**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.

Course offerings through different program vary; a single course may meet more than one area, or an area may be covered by more than one course.

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|  | course prefix and number (e.g., BIO 101) | course name as stated on transcript | institution and term/year taken | *department confirmation* |
| **anatomy/physiology of speech and hearing** | SPHR 371  SPHR 487 | Anatomy and Physiology of Speech and Swallowing  Hearing Sciences | Portland State Univ (PSU) Fall 2023  PSU Fall 2024 |  |
| **neuroanatomy/neurophysiology of speech/language/hearing\*\*** | SPHR 461 | Neurology of Speech and Hearing | PSU Winter 2024 |  |
| **acoustics** (speech and/or hearing science) | SPHR 370 | Phonetics and Acoustics | PSU Spring 2024 |  |
| **phonetics** | SPHR 370 | Phonetics and Acoustics | PSU Spring 2024 |  |
| **normal speech and language development** | SPHR 372U | Speech and Language Development in Children | PSU Fall 2023 |  |

\*\*Note: a stand-alone course or one with heavy emphasis in neuroanatomy/neurophysiology is required; a course in neurological disorders does not meet the requirement.

**Standard IV-C.** The applicant must have demonstrated knowledge of communication and swallowing disorders and differences, including the appropriate etiologies, characteristics, anatomical/physiological, acoustic, psychological, developmental, and linguistic and cultural correlates.

**Hearing**, including the impact on speech and language:

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  | course prefix and number (e.g., BIO 101) | course name as stated on transcript | institution and term/year taken | *department confirmation* |
| **etiology/characteristics – disorders of the ear** | SPHR 487 | Hearing Sciences | PSU Fall 2024 |  |
| **hearing assessment and habilitation/ rehabilitation** | SPHR 488  SPHR 498 | Clinical Audiology  Aural Rehabilitation | PSU Winter 2025  PSU Spring 2025 |  |