

Lewis University

B.S. in CSD



Available this Fall 2023!

- The B.S. in CSD degree provides accelerated pathways to the M.S. in SLP degree at Lewis
- Take 1 or 2 semesters off your timeline to practicing as an SLP!

Curriculum Map: Traditional Pathway to MSSLP
Bachelor of Science, Communication Sciences and Disorders (B.S. in CSD)

FRESHMAN YEAR			
FALL SEMESTER	CR	SPRING SEMESTER	CR
PHIL 11000 - Intro Philosophy	3	COMM 11200- Intro to Human Communication	3
BIOL 10101 - Human Anatomy and Physiology I (Bio-ASHA elective)	4	BIOL 10301 - Human Anatomy and Physiology II	4
BIOL 10201 - Human Anatomy and Physiology I Lab (Bio-ASHA elective)	1	BIOL 10401 - Human Anatomy and Physiology II Lab	1
ENGL 11100 – College Writing I	3	ENGL 11200 College Writing II	3
UNIV 10100 – Cornerstone Seminar *	1	CSDS 20000- Intro to Speech-Language Pathology	3
PSYC 10000 - General Psychology	3	HIST 10200 – Global History and Culture 2	3
TOTAL	15	TOTAL	17
SOPHOMORE YEAR			
FALL SEMESTER	CR	SPRING SEMESTER	CR
CHEM 10500 – Intro Organic & Biochemistry (chem/physics ASHA elective)	3	Appreciating the Aesthetic (choice)	3
ECON 20000 – Basic Macroeconomics	3	Globalization (choice)	3
SOCI 29000 – Diversity & Social Justice	3	PSYC 21300-Lifespan Development / Elective	3
CSDS 21000 – Intro to Audiology	3	CSDS 42000 Aural Rehabilitation	3
CSDS 31000 – Anatomy & Physiology of Speech, Hearing, & Swallowing	3	CSDS 40000 – Sci Foundations of Speech and Hearing	3
		PSYC 21100 – Child Development (Social Science – ASHA elective)	3
TOTAL	15	TOTAL	18
JUNIOR YEAR			
FALL SEMESTER	CR	SPRING SEMESTER	CR
PSYC 30300 – Stats for Social Sciences/ stats elective	3	UNIV XXXXX- Interdisciplinary Seminar (choice)	3
PHIL 33000 - Ethics	3	English (Literature choice)	3
PSYC 32500- Abnormal Child Psychology / Elective	3	Elective	3
CSDS 32000 - Clinical Telepractice/ other CSD elective	3	CSDS 41000 - Speech, Language, & Swallowing Development	3
CSDS 30000 – Phonetics	3	CSDS 45300 - Guided Clinical Observation	2
CSDS 40100 – Neuroscience for SLPs	3	CSDS 45000 – Ethics of Clinical Practice	1
TOTAL	18	TOTAL	15
SENIOR YEAR			
FALL SEMESTER	CR	SPRING SEMESTER	CR
CSDS 45100 – Clin Meth I: Prevention & Diagnosis	3	CSDS 45200- Clin Methods II: Ev-Based Treatment Planning	3
CSDS 43000 – Research Methods in SLP	3	CSDS 51200- Autism & Social Comm/other CSDS elective	3
CSDS 60200 – Augmentative/Alt Comm/ CSDS elective	3	CSDS 49000 Clinical Practicum	6
SPED 20200 – Sign Language I/Other CSDS elective)	3	SPED 20300 – Sign Language II / Other CSDS elective	3
Elective	3		
TOTAL	15	TOTAL	15

***128 hours, as shown

University Requirements for Bachelor's degree

Electives required by ASHA for admission to grad program in SLP

BS in CSD degree requirements

Electives of choice

Curriculum Map: Pathway to Accelerated MSSLP
Bachelor of Science, Communication Sciences and Disorders (B.S. in CSD)
Requires Program Approval

