

# School of Audiology and Speech Sciences

## University of British Columbia

### Master of Science Programs

#### M.Sc. in Audiology

#### M.Sc. in Speech-Language Pathology

## Course Prerequisite Guide for Future Students

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### Entry in 2024W and onwards:

#### **NEW Successful Completion of all Prerequisites Starting 2023**

**Effective 2022W, for applicants applying for entry in 2024W and onwards, you must have all prerequisite courses completed by the end of the regular academic session prior to your desired entry date.** For example, if you are applying to the 2024 Winter Session intake (i.e., September 2024), your prerequisite coursework must be successfully completed by the end of Term 2 of the 2023 Winter Session (i.e., by April 2024).

If you are applying for entry into the program for 2023W, then the prerequisites are as previously for 2022W entry.

# Prerequisites for Admission: Audiology

## Minimum Prerequisites (ALL 6 Required):

Course Content	Minimum Credits*
Introduction to Physics [energy and waves]	3 credits
Developmental Psychology	3 credits
Sensation/Perception	3 credits
Research Methods**	3 credits
Introduction to Linguistics	3 credits
Neuroanatomy for Audiology and Speech-Language Pathology	3 credits

\* A 3-credit course is equivalent to a one-term course that meets 3 hours per week.

\*\* Must include Research Design (primarily Research Design rather than a Statistics course)

## Additional Coursework Recommended for Audiology Applicants:

For students who plan to specialize in Audiology, additional undergraduate preparation could include:

- Brain and Behavior
- Adulthood and Aging
- Additional Developmental Psychology
- Cognitive Psychology
- Counseling
- Biology
- Phonology
- Syntax
- Acoustic Phonetics
- Discourse
- Statistics

# Prerequisites for Admission: Speech-Language Pathology

## Minimum Prerequisites (ALL 10 Required):

Course Content	Minimum Credits*
Phonology	3 Credits
Syntax	3 Credits
Speech Science	3 Credits
Language Acquisition	3 Credits
Phonetics**	3 Credits
Developmental Psychology	3 Credits
Cognitive Psychology OR Psycholinguistics	3 Credits
Research Methods***	3 Credits
Neuroanatomy for Audiology and Speech-Language Pathology	3 Credits
Introduction to Neurolinguistics	1.5 Credits

\*A 3-credit course is equivalent to a one term course which meets 3 hours per week. Courses are to be at the upper level (300 or 400) when possible. Note that most upper-level courses have prerequisites at the 100 or 200 level.

\*\*Phonetics (including transcription practice) must be covered at some point in the course of study. Students are required to provide evidence of this in their applications.

\*\*\*Must include Research Design (primarily Research Design rather than a Statistics course)

## Additional Coursework Recommended for Speech-Language Pathology

### Applicants:

**For students majoring in Speech Sciences or Linguistics**, undergraduate preparation could include further coursework in Linguistics, or additional courses in Psychology such as:

- Cognitive Psychology
- Development
- Psycholinguistics
- Adulthood and Aging
- Counseling

**For students majoring in Psychology**, additional undergraduate preparation could include further coursework in Psychology, or additional courses in Linguistics such as:

- Speech Science
- Semantics
- Syntax
- Morphology
- Discourse
- Sociolinguistics

# Prerequisite Course Descriptions

Applicants to the School are required to complete coursework in specific areas depending on the specialization (see pages 2 & 3) before beginning their graduate studies. Descriptions of the courses that would fulfill these content area requirements at UBC are listed below. Students from other universities should identify the courses that are as nearly equivalent as possible.

