary American Sign Language	
ASLG 200	Elementary American Sign Language II	
ASLG 201	Intermediate American Sign Language	
<b>Program Courses</b>		
In addition to the courses below, students must complete 25 hours of observation.		
CODS 210	Introduction to Human Disabilities	3
CODS 318	Neuroanatomical Foundations for Communication Disorders	3
CODS 321	Clinical Phonetics and Phonology	3
CODS 324	Anatomy and Physiology of Speech and Hearing	3
CODS 325	Speech and Hearing Science	3
CODS 328	Fluency Disorders	3
CODS 331	Speech and Language Development and Disorders (Birth to 5yrs)	3
CODS 332	Speech and Language Development and Disorders (5yrs to Adolescence)	3
CODS 418	Multicultural Topics in Communication Disorders	3
CODS 422	Neurogenic Communication Disorders	3
CODS 424	Aural Rehabilitation	3
CODS 425	Audiology	3
CODS 429	Clinical Practicum: Biola Speech/ Language Clinic	2
CODS 432	Dysphagia	3
CODS 439	Speech Sound Disorders	3
CODS 441	Diagnostic Methods	3
CODS 442	Therapeutic Methods	3
CODS 444	Voice Disorders	3
CODS 466	Research in Communication Disorders	3

<b>Program Course Requirements: 56 credits</b>	
<b>Core Curriculum Requirements (<a href="https://catalog.biola.edu/academic-policies/undergraduate-core-curriculum-program/">https://catalog.biola.edu/academic-policies/undergraduate-core-curriculum-program/</a>)</b>	<b>67</b>
<b>Total Credits</b>	<b>123</b>

<sup>1</sup> See Core Curriculum Program section (<https://catalog.biola.edu/academic-policies/undergraduate-core-curriculum-program/>) for details.

<sup>2</sup> From the recommended Core Curriculum courses list, if both a Biological Science and a Physical Science course are taken, the program credit total will increase by 4 credits.

## Accelerated Program

Students who enter into the Communication Sciences and Disorders, B.S. as freshmen have the chance to declare their intent to enter the accelerated program, in which the students will complete the undergraduate program in three years and enter straight into the two year M.S. in Speech-Language Pathology (<https://catalog.biola.edu/sssth/STSL-ms/>) program. (Students must complete the University Graduate Admissions application)

In order to remain in the accelerated program, students must maintain pleasant and professional relationships with all department faculty. Failure to maintain these professional competencies will result in the student's removal from the accelerated program.

## GPA Requirements

All majors must achieve a minimum grade of a C in all major courses taken at Biola. Anyone receiving a lower grade must repeat the course with a higher grade to receive credit for the course. Students in the accelerated program should also maintain a 3.6 overall GPA.

## Curriculum Requirements

Code	Title	Credits
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### Recommended Core Curriculum Courses

In addition to the program courses, eventual licensing and credentialing in the field by the American Speech Language Hearing Association requires at least one course in the following Core Curriculum areas: Biological Sciences, Physical Sciences, Behavioral/Social Sciences, Research/Statistics, and an alternative communication modality. In light of this, the department strongly recommends that students take the following Core Curriculum courses: <sup>1,2</sup>

BIOS 100	Biological Principles	
MATH 210	Introduction to Probability and Statistics	
PHSC 101	Physical Science Survey: Lecture	
PSYC 200	Introduction to Psychology	
Select 4 credits of American Sign Language:		
ASLG 100	Elementary American Sign Language	
ASLG 200	Elementary American Sign Language II	
ASLG 201	Intermediate American Sign Language	

