

Curriculum in Speech, Language, and Hearing Sciences Leading to

## BACHELOR OF SCIENCE DEGREE

### The Field

The Bachelor's of Science degree in Speech, Language, and Hearing Sciences prepares students to become advocates for communication health and equity. Many of our students go on to graduate study in speech-language pathology or audiology, professions responsible for evaluation and treatment of individuals whose communication is atypical or to careers as paraprofessional assistants to Speech-language pathologists or audiologists. The profession also engages in research designed to improve understanding of speech, language, and hearing and the efficacy of treatments for atypical communication.

The major welcomes students with an enthusiasm for communication health and equity, and with empathy for those with atypical communication. The undergraduate program consists of education in the scientific bases of the field, typical and atypical processes of communication, and an introduction to the clinical processes of evaluation, diagnosis, treatment, and counseling. The curriculum does not provide students with all of the necessary competencies that allow for employment within the professions of Speech/Language Pathology or Audiology. Clinical skills are developed mainly in graduate schools.

### The Major

1. Required Courses in the Department of Speech, Language, and Hearing Sciences (40 credits)

SLHS 100	Introduction to Speech, Language, and Hearing Sciences (DU SB)
SLHS 211	Anatomy and Physiology of the Speech and Hearing Mechanism
SLHS 212	Neuroscience for Speech, Language, and Hearing
SLHS 213	Phonetic Processing
SLHS 214	Introduction to Hearing Science
SLHS 215	Introduction to Language Science
SLHS 301	Speech and Language Development (IE)
SLHS 312	Introduction to Speech Science
SLHS 313	Introduction to Audiology
SLHS 316	Introduction to Aural Rehabilitation
SLHS 330	Junior Year Writing
SLHS 415	Speech and Language Disorders

Additionally, one elective from among departmental offerings (3 credits)

Frequent offerings include:

SLHS 398	Practicum-Internship
SLHS 420	Clinical Observations
SLHS 490M	Multiculturalism in Speech, Language, and Hearing Sciences
SLHS 530	Neurological Substrates & Neuropathologies of Language, Speech, & Hearing
SLHS 570	Research in Speech, Language, and Hearing Sciences
SLHS 580	Cognitive Bases of Language
SLHS 591D	Treatment Technologies
SLHS 591E	Speech-Language Pathology Assistants in the Schools
SLHS 490P	Public Health Approaches to SLHS

## 2. Other Required Courses (14-16 credits)

SPHHS 150 Great Challenges in Public Health and Health Sciences (DU SB)

PHYSICS 114 Physics of Sound

HUMDEV 270 Human Development

OR

PSYCH 350 Developmental Psychology

A statistics course from among the following (others may be accepted at discretion of department)

Statistics 111 Elementary Statistics (R1, R2)

Statistics 240 Introduction to Statistics (R1, R2)

PSYCH 240 Statistics in Psychology (R2)

SOC 212 Elementary Statistics (R2)

ResEcon 212 Intro. Stats/Life or Soc Sci (R1, R2)

EDUC 240 Intro. To Educational Statistics (R2)

## Additional Recommendations

The American Speech-Language Hearing Association (ASHA), who accredits programs and certifies speech-language pathologists and audiologists, requires general education distribution coursework for pre-speech-language pathology students. Information can be found here:

<https://www.asha.org/certification/course-content-areas-for-slp-standards/>.

Three of these requirements, Physics, Statistics, and Social Science (Public Health) are already met by our major curriculum. The fourth requirement is in Biological Science, which is required by the general education curriculum at UMass.

## Sequence of Curriculum

The department's curriculum should be taken in the prescribed sequence indicated below.

Students are strongly advised to consult the academic advisor about the content and sequence of their curriculum, especially where the choice and sequencing of electives are concerned, or for those planning a study abroad.

### First Year

SPHHS 150: Great Challenges in Public Health and Health Sciences (Fall or Spring)

SLHS 100: Introduction to Speech, Language, and Hearing Sciences (Fall or Spring)

Human Development 270: Human Development or Psych 350: Developmental Psychology (Fall or Spring)

Statistics (Fall or Spring)

### Sophomore Fall

SLHS 211: Anatomy & Physiology for SLHS

SLHS 215: Intro to Language Science

Physics 114: Theory of Sound

### Sophomore Spring

SLHS 212: Neuroscience for SLHS

SLHS 213: Phonetic Processing

SLHS 214 Intro to Hearing Science

### Junior Fall

SLHS 301: Speech and Language Development

SLHS 313: Intro to Audiology

SLHS 330: Junior Year Writing (Fall or Spring)

### Junior Spring

SLHS 312: Intro to Speech Science

SLHS 316: Intro to Aural Rehabilitation

### Senior Fall

SLHS 415: Speech and Language Disorders

SLHS elective numbered 398 or above