## AUDIOLOGY AND SPEECH-LANGUAGE PATHOLOGY

<b>Neuroanatomy for Audiology and Speech-Language Pathology</b>	AUDI 402
<b>Introduction to Neurolinguistics</b>	AUDI 403

## LINGUISTICS (Faculty of Arts)

<b>Introduction to Linguistics</b>	LING 100 – <b>Introduction to Language and Linguistics</b> . Study of language as a universal and uniquely human cognitive system: What universals do all languages share and how do languages differ? An investigation of sound systems, word-building, grammatical principles, language change, dialect variation, language acquisition, neurolinguistics.
<b>Phonology</b>	LING 311 – <b>Studies in Phonology</b> . Introduction to phonological analysis and theory, with a strong emphasis on description and analysis of data from a wide variety of languages.
<b>Syntax</b>	Ling 300 – <b>Studies in Grammar</b> . Introduction to syntactic analysis and theory, with emphasis on description and analysis of data from a wide variety of languages.
<b>Speech Science</b>	LING 313 – <b>Introduction to Linguistic Phonetics and Speech Science</b> . The articulatory and acoustic properties of speech production and perception, including practice in phonetic transcription, instrumental recording, and the analysis of normal speech.
<b>Phonetics</b>	LING 314 – <b>Instrumental Phonetics</b> . Physiological and/or acoustic phonetics. Focus on experimental methods and analysis techniques. Topics may include: source-filter theory; spectral and temporal acoustic analysis, inter-articulator timing and motor coordination.
<b>Language Acquisition</b>	LING 451 – <b>Acquisition of Phonology</b> . Development of the phonological system in typical first language acquisition from the perspective of diverse linguistic topics. Phonetic transcription of child speech. Not offered every year.
	LING 452 – <b>Acquisition of Syntax</b> . Central issues in the first language acquisition of syntax, including early lexical and semantic development, acquisition of morphology, and syntactic development (e.g., word order, questions). Not offered every year
<b>Research Methods</b>	LING 333 – <b>Research Methods for Linguistics</b> . Research methods used in linguistics and speech science. Emphasis on scientific reasoning, critical thinking, experimental design, and the ethics and methods of linguistic data-collection.

## PHYSICS (Faculty of Science)

<b>Introduction to Physics</b>	PHYS 100 – <b>Introductory Physics</b> . Kinematics, force, energy, momentum, use of graphs and vectors in physics; thermal energy, heat transfer, Earth's energy balance, electricity.
	PHYS 101 – <b>Energy and Waves</b> . Fluids, harmonic oscillator, travelling waves, standing waves, sound, and interference of light waves, including diffraction.

## PSYCHOLOGY (Faculty of Arts)

<b>Developmental Psychology</b>	PSYC 302 – <b>Infancy</b> . Human cognition, perception, motor, social, emotional needs, brain development and their interactions from birth until the emergence of language.
	PSYC 315 – <b>Childhood and Adolescence</b> . Human development from the preschool period through adolescence.
<b>Cognitive Psychology/Psycholinguistics</b>	PSYC 309 – <b>Cognitive Processes</b> . Contribution of cognitive processes to perception, attention, and memory; cognitive development, language, thinking, and creativity.
	PSYC 333 – <b>Memory: Historical, Clinical and Cognitive Perspectives</b> . Classical and contemporary metaphors for memory and their impact on theory development.
	PSYC 336 – <b>The Psychology of Language I</b> . Psychological abilities underlying human language; language processing, lexical representation, and principles of online conversation; animal versus human communication.
<b>Research Methods</b>	PSYC 216 – <b>Questioning Psychological Science in the Media</b> . Use basic principles of quantitative psychological research methods to critique psychological claims presented in the media and to translate psychological science to everyday life. Intended for non-psychology majors to prepare for upper-level courses.
	PSYC 217 – <b>Research Methods</b> . Focus on various research methods used in psychology, with an emphasis on critical thinking and experimental design. (Restricted to BA Psychology and COGS majors)
	PSYC 277 – <b>Behavioural and Neuroscientific Research Methods</b> Research methods used in behavioural neuroscience. (Restricted to BSc in Behavioural Neuroscience majors)
<b>Sensation/Perception</b>	PSYC 367 – <b>Sensory Systems</b> . Anatomy and physiology of the sensory pathways and their relation to perception.
	PSYC 368 – <b>Perceptual Processing</b> . Perceptual phenomena and their underlying brain mechanisms

# Prerequisite Equivalents at Other Universities

Prerequisite course equivalents at other Canadian universities for the Audiology and Speech-Language Pathology MSc programs can be found below.

While multiple courses may be listed as a prerequisite equivalent, the completion of one 3-credit course is sufficient for meeting the prerequisite requirement unless otherwise noted.