FRESHMAN YEAR			
FALL SEMESTER	CR	SPRING SEMESTER	CR
PHIL 11000 - Intro Philosophy	3	COMM 11200- Intro to Human Communication	3
BIOL 10101 - Human Anatomy and Physiology I (Bio-ASHA elective)	4	BIOL 10301 - Human Anatomy and Physiology II	4
BIOL 10201 - Human Anatomy and Physiology I Lab (Bio-ASHA elective)	1	BIOL 10401 - Human Anatomy and Physiology II Lab	1
ENGL 11100 – College Writing I	3	ENGL 11200 College Writing II	3
UNIV 10100 – Cornerstone Seminar *	1	CSDS 20000- Intro to Speech-Language Pathology	3
PSYC 10000 - General Psychology	3	HIST 10200 – Global History and Culture 2	3
TOTAL	15	TOTAL	17
SOPHOMORE YEAR			
FALL SEMESTER	CR	SPRING SEMESTER	CR
CHEM 10500 – Intro Organic & Biochemistry (chem/physics ASHA elective)	3	Appreciating the Aesthetic (choice)	3
ECON 20000 – Basic Macroeconomics	3	Globalization (choice)	3
SOCI 29000 – Diversity & Social Justice	3	PSYC 21300-Lifespan Development / Elective	3
CSDS 21000 – Intro to Audiology	3	CSDS 42000 Aural Rehabilitation	3
CSDS 31000 – Anatomy & Physiology of Speech, Hearing, & Swallowing	3	CSDS 40000 – Sci Foundations of Speech and Hearing	3
		PSYC 21100 – Child Development (Social Science – ASHA elective)	3
TOTAL	15	TOTAL	18
JUNIOR YEAR			
FALL SEMESTER	CR	SPRING SEMESTER	CR
PSYC 30300 – Stats for Social Sciences/ stats ASHA elective	3	UNIV XXXXX- Interdisciplinary Seminar (choice)	3
PHIL 33000 - Ethics	3	English (Literature choice)	3
PSYC 32500- Abnormal Child Psychology / Elective	3	SPED/CSDS Elective	3
SPED/CSDS Elective	3	CSDS 41000 - Speech, Language, & Swallowing Development	3
CSDS 30000 – Phonetics	3	CSDS 45300 - Guided Clinical Observation	2
CSDS 40100 – Neuroscience for SLPs	3	CSDS 45000 – Ethics of Clinical Practice	1
TOTAL	18	TOTAL	15
SENIOR YEAR			
FALL SEMESTER	CR	SPRING SEMESTER	CR
CSDS 45100 – Clin Meth I: Prevention & Diagnosis	3	CSDS 45200- Clin Methods II: Ev-Based Treatment Planning	3
CSDS 43000 – Research Methods in SLP	3	CSDS 50600 –Child Lang Disorders: School-Age and Adol	3
CSDS 60200 – Augmentative & Alternative Comm	3	CSDS 51200 --Autism and Social Comm Disorders	3
CSDS 50400 -Speech Sound Disorders	3	CSDS 49000 Clinical Practicum	6
CSDS 50800 -Aphasia	3		
TOTAL	15	TOTAL	15

***128 hours, as shown

University Requirements for Bachelor's degree

Electives required by ASHA for admission to grad program in SLP

BS in CSD degree requirements- accelerated pathway to MSSLP

Electives of choice

B.S. in CSD: Pathway to Traditional MSSLP	B.S. in CSD: Pathway to Accelerated MSSLP
<ul style="list-style-type: none"> • 48 credit hours in CSD major 	<ul style="list-style-type: none"> • 63 credit hours in CSD major
<ul style="list-style-type: none"> • 128 total credits 	<ul style="list-style-type: none"> • 128 total credits
MSSLP program: 5 semesters	MSSLP program: 4 semesters

B.S. to CSD Degree Requirements: Traditional MSSLP

I. CSDS Core Courses (Required for degree: 42 hours)

- CSDS 20000 Intro to Speech-Language Pathology (3)
- CSDS 21000 Intro to Audiology (3)
- CSDS 30000 Phonetics (3)
- CSDS 31000 Anatomy & Physiology of Speech, Hearing and Swallowing (3)
- CSDS 40000 Scientific Foundations of Speech and Hearing (3)
- CSDS 40100 Neuroscience for SLPs (3)
- CSDS 41000 Speech, Language and Swallowing Development (3)
- CSDS 42000 Aural Rehabilitation (3)
- CSDS 43000 Research Methods in SLP (3)
- CSDS 45000 Ethics of Clinical Practice (1)
- CSDS 45100 Clinical Methods I: Prevention and Diagnosis (3)
- CSDS 45200 Clinical Methods II: Evidence-based Treatment Planning (3)
- CSDS 45300 Guided Clinical Observation (2)
- CSDS 49000 Clinical Practicum (6)