### Program Courses

In addition to the courses below, students must complete 25 hours of observation.		
CODS 210	Introduction to Human Disabilities	3
CODS 318	Neuroanatomical Foundations for Communication Disorders	3
CODS 321	Clinical Phonetics and Phonology	3
CODS 324	Anatomy and Physiology of Speech and Hearing	3
CODS 325	Speech and Hearing Science	3
CODS 328	Fluency Disorders	3
CODS 331	Speech and Language Development and Disorders (Birth to 5yrs)	3
CODS 332	Speech and Language Development and Disorders (5yrs to Adolescence)	3
CODS 418	Multicultural Topics in Communication Disorders	3
CODS 422	Neurogenic Communication Disorders	3
CODS 424	Aural Rehabilitation	3
CODS 425	Audiology	3
CODS 429	Clinical Practicum: Biola Speech/Language Clinic	2
CODS 432	Dysphagia	3
CODS 439	Speech Sound Disorders	3
CODS 441	Diagnostic Methods	3
CODS 442	Therapeutic Methods	3
CODS 444	Voice Disorders	3
CODS 466	Research in Communication Disorders	3

<b>Program Course Requirements: 56 credits</b>	
<b>Core Curriculum Requirements (<a href="https://catalog.biola.edu/academic-policies/undergraduate-core-curriculum-program/">https://catalog.biola.edu/academic-policies/undergraduate-core-curriculum-program/</a>)</b>	<b>67</b>
<b>Total Credits</b>	<b>123</b>

<sup>1</sup> See Core Curriculum Program section (<https://catalog.biola.edu/academic-policies/undergraduate-core-curriculum-program/>) for details.

<sup>2</sup> From the recommended Core Curriculum courses list, if both a Biological Science and a Physical Science course are taken, the program credit total will increase by 4 credits.

## Graduate Curriculum Requirements

In order to advance from the Communication Disorders, B.S. to the Speech-Language Pathology, M.S. degree, students need to fulfill the following requirements prior to starting graduate course work.

- Should have a minimum of 3.6 cumulative GPA on a 4.0 scale
- Submit official transcripts from all colleges attended
- Pass the California Basic Educational Skills Test (CBEST)
- Favorable professional competencies recommendation from department faculty

Below are the curriculum requirements for the Speech-Language Pathology, M.S. degree (to be completed during the fourth and fifth years).

Code	Title	Credits
<b>Core Requirements</b>		
MSLP 530	Diagnostic and Therapeutic Methods	2
MSLP 531	Childhood Language and Literacy Disorders	4
MSLP 532	Anatomy and Neurology in SLP	1
MSLP 533	Theology of Disability	3
MSLP 534	Research in Speech-Language Pathology	3
MSLP 535	Motor Speech Disorders	3
MSLP 536	Advanced Speech Sound Disorders	3
MSLP 537	Advanced Dysphagia	3
MSLP 538	Cognitive-Communicative Disorders	3
MSLP 539	Applied Research	1
MSLP 540	Autism Spectrum Disorders	3
MSLP 541	Neurogenic Language Disorders	3
MSLP 542	Advanced Voice Disorders	2
MSLP 543	Cleft Palate and Craniofacial Disorders	1
MSLP 544	Advanced Fluency Disorders	2
MSLP 545	Advanced Augmentative and Alternative Communication	1
MSLP 546	School and Hospital Based Issues	3
MSLP 547	Audiology and Aural Rehabilitation for Speech-Language Pathologists	3
MSLP 548	Counseling and Christian Care in Speech-Language Pathology	3
MSLP 549	Professional Issues in Speech-Language Pathology	2
MSLP 550	Advanced Capstone Experience	3
MSLP 601	Diagnostic Team	3
MSLP 602	Clinical Practicum I	1
MSLP 603	Clinical Practicum II	1
MSLP 604	SLP Clinical Externship I	3
MSLP 605	SLP Clinical Externship II	3
<b>Total Credits</b>		<b>63</b>

## 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 (<https://catalog.biola.edu/academic-policies/undergraduate-core-curriculum-program/>) for a list of approved Core Curriculum courses.

