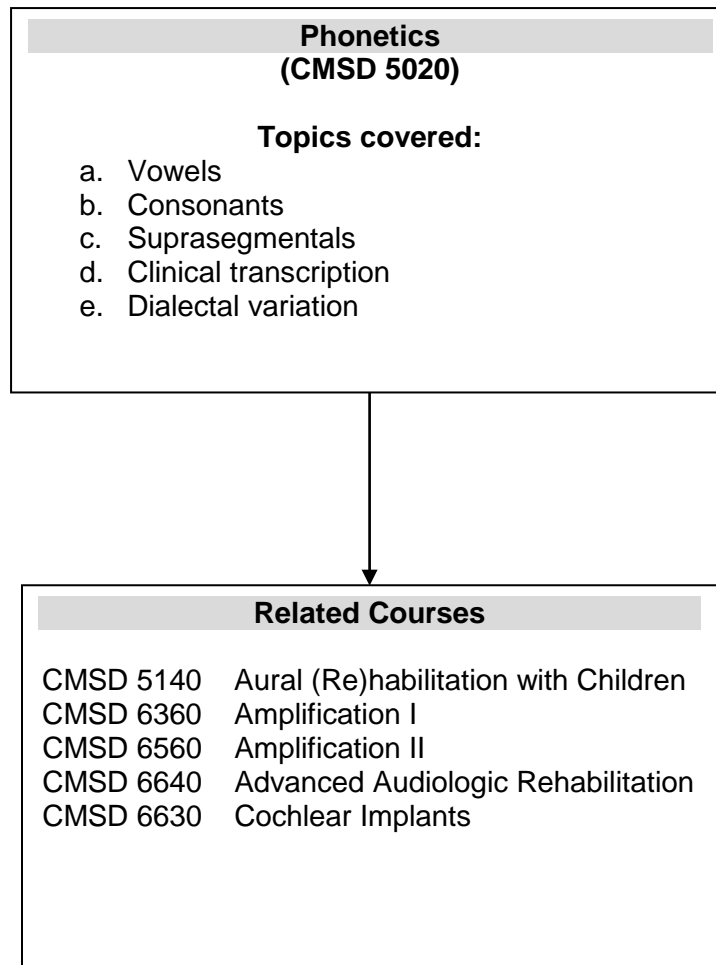


Audiology Curriculum Foundation Course Linkages



**Audition I
(CMSD 6310)**

Topics covered:

- a. Outer ear, middle ear
- b. Cochlear anatomy and mechanics
- c. Hair cell physiology
- d. Cochlear potential and OATs
- e. Auditory nerve
- f. Central auditory system
- g. Psychoacoustics: perception and discrimination; masking; loudness and pitch



Related Courses

All profession-specific second and third year courses.

**Audition II
(CMSD 5280)**

Topics covered:

- a. Mechanical conduction in middle and inner ear
- b. Middle ear function and neuronal control
- c. Advanced cochlear physiology
- d. The Efferent auditory system
- e. Neural activities and neural coding system
- f. Methods of central auditory system studies
- g. Signal perception/discrimination



Related Courses

- CMSD 5220 Diagnostic Audiology
- CMSD 6320 Pediatric Audiology
- CMSD 6380 Electrophysiological Audiometric Measures
- CMSD 6420 Advanced Diagnostic Audiology

**Speech and Language Acquisition
(CMSD 5150)**

Topics covered:

- a. Language components (pragmatics, semantics, phonology, morphology, syntax)
- b. Language theories
- c. Language development (infant, toddler, preschool, school-age)
- d. Reading and writing development
- e. Language differences and special populations