II. CSDS/SPED Elective Courses (Required for Traditional pathway: 6 hours)

- SPED 20200 Sign Language I (3)
- SPED 20300 Sign Language II (3)
- CSDS 32000 Clinical Telepractice (3)
- CSDS 51200 Autism and Social Communication (3)
- CSDS 60200 Augmentative and Alternative Communication (3)

III. General Education Courses (required for graduate admission; need grade of C or better)

A. Biological Sciences

(1 course of choice; if course requires a lab, must take course + lab. Additional courses options are available; please confirm with CSD program that your chosen course meets this ASHA requirement.)

- BIOL 10100 Anatomy and Physiology 1 (4)
- BIOL 10200 A&P Lab (1)
- BIOL 11000 General Biology (4)
- BIOL 11100 General Bio Lab (1)
- BIOL 10700 Human Heredity (3)

B. Social Sciences

(1 course of choice; Additional courses options are available; please confirm with CSD program that your chosen course meets this ASHA requirement.)

PSYC 21100 Child Development (3)
PSYC 21200 Adolescent Development (3)
PSYC 21300 Lifespan Development (3)
PSYC 21500 Adult Development (3)
PSYC 32000 Abnormal Psychology (3)
PSYC 32500 Abnormal Child Psychology (3)

C. Physical Sciences (1 course of choice in Chemistry or Physics)

(1 course of choice; if course requires a lab, must take course + lab. Additional courses options are available; please confirm with CSD program that your chosen course meets this ASHA requirement.)

CHEM 10500 Introductory Organic and Biochemistry (3)
CHEM 106XX Topics in Chemistry (3)
PHYS 10000 Elementary Laboratory Physics (3)
PHYS 106XX Topics in Physical Science (3)

D. Statistics

(1 stand-alone course in statistics; Additional courses options are available; please confirm with CSD program that your chosen course meets this ASHA requirement.)

PSYC 30300 Statistics for Social Sciences (3)

B.S. to CSD Degree Requirements: Fast-Track MSSLP

I. CSDS Core Courses (Required for degree: 57 hours)

- CSDS 20000 Intro to Speech-Language Pathology (3)
- CSDS 21000 Intro to Audiology (3)
- CSDS 30000 Phonetics (3)
- CSDS 31000 Anatomy & Physiology of Speech, Hearing and Swallowing (3)
- CSDS 40000 Scientific Foundations of Speech and Hearing (3)
- CSDS 40100 Neuroscience for SLPs (3)
- CSDS 41000 Speech, Language and Swallowing Development (3)
- CSDS 42000 Aural Rehabilitation (3)
- CSDS 43000 Research Methods in SLP (3)
- CSDS 45000 Ethics of Clinical Practice (1)
- CSDS 45100 Clinical Methods I: Prevention and Diagnosis (3)
- CSDS 45200 Clinical Methods II: Evidence-based Treatment Planning (3)
- CSDS 45300 Guided Clinical Observation (2)
- CSDS 49000 Clinical Practicum (6)
- CSDS 50400 Speech Sound Disorders (3)
- CSDS 50600 Child Language Disorders: School-Age and Adolescence (3)
- CSDS 50800 Adult Language Disorders: Aphasia (3)
- CSDS 51200 Autism and Social Communication (3)
- CSDS 60200 Augmentative and Alternative Communication (3)

II. CSDS/SPED Elective Courses (Required for Traditional pathway: 6 hours)

- SPED 20200 Sign Language I (3)
- SPED 20300 Sign Language II (3)
- CSDS 32000 Clinical Telepractice (3)

III. General Education Courses (required for graduate admission; need grade of C or better)

A. Biological Sciences

(1 course of choice; if course requires a lab, must take course + lab. Additional courses options are available; please confirm with CSD program that your chosen course meets this ASHA requirement.)

- BIOL 10100 Anatomy and Physiology 1 (4)
- BIOL 10200 A&P Lab (1)
- BIOL 11000 General Biology (4)
- BIOL 11100 General Bio Lab (1)
- BIOL 10700 Human Heredity (3)

B. Social Sciences

(1 course of choice; Additional courses options are available; please confirm with CSD program that your chosen course meets this ASHA requirement.)