The following two tables are for reference only and are not deemed to be a complete listing of ALL courses equivalent to UBC prerequisites. Periodically, universities change the content of their courses without our knowledge. **It is the student's responsibility to ensure their coursework fulfils the content of the prerequisite courses for the UBC MSc programs.** Courses cannot be used for more than one prerequisite category.

## **Courses not listed below:**

If a course is not listed, students are required to **submit a full syllabus for evaluation by the Admissions Committee.** Please be specific and indicate which prerequisites you would like the syllabus to be evaluated for. E.g. Prerequisite: Sensation/Perception, Course: Psyc367, Institution: UBC

## Audiology Prerequisite Equivalents at Other Universities

	Introduction to Physics	Developmental Psychology	Sensation and/or Perception	Research Methods	Introduction to Linguistics	Neuroanatomy
UBC	Phys100 Phys101	Psyc302 Psyc315	Psyc367 Psyc368	Psyc217 <sup>3</sup> Psyc216 <sup>3</sup> Psyc277 <sup>3</sup> Epse481 Kin205 Ling333	Ling100	Audi402
UBC Okanagan	Phys112	Psyo321	Psyo313 Psyo314	Psyo270	Anth170	*
U. Alberta	Phys124 Phys130	Psyco223 Psyco323	Psyco367	Psyco212	Ling101	Anat401
Athabasca U.	Phys200	Psyc323	Psyc333	Psyc304 Sosc366	Anth354	*
Brock U.	Phys1P21 Phys1P91	Psyc2P12 Psyc3P18	Psyc2P36 Psyc2P49 Neur2P36	Psyc3P30 Psyc3F40	Ling1P94	*
U. Calgary	Phys227 Phys211 Phys221	Psyc351 Psyc429	Psyc369	Psyc300 Anth411	Ling201	*
Carleton U.	Phys1007	Psyc2500 Psyc3500	Psyc3702	Psyc2001	Ling1001	*
Concordia U.	Phys206	Psyc431 Psyc432	Psyc363	Psyc310 Psyc311	Ling200	*
Dalhousie U.	Phyc1190	Psyo2090			Fren2020	Nesc3440
Douglas College		Psyc3320 Psyc3321				*
Grant MacEwan U.	Phys124	Psyc223 Psyc324	Psyc267	Psyc212 Psyc312	Ling101	*
U. Guelph	Phys1070 Phys1080 Phys1130	Psyc2450	Psyc2390	Psyc2360	Ling1000	*
Kwantlen U.				Psyc3400	Ling1100	*
Laurentian U.		Psyc2005				
U. Lethbridge	Phys2130	Psyc2110	Psyc3360	Psyc3400	Ling2300 Ling2600	*
U. Manitoba	Phys1070	Psyc2290 Psyc3310	Psyc3160	Psyc2250 Psyc2260	Ling1000	*
McGill U.	Phys101	Psyc304	Psyc212 Psyc329	Psyc305	Ling201	*
McMaster U.	Phys1A03	Psych3GG3 Psych2AA3	Psych2E03 Psych3A03 Pnb2XA3	Ling2D03	Ling1A03 Ling1AA3	PNB2XB3 (AUDI only)