- **Communication Sciences and Disorders, B.S. (p. 3)**
- **Communication Sciences and Disorders, B.S. (Accelerated) (p. 4)**

## Communication Sciences and Disorders, B.S.

<b>First Year</b>		
<b>Fall</b>	<b>Credits Spring</b>	<b>Credits</b>
BBST 103 or 165	3 BBST 103 or 165	3
BIOS 100 (strongly recommended Science Core Curriculum course) <sup>1</sup>	3 CODS 325	3
CODS 210	3 KNES 107	1
ENGL 100 or 112	3 PHSC 101 (strongly recommended Science Core Curriculum course) <sup>1</sup>	4
GNST 102	1 Communication (see Core Curriculum)	3
Foreign Language (ASLG strongly recommended) <sup>1</sup>	4 Fine Arts (see Core Curriculum)	3
	<b>17</b>	<b>17</b>
<b>Second Year</b>		
<b>Fall</b>	<b>Credits Spring</b>	<b>Credits</b>
BBST 209 or 210	3 BBST 209 or 210	3
BBST 251	3 CODS 324	3
CODS 318	3 CODS 332	3
CODS 321	3 CODS 439	3
CODS 331	3 MATH 210 (strongly recommended Mathematics Core Curriculum course) <sup>1</sup>	3
	<b>15</b>	<b>15</b>
<b>Third Year</b>		
<b>Fall</b>	<b>Credits Spring</b>	<b>Credits</b>
BBST 365	3 BBST 354	3
CODS 328	3 CODS 422	3
CODS 425	3 CODS 424	3
CODS 441	3 CODS 442	3
PSYC 200 (strongly recommended Behavioral Science Core Curriculum course) <sup>1</sup>	3 ENGL 313	3
	KNES Activity (see Core Curriculum)	1
	Writing Competency Requirement ( <a href="https://catalog.biola.edu/academic-policies/undergraduate-requirements-policies/#WritingCompetencyRequirement">https://catalog.biola.edu/academic-policies/undergraduate-requirements-policies/#WritingCompetencyRequirement</a> )	
	Graduation Application due in Registrar's Office	
	<b>15</b>	<b>16</b>
<b>Fourth Year</b>		
<b>Fall</b>	<b>Credits Spring</b>	<b>Credits</b>
BBST 300/400 Bible Elective	3 BBST 300/400 Bible Elective	3
CODS 418	3 BBST 465	3
CODS 429	1 CODS 429	1
CODS 444	3 CODS 432	3
Literature (see Core Curriculum)	3 CODS 466	3

Philosophy (see Core Curriculum)	3 HIST 200, 201, or POSC 225	3
<b>16</b>		<b>16</b>

**Total Credits 127**

<sup>1</sup> PSYC 200, ASLG, MATH 210, BIOS 100, and PHSC 101 are necessary courses for graduate school. Please see your faculty advisor for more information.

- 25 hours of observation are required.
- All majors must achieve a minimum grade of C in all major courses taken at Biola.

## Communication Sciences and Disorders, B.S. (Accelerated)

### First Year

Fall	Credits Spring	Credits Summer	Credits
ASLG 100 (strongly recommended Foreign Language Core Curriculum course) <sup>1</sup>	4 BBST 165	3 BBST 209	3
BBST 103	3 CODS 324	3 BBST 210	3
BIOS 100 (strongly recommended Science Core Curriculum course) <sup>1</sup>	3 CODS 325	3 Fine Arts (see Core Curriculum)	3
CODS 210	3 KNES 107	1 Literature (see Core Curriculum)	3
ENGL 112	3 PHSC 101 (strongly recommended Science Core Curriculum course) <sup>1</sup>	4	
GNST 102	1 PSYC 200 (strongly recommended Behavioral Science Core Curriculum course) <sup>1</sup>	3	
<b>17</b>		<b>17</b>	<b>12</b>

**Total Credits 46**

### Second Year

Fall	Credits Spring	Credits Summer	Credits
BBST 251	3 BBST 354	3 BBST 300/400 Bible Elective	3
CODS 318	3 CODS 332	3 HIST 200, 201, or POSC 225	3
CODS 321	3 CODS 439	3 Communication (see Core Curriculum)	3
CODS 328	3 CODS 442	3 Philosophy (see Core Curriculum)	3
CODS 331	3 ENGL 313	3	

CODS 441	3 MATH 210 (strongly recommended Mathematics Core Curriculum course) <sup>1</sup>	3
<b>18</b>		<b>18</b>