Related Courses

CMSD 5140 Aural (Re)habilitation with Children
CMSD 6320 Pediatric Audiology

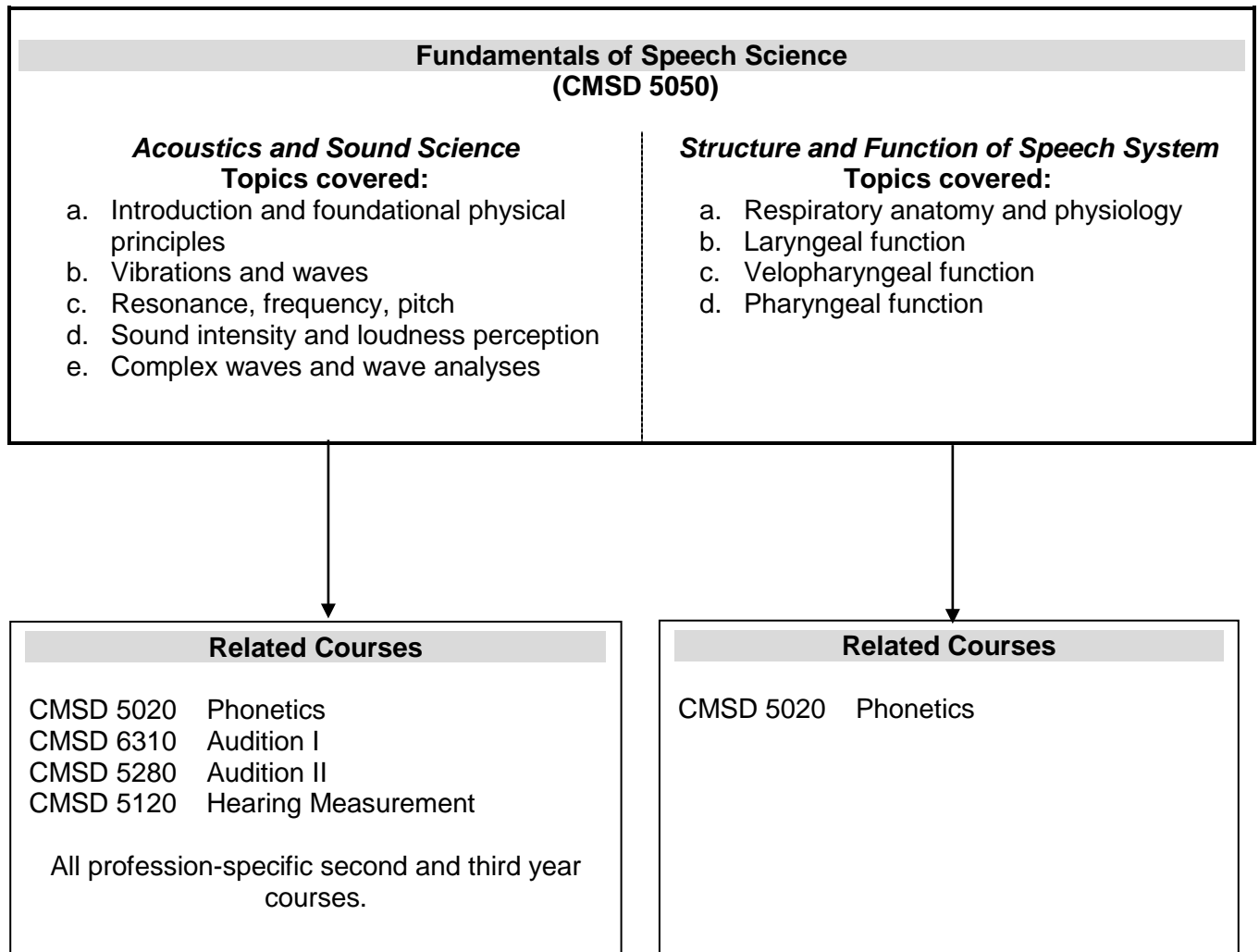
**Introduction to Neurosciences for Communication Disorders
(CMSD 5290)**

Topics covered:

- a. Organization of the nervous system
- b. Structure and electrical activity of neurons
- c. Sensory systems
- d. Motor systems
- e. Clinical neuroscience techniques
- f. Etiologies of neurogenic communication disorder
- g. Higher cortical functions and cognitive/behaviour manifestations of brain damage
- h. Cerebral asymmetry
- i. Development and recovery of function

Related Courses

CMSD 6310	Audition I
CMSD 5220	Diagnostic Audiology
CMSD 5280	Audition II
CMSD 6380	Electrophysiological Audiometric Measures
CMSD 6420	Advanced Diagnostic Audiology
CMSD 6070	Topics in Audiological Procedures
CMSD 6630	Cochlear Implants and Other Implantable Technologies



**Introduction to Audiology and Speech-Language Pathology
(CMSD 5130)**

Topics covered:

- a. Introduction to speech-language pathology
- b. Models of communication processing; international classification of functioning, disability, and health (ICF)
- c. Communication disorders across the lifespan – speech-language pathology
- d. Socio-cultural aspects of communication
- e. Critical diversity; identifying assumptions
- f. Introduction to audiology
- g. Aging
- h. SAC code of ethics
- i. Professional practice issues in speech-language pathology
- j. Professional practice issues in audiology
- k. Living with chronic/episodic illness
- l. Advocacy and media images of communication disorders

Related Courses

All profession-specific second and third year courses.