	Introduction to Physics	Developmental Psychology	Sensation and/or Perception	Research Methods	Introduction to Linguistics	Neuroanatomy
Mount Allison U.	Phys1051	Psyc2431	Psyc3211	Psyc2001	Ling2001 Ling3001	*
Memorial U.	Phys1021	Psyc2010 Psyc2020 Psyc3050	Psyc3350	Psyc2920 Psyc2910 Psyc2911	Ling1103 Ling1104	*
U. New Brunswick Fredericton	Phys1062	Psyc2203		Psyc2113	Ling2401	*
U. New Brunswick Saint John	Phys1012	Psyc2201	Psyc3383	Psyc2102	Ling2101	*
U. Ottawa	Phy1121 Phy1321	Psy2105 Psy2505 Psy2114	Psy3108 Psy3508	Psy2174 Psy2574	Lin1300	*
Queen's U.	Phys118	Psyc251	Psyc380	Psyc203 Hlth252	Ling100	Anat312
U. Regina	Phys112 Phys119	Psyc210 Psyc310	Psyc375	Psyc204	Ling100	*
U. Saskatchewan	Phys117	Psy213	Psy252	Psy235	Ling111	*
SFU	Phys100 Phys101 Phys255	Psyc250 Psyc355	Psyc303	Psyc201 Hsci307	Ling220	Bpk426
Thompson Rivers U.	Phys1103	Psyc3151	Psyc3510	Psyc2111	Ling2010	*
Trinity Western U.		Psyc215	Psyc309	Psyc322	Ling101	*
U of T Mississauga	Phy136H5	Psy210H5	Psy280H5	Psy202H5	Lin101H5	*
U of T Scarborough	PHYA10H3	PSYB20H3	PSYB51H3	PSYB07H3 PSYC08H3	LINA01H3	*
U of T St. George	PHY131H1	PSY210H1	PSY280H1	PSY203H1	LIN101H1	*
U. Victoria	Phys102	Psyc335 Psyc435A Psyc435E	Psyc317	Psyc201	Ling100A	*
UWO		Psyc2040B Psyc2410A	Psyc2115	Kine2032B	Ling2288	Anatomy3200
U. Waterloo	Phys112	Psych211		Psych291	Engl306A	*
Wilfrid Laurier U.		PS275	PS262			*
U. Winnipeg	Phys1301	Psyc3200	Psyc2610	Psyc2101 Psyc2102	Ling1001	*
York U.		Psyc2110	Psyc2220	Psyc2030	Ling1000	Kine3650
Vancouver Island U.		Psyc335 Psyc336	Psyc315	Psyc204 Psyc400	Ling111	*
U. Windsor	Phys1310	Psyc2230		Psyc2300		*

\* = Available online at UBC as AUDI402 and AUDI403

1 = Online Course

2 = Please submit syllabus for evaluation if using as prerequisite

3 = PSYC 216 (all majors) ; PSYC 217 (restricted to BA Psychology and COGS majors); PSYC 277 (restricted to BSc in Behavioural Neuroscience majors)



## Speech-Language Pathology Prerequisite Equivalents at Other Universities

	Phonology	Syntax	Speech Science	Language Acquisition	Phonetics	Developmental Psychology	Cognitive Psychology <sup>3</sup>	Psycholinguistics <sup>3</sup>	Research Methods	Neuroanatomy	Neurolinguistics
UBC	Ling311	Ling300	Ling313	Ling451 Ling452	Ling314	Psyc302 Psyc315	Psyc309 Psyc333	Psyc336	Psyc217 <sup>9</sup> Psyc216 <sup>5</sup> Psyc277 <sup>5</sup> Epse481 Kin205 Ling333	Audi402	Audi403
UBC Okanagan	Anth270	Anth370				Psyso321	Psyso311		Psyso270	*	*
U. Alberta	Ling310	Ling204 Ling309		Ling319 CSD211 <sup>1</sup>	Ling205 <sup>1</sup>	Psyco223 Psyco323	Psyco258	Ling500	Psyco212	Anat401	Ling321
Athabasca U.						Psyc323	Psyc355		Psyc304 Sosc366	*	*
Brock U.	Ling3P53	Ling3P71	Ling2P91 Ling2P90	Ling3P61	Ling2P50	Psyc2P12 Psyc3P18	Psyc2P20	Ling1P92	Psyc3P30 Psyc3F40	*	Ling3Q93
U. Calgary	Ling303	Ling301 Ling401	Ling441	Ling316	Ling341	Psyc351 Psyc429	Psyc365 Psyc451	Psyc467 Ling 467	Psyc300 Anth411 Soci313	*	*
Carleton U.	Ling3007	Ling3004 Ling4004		Ling3603 Psyc3508	Ling2007	Psyc2500 Psyc3500	Psyc3506 Psyc3700		Psyc2001	*	Ling 3601 Ling4601
Concordia U.	Ling373	Ling315 Ling415		Ling425	Ling372	Psyc431 Psyc432	Psyc364 Psyc466	Ling353	Psyc310 Psyc311	*	*
Dalhousie U.				Psyso3093		Psyso2090	Psyso2130	Psyso3190		Nesc3440	*
Douglas College						Psyc3320 Psyc3321				*	*
Grant MacEwan U.						Psyc223 or Psyc324	Psyc258		Psyc212 Psyc312	*	*
U. Guelph						Psyc2450	Psyc2650		Psyc2360	*	*
Kwantlen U.						Psyc2320	Psyc2385		Psyc3400	*	*
Laurentian U.	Ling3007	Ling2006	Ortho1107	Ortho1106	Ling3006	Psyc2005					
U. Lethbridge		Ling2600		Ling3405	Ling2300 Ling3600	Psyc2110			Psyc3400	*	*
U. Manitoba	Ling4110	Ling2200	Ling2840	Ling3860 Psyc3860	Ling2100	Psyc2290 Psyc3310	Psyc2480	Psyc3580	Psyc2250 Psyc2260	Ling2870	*
McGill U.	Ling331	Ling371	Ling210	Ling355	Ling330	Psyc304	Psyc213 Psyc311 Psyc413	Psyc340	Psyc305	*	*
McMaster U.	Ling2PH3	Ling2SY3	Ling2L03 <sup>4</sup>	Ling3C03 Psych3C03	Ling 2L03 <sup>4</sup>	Psych3GG3 Psych2AA3	Psych3BN3 Psych2H03 PNB2XA3	Psych3UU3 Ling2PS3	Ling2D03	*	Ling3NL3
Mount Allison U.						Psyc2431	Psyc2201 Psyc3411	Psyc3221	Psyc2001	*	*
Memorial U.	Ling3201 Ling4203	Ling3100		Ling2120	Ling3104	Psyc2010 Psyc2020 Psyc3050	Psyc3450		Psyc2920 Psyc2910 Psyc2911	*	*