PSYC 21100 Child Development (3)
PSYC 21200 Adolescent Development (3)
PSYC 21300 Lifespan Development (3)
PSYC 21500 Adult Development (3)
PSYC 32000 Abnormal Psychology (3)
PSYC 32500 Abnormal Child Psychology (3)

C. Physical Sciences (1 course of choice in Chemistry or Physics)

(1 course of choice; if course requires a lab, must take course + lab. Additional courses options are available; please confirm with CSD program that your chosen course meets this ASHA requirement.)

CHEM 10500 Introductory Organic and Biochemistry (3)
CHEM 106XX Topics in Chemistry (3)
PHYS 10000 Elementary Laboratory Physics (3)
PHYS 106XX Topics in Physical Science (3)

D. Statistics

(1 stand-alone course in statistics; Additional courses options are available; please confirm with CSD program that your chosen course meets this ASHA requirement.)

PSYC 30300 Statistics for Social Sciences (3)

Communication Sciences and Disorders (CSDS)

COURSE DESCRIPTIONS

CSDS 20000 Introduction to Speech-Language Pathology (3)

Introduces students to the role of speech-language pathologists (SLP) in education, healthcare, and private clinic settings. Covers the nine disorder areas that speech-language pathologists are prepared to address, including disorders of articulation, receptive and expressive language, voice, fluency, social communication, cognition, aural rehabilitation, augmentative/alternative communication, and swallowing. Designed to help learners explore the knowledge and skills needed to become a SLP.

CSDS 21000 Intro to Audiology (3)

Introduces students to audiological principles and practices. Students learn the scope of practice for clinical audiologists, and explore the course of training for those professionals who diagnose and treat hearing disorders in people of all ages. Additionally, students learn to conduct hearing screenings and make necessary referrals for diagnostic assessment. The basics of hearing instrumentation and testing are covered.

CSDS 30000 Phonetics (3)

Phonetic transcription is a skill used by speech-language pathologists to record and analyze the speech production abilities of their clients. It is used when gathering speech samples of individual clients over time, to evaluate whether they demonstrate a speech articulation disorder or a dialectal difference, and to monitor progress of clients in intervention. Students learn to transcribe speech samples using the International Phonetic Alphabet (IPA), and apply this skill to evaluation of speech articulation.

CSDS 31000 Anatomy & Physiology of Speech, Hearing and Swallowing (3)

A review of anatomical structures of the head, neck and ear; and the physiology of speech production, hearing and swallowing. Designed for students who are preparing for a career in speech-language pathology or audiology.

CSDS 32000 Clinical Telepractice (3)

Most SLPs deliver services in face-to-face sessions with their clients; however, with the need to turn to tele-practice as a service modality more often every day, this course will review the unique therapy strategies and digital materials employed in teletherapy.

Elective

CSDS 40000 Scientific Foundations of Speech and Hearing (3)

Covers the physical properties of sound, including how it is generated, received, and interpreted by humans. The importance of environmental and linguistic sounds in the human experience are explored. Learners also discover the dynamic interplay of respiration, phonation, articulation and resonance that results in human speech.

CSDS 40100 Neuroscience for SLPs (3)

Introduces the neuroanatomical and neurophysiological bases of attention, learning, memory, communication, and emotion. Beginning with an orientation to brain structures, students practice making clinical connections and learn to associate symptoms of neurological disease and injury with sites of lesion. They will be able to explain the neurological bases of communication and swallowing disorders. Human brain dissection labs are incorporated.

CSDS 41000 Speech, Language and Swallowing Development (3)

Human infants are born with reflexive feeding instincts that allow for their survival and ability to thrive. Students explore the evolution of successful feeding and swallowing in children and babies as they explore the amazing journey toward communicative competence including the evolution of articulate speech patterns, and receptive and expressive language. The roles of early literacy experiences in the development of oral and written language are outlined, as well.

CSDS 42000 Aural Rehabilitation (3)

Students examine methods for assessing and treating communication disorders associated with hearing impairment in children and adults. Basics of hearing screening are reviewed as students learn when to refer a client for audiometric assessment by an audiologist.