Writing Competency Requirement (https://catalog.biola.edu/academic-policies/undergraduate-requirements-policies/#WritingCompetencyRequirement)

**Total Credits 48**

### Third Year

Fall	Credits Spring	Credits
BBST 365	3 BBST 465	3
BBST 300/400 Elective	3 CODS 422	3
CODS 418	3 CODS 424	3
CODS 425	3 CODS 429	2
CODS 444	3 CODS 432	3
PSYC 320	3 CODS 466	3
25 Observation Hours	KNES Activity (see Core Curriculum)	1
<b>18</b>		<b>18</b>

**Total Credits 36**

### Fourth Year

Fall	Credits Spring	Credits Summer	Credits
MSLP 530	2 MSLP 535	3 MSLP 540	3
MSLP 531	4 MSLP 536	3 MSLP 541	3
MSLP 532	1 MSLP 537	3 MSLP 542	2
MSLP 533	3 MSLP 538	3 MSLP 544	2
MSLP 534	3 MSLP 602	1 MSLP 546	3
MSLP 549	2	MSLP 603	1
MSLP 601	3		
<b>18</b>		<b>13</b>	<b>14</b>

**Total Credits 45**

### Fifth Year

Fall	Credits Spring	Credits
MSLP 539	1 MSLP 548	3
MSLP 543	1 MSLP 550	3
MSLP 545	1 MSLP 604 or 605	3
MSLP 547	3	
MSLP 604 or 605	3	
<b>9</b>		<b>9</b>

**Total Credits 18**

<sup>1</sup> PSYC 200, ASLG, MATH 210, BIOS 100, and PHSC 101 are necessary courses for graduate school. Please see your faculty advisor for more information.

- All majors must achieve a minimum grade of C in all major courses taken at Biola.

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**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.

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## Communication Sciences and Disorders, B.S.

First Year		
Fall	Credits Spring	Credits
HNRS 101	4 HNRS 105	4
HNRS 102	4 HNRS 106	4
CODS 210	3 BIOS 100 (strongly recommended Science Core Curriculum course) <sup>1</sup>	3
GNST 102	1 CODS 325	3
PSYC 200 <sup>1</sup>	3 Foreign Language (ASLG strongly recommended) <sup>1</sup>	4
	<b>15</b>	<b>18</b>
Second Year		
Fall	Credits Spring	Credits
HNRS 210	4 HNRS 230	4
HNRS 215	4 HNRS 231	4
CODS 318	3 CODS 324	3
CODS 321	3 CODS 332	3
CODS 331	3 CODS 439	3
KNES Activity (see Core Curriculum)	1 KNES 107	1
	<b>18</b>	<b>18</b>
Third Year		
Fall	Credits Spring	Credits
HNRS 324	4 HNRS 337	4
HNRS 326	2 HNRS 339	2
CODS 328	3 CODS 425	3
CODS 441	3 CODS 442	3
MATH 210 (strongly recommended Mathematics Core Curriculum course) <sup>1</sup>	3 PHSC 101 (strongly recommended Science Core Curriculum course) <sup>1</sup>	4
Writing Competency Requirement ( <a href="https://catalog.biola.edu/academic-policies/undergraduate-requirements-policies/#WritingCompetencyRequiremer">https://catalog.biola.edu/academic-policies/undergraduate-requirements-policies/#WritingCompetencyRequiremer</a> )		
	<b>15</b>	<b>16</b>
Fourth Year		
Fall	Credits Spring	Credits
HNRS 443	4 HNRS 458	4
BBST 465	3 CODS 422	3
CODS 418	3 CODS 429	1
CODS 424	3 CODS 432	3
CODS 429	1 CODS 466	3

CODS 444	3 PSYC 320	3
	<b>17</b>	<b>17</b>

**Total Credits 134**

<sup>1</sup> PSYC 200, ASLG, MATH 210, BIOS 100, and PHSC 101 are necessary courses for graduate school. Please see your faculty advisor for more information.