	Phonology	Syntax	Speech Science	Language Acquisition	Phonetics	Developmental Psychology	Cognitive Psychology <sup>3</sup>	Psycholinguistics <sup>3</sup>	Research Methods	Neuroanatomy	Neurolinguistics
U. New Brunswick Fredericton		Ling3422			Ling3411	Psyc2203	Psyc3243 Psyc3623		Psyc2113	*	*
U. New Brunswick Saint John		Ling3114		Ling3111	Ling3113	Psyc2201	Psyc3693		Psyc2102	*	*
U. Ottawa	Lin3320	Lin2310 Lin3310	Lin4325	Lin3354 Psy3136	Lin3325	Psy2105 Psy2505 Psy2114	Psy3377	Lin3350	Psy2174 Psy2574	*	Lin2352
Queen's U.	Ling320	Ling340			Ling310	Psyc251	Psyc220	Psyc321	Psyc203	Anat312	*
U. Regina	Ling410	Ling213 Ling413		Ling325 Ling327	Ling210	Psyc210 Psyc310	Psyc270	Psyc374	Psyc204	*	*
U. Saskatchewan	Ling340				Ling242	Psy213	Psy317 Psy318		Psy235	*	*
SFU	Ling321	Ling322	Ling 290 Ling401	Ling350	Ling330	Psyc250 Psyc355	Psyc354 Psyc382	Ling315	Psyc201 HSCI 307	Bpk426	Ling415
Thompson Rivers U.						Psyc3151	Psyc3550		Psyc2111	*	*
Trinity Western U.	Ling330	Ling360	Ling310	Ling471	Ling476	Psyc215	Psyc326		Psyc322	*	*
U of T Mississauga	Lin229H5 Lin329H5	Lin232H5		Psy315H5	Lin228H5	Psy210H5	Psy312H5 Psy270H5	Psy374H5	Psy202H5	*	*
U of T Scarborough	LINC02H3	LINC11H3	LINB09H3	PLIC24H3	LINB04H3	PSYB20H3	PSYB57H3	PLIC55H3	PSYB07H3 PSYC08H3	*	*
U of T Downtown	Lin229H1	LIN232H1	LIN323H1	JLP315H1	LIN228H1	PSY210H1	PSY270H1	JLP374H1	PSY203H