CSDS 43000/SLPA 53000 Research Methods in SLP (3)

A review of foundational research concepts, single subject and group research design, and common methods of data analysis used in the field of speech-language pathology. Students learn to critically read and analyze research manuscripts as they begin to apply knowledge of research methods by designing a research study similar to the one they will implement for their first capstone experience.

CSDS 45000/SLPA 55000 Ethics of Clinical Practice (1)

Review of the ASHA Code of Ethics as it pertains to speech-language pathology practice. Current ethical issues confronting SLPs are discussed in consideration of best practice recommendations.

CSDS 45100/SLPA 55100 Clinical Methods I: Prevention and Diagnosis (3)

Students learn how to screen for communication and hearing problems in children and adults, and how to plan diagnostic assessments for individuals with suspected communication disorders. Students interact with a variety of evaluation tools used for evaluation of speech, language, social and cognitive abilities.

CSDS 45200/SLPA 55200 Clinical Methods II: Evidence-Based Treatment Planning (3)

Provides students experience in treatment planning for children and adults with identified communication disorders, including deficits in speech, language, social and cognitive skills. Students learn to apply evidence-based methods for each client, considering available scientific support for methods chosen, family preferences for treatment methods, and their own clinical experiences when making treatment recommendations.

CSDS 45300 Guided Clinical Observation (2)

Students will complete at least 25 hours of observation of licensed, certified speech-language pathologists conducting assessment or treatment of clients with communication or swallowing disorders. They will discuss the methods used by the clinician, the outcomes of each session and the implications for further services with a clinical supervisor who specializes in clinical debriefs. This is a course for students who have not met ASHA's requirement of 25 observation hours prior to clinical practicum.

CSDS 49000 Clinical Practicum (6)

Students gain clinical experience in one of a variety of clinical SLP settings. All experiences are supervised by licensed and certified SLPs, and students can gain up to 50 hours of supervised clinical experience in this course. The expectation is that students provide services to clients two days per week during this experience.

Prerequisite: CSDS 45300 Guided Clinical Observation (2)

CSDS/SLPA 50400 Speech Sound Disorders (3)

Covers articulation and phonological disorders that impact speech production in children. Students learn how to assess and treat speech sound disorders. Featured learning activities include transcription and analysis of speech samples, standardized testing, and intervention planning specific to individual cases.

CSDS/SLPA 50600 Child Language Disorders: School-Age and Adolescence (3)

Students will learn methods for prevention, identification, assessment and intervention of language disorders in school-age children and adolescents. Highlights include experiences with language sample analysis, other authentic classroom-based assessments, standardized testing, and treatment planning.

CSDS/SLPA 50800 Adult Language Disorders: Aphasia (3)

Examines the communication disorders (aphasias) that result from stroke. Students gain experience with informal and formal testing, and treatment planning relative to individual cases. Cognitive, linguistic and social aspects of aphasia are considered.

CSDS/SLPA 51200 Autism and Social Communication (3)

Autism is a common condition that makes effective communication and social behavior challenging for children and adults. People with autism vary widely in their social communication abilities, including verbal and nonverbal skills. Students review the development of social communication competence, and how to assess and treat deficits that often occur in individuals with autism and other disorders.

CSDS/SLPA 60200 Augmentative and Alternative Communication (3)

Students learn to adapt communication modalities to address the needs of individuals with severe communication, sensory and/or physical disabilities. Various augmentative or alternative communication (AAC) techniques will be covered, including no-tech, low-tech, and dedicated communication devices. The benefits of an interdisciplinary, team-based approach to assessment and intervention will be reviewed, with classes instructed by physical and/or occupational therapists and educators.

Special Education Electives

SPED 20200 Sign Language I (3)

This course covers the development of receptive and expressive skills in sign language and fingerspelling. Manual communication skills that are used in educational and social settings are emphasized. Deaf culture and community characteristics are discussed.

SPED 20300 Sign Language II (3)

This course is designed to follow-up and expand on those signs taught in Sign Language 1. Candidates are expected (following review) to be able to fluently use fingerspelling, numbers and other basic signs as well as demonstrate a certain level of precision and fluency. Extensions of deaf culture and school issues will be covered.

Changed per Registrar – May 2023