

## Rehab Sci Speech Therapy

### **RST 521 Advanced Speech Science 3 cr**

This survey course covers physical and acoustic properties of speech perception and speech production. Instrumental measurement and analysis of the physical and acoustic properties of speech perception and production will be addressed.

### **RST 535 Pediat Speech & Lang Disorders 3 cr**

This survey course covers terminology, assessment and intervention for children from birth to age 21 years who present with spoken and written language disorders, including language impairment associated with other developmental disabilities, in particular, autism spectrum disorders. Additionally, one unit is speech therapy services for children and adults who present with fluency disorders/stuttering.

### **RST 540 Clinical Phonetics 2 cr**

This course will study the dynamics of speech sound production, and provide the knowledge and skills for transcription and analysis of normal and disordered sound production.

### **RST 541 Ped Sp Sound Disorders 2 cr**

Study of speech-sound production in children emphasizing disorders with organic (including cleft/resonance) and functional bases (i.e., phonological impairments) and childhood apraxia of speech. In addition to addressing the assessment and treatment of pediatric speech sound disorders, students acquire knowledge of speech perception, production, and typical acquisition for English speakers and crosslinguistically.

### **RST 551 Voice and Resonance Disorders 3 cr**

This course focuses on the study of normal mechanisms, etiologies, pathologies, symptoms, diagnostic processes, and treatment methodologies associated with voice and resonance disorders across the lifespan.

### **RST 565 Neuromotor Disorders of Comm 3 cr**

This course will address neuroanatomy and neurophysiology of structures responsible for speech production. Students will learn how to assess and manage motor speech disorders. This course counts toward the Rehabilitation Sciences in Speech-Language Pathology Master's degree but does not count toward the Master of Science in Speech-Language Pathology degree.

### **RST 566 Aphasia & Neuro Lang Disorders 3 cr**

This course will provide the requisite knowledge for understanding, assessing, and treating language impairments associated with damage to the left or right hemisphere. Specifically, students will learn about the neural substrates for language; language assessment principles and procedures; and the nature and treatment of aphasia and right hemisphere disorders. This course counts toward the Rehabilitation Sciences in Speech-Language Pathology Master's degree but does not count toward the Master of Science in Speech-Language Pathology degree.

### **RST 567 Acq Cognitive Comm Disorders 2 cr**

This course will provide the requisite knowledge for understanding, assessing, and treating cognitive-communication impairments in adults with acquired cognitive-communication disorders. Specifically, students will learn about the neural substrates for cognition; cognitive assessment principles and procedures; and the nature and treatment of disorders such as traumatic brain injury and dementia. This course counts toward the Rehabilitation Sciences in Speech-Language Pathology Master's degree but does not count toward the Master of Science in Speech-Language Pathology degree.

### **RST 568 Dysphagia 3 cr**

This course will address healthy and disordered swallowing function across the lifespan. Students will learn anatomy and physiology of the swallow mechanism, how to assess swallowing function, and how to manage swallowing disorders. This course counts toward the Rehabilitation Sciences in Speech-Language Pathology Master's degree but does not count toward the Master of Science in Speech-Language Pathology degree.

### **RST 580 Clinical Methods & Observation 1 TO 3 cr**

Introduction to the clinical setting for persons interested in working with individuals with communication impairments but who will not be seeking ASHA certification. Instrumentation, procedures and approaches to assessment and intervention will be discussed. General guidelines for developing goals and treatment plans will be assessed through written documentation submission. Observation of clients with communication and swallowing disorders, both in the clinical setting and online is a primary part of this course.

### **RST 588 Audiology for Speech-Lang Path 3 cr**

This interprofessional education (IPE) course will address the foundational knowledge and skills necessary for members of interprofessional healthcare teams working with individuals with communication disorders. Scope of practice, screenings across the life span, referrals, report literacy, and co-management of services to children and adults with a variety of communication disorders will be discussed.