Speech-Language Pathology Curriculum  
Foundation Course Linkages

| **Phonetics**  
(CMSD 5020)  
Topics covered: |
|---|---|---|---|---|---|

**Related Courses**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>CMSD 5250</td>
<td>Speech Disorders – Children</td>
</tr>
<tr>
<td>CMSD 6390</td>
<td>Voice/Resonance Disorders</td>
</tr>
<tr>
<td>CMSD 6450</td>
<td>Speech Disorders – Adults</td>
</tr>
<tr>
<td>CMSD 5140</td>
<td>Aural (Re)habilitation with Children</td>
</tr>
</tbody>
</table>
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; marking; loudness and pitch

Related Courses
- CMSD 5120  Hearing Measurement
- CMSD 5260  Hearing Disorders
- CMSD 5140  Aural (Re)habilitation with Children
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 5270  Language Disorders in Preschool Children
CMSD 6470  Language Disorders in School-age Children
CMSD 6490  Advanced Language Disorders in Children
CMSD 5140  Aural (Re)habilitation with Children
CMSD 6611  Augmentative and Alternative Communication
CMSD 5250  Speech Disorders – Children
### 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 6350 Assessment of Neurogenic Language and Cognitive Disorders – Adult  
- CMSD 6460 Treatment of Neurogenic Language and Cognitive Disorders – Adult  
- CMSD 6450 Speech Disorders – Adults  
- CMSD 6611 Augmentative and Alternative Communication  
- CMSD 6612 Dysphagia  
- CMSD 6370 Fluency Disorders  
- CMSD 5270 Language Disorders in Preschool Children  
- CMSD 6470 Language Disorders in School-age Children  
- CMSD 6390 Voice/Resonance Disorders
Fundamentals of Speech Science
(CMSD 5050)

Acoustics and Sound Science
Topics covered:
- Introduction and foundational physical principles
- Vibrations and waves
- Resonance, frequency, pitch
- Sound intensity and loudness perception
- Complex waves and wave analyses

Structure and Function of Speech System
Topics covered:
- Respiratory anatomy and physiology
- Laryngeal function
- Velopharyngeal function
- Pharyngeal function

Related Courses
CMSD 5020 Phonetics
CMSD 6310 Audition I
CMSD 5120 Hearing Measurement
CMSD 5140 Aural (Re)habilitation with Children

Related Courses
CMSD 5020 Phonetics
CMSD 5250 Speech Disorders – Children
CMSD 6370 Fluency Disorders
CMSD 6390 Voice/Resonance Disorders
CMSD 6612 Dysphagia
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-OAC 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 5070X/Y)

**Topics covered:**

a. Behavioral observation and management  
b. Case history taking and interviewing  
c. Interviewing practice  
d. Counselling  
e. Counselling practice  
f. Counselling simulations  
g. Professionalism  
h. Feedback and evaluation  
i. Conflict management  
j. Interprofessional education  
k. Infection control  
l. Child welfare  
m. Goal setting and treatment planning  
n. Report writing  
o. Principles of assessment and treatment  
p. Behaviour management

Related Courses

All profession-specific second and third year courses.