

**Preparatory Program of Study Required by the American Speech-Language-Hearing Association (ASHA) Leading to Speech-Language Pathology Certification  
(based on ASHA 2014 SLP Certification Standards)**

**Standard IV-A: The applicant must have demonstrated knowledge of the biological sciences, physical sciences, statistics, and the social/behavioral sciences.**

*Implementation: Acceptable courses in biological sciences should emphasize a content area related to human or animal sciences (e.g., biology, human anatomy and physiology, neuroanatomy and neurophysiology, human genetics, veterinary science). Acceptable courses in physical sciences should include physics or chemistry. Acceptable courses in social/behavioral sciences should include psychology, sociology, anthropology, or public health. A stand-alone course in statistics is required. Research methodology courses in communication sciences and disorders (CSD) may not be used to satisfy the statistics requirement. A course in biological and physical sciences specifically related to CSD may not be applied for certification purposes to this category unless the course fulfills a university requirement in one of these areas.*

The following are examples of UNC-CH courses that fulfill ASHA's requirements for **biological sciences, physical sciences, statistics, and social/behavioral sciences**.

**Biological sciences:** any BIOL course (lab not required)

**Physical sciences:** any PHYS or CHEM course (lab not required)

**Statistics:** STOR 155 Intro to Statistics or PSYC 210 Statistical Principles of Psychological Research

**Social/Behavioral Sciences:** any PSYC or SOCI or ANTH or PUBH course

**Standard IV-B: The applicant must have demonstrated knowledge of basic human communication and swallowing processes, including the appropriate biological, neurological, acoustic, psychological, developmental, and linguistic and cultural bases.** The applicant must have demonstrated the ability to integrate information pertaining to normal and abnormal human development across the life span.

The following are examples of courses that address Standard IV-B. **ALL SPHS courses listed are required for the Minor in Communication Sciences and Disorders.**

**Biological & Neurological:** SPHS 570 Anatomy & Physiology Speech/Hearing includes neurological bases of human communication and swallowing processes. Graduate programs (including UNC-CH) may require additional graduate level coursework in neuroanatomy.

**Acoustic:** SPHS 582 Intro to Audiology; SPHS 540 Speech Science

**Psychological & Developmental:** LING 203 Language Acquisition and Development strongly recommended; PSYC 250 Child Development recommended

**Linguistic:** SPHS 530 Intro to Phonetics; LING 101 Intro to Linguistics recommended

**Cultural:** SPHS 583 Intro to Speech-Language Pathology and Audiology

**Students should contact the graduate programs where they intend to apply, to obtain information regarding undergraduate course requirements specific to those universities.**