**Research Design
(CMSD 6980)**

Topics covered:

- a. Scientific principles & research questions
- b. Experimental design & levels of measurement
- c. Inferential statistics
- d. Groups designs
- e. Single subject designs
- f. Correlation designs
- g. Evidence-based practice:
 - levels of evidence;
 - finding external evidence;
 - evaluating treatment evidence;
 - evaluating diagnostic evidence;
 - scientific evidence;
 - clinical experience; and
 - client preferences



Related Courses

All profession-specific second and third year courses.

**Clinical Methods
(CMSD 5071X/Y)**

Topics covered:

Clinical Skills Practice: Assessment and Management

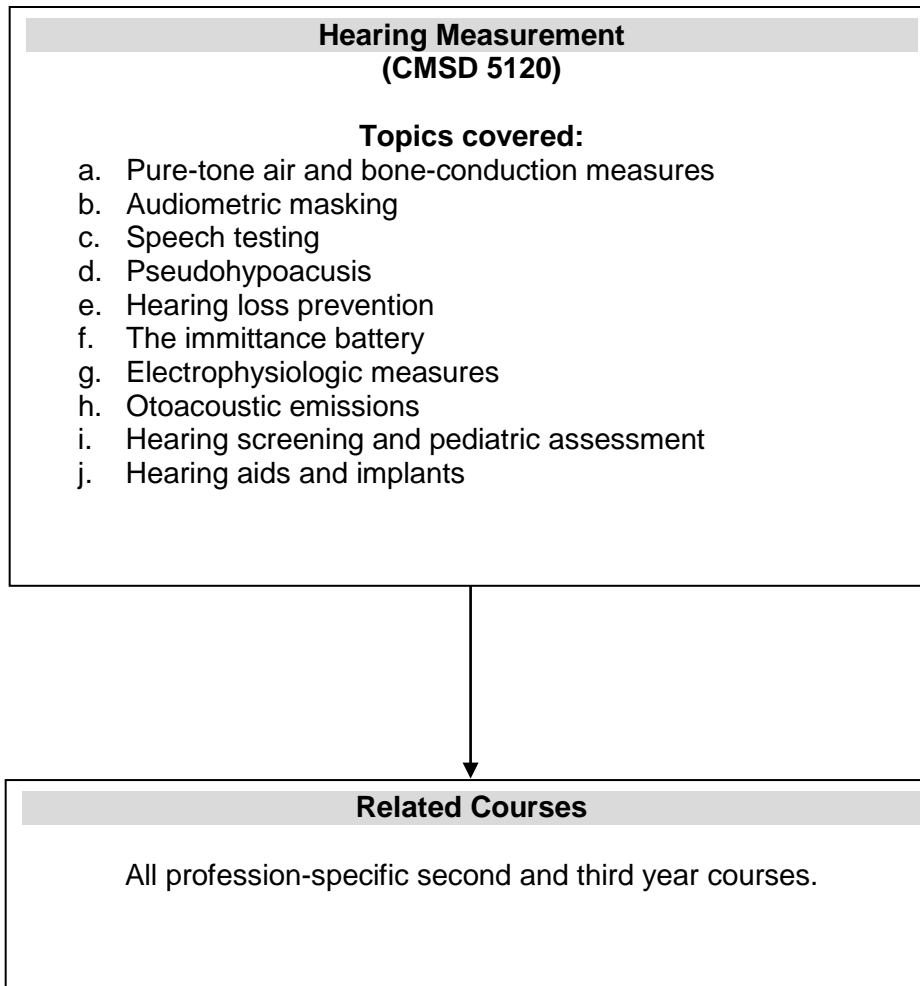
- a. Facilitating self-knowledge
- b. Observation skills
- c. Assessment techniques and practice
- d. Patient management issues
- e. Report writing
- f. Behaviour management

Clinical Skills Practice: Interviewing and Counselling

- a. Case History taking
- b. Interviewing Practice
- c. Counselling
- d. Counselling Practice
- e. Counselling Simulations

Related Courses

All profession-specific second and third year courses.



**Hearing Disorders
(CMSD 5260)**

Topics covered:

- a. Basic medical terminology
- b. Anomalies and disorders of the external ear
- c. Eustachian tube and otitis media
- d. Infection control in the clinical setting
- e. Middle ear and tympanic membrane pathologies
- f. Genetic hearing loss
- g. Syndromic hearing loss
- h. TORCH related hearing loss and cleft palate
- i. Acquired, noise-induced and sudden hearing loss
- j. Trauma
- k. Ototoxicity
- l. Presbycusis
- m. Adult neurological disorders
- n. Brainstem lesions

Related Courses

All profession-specific second and third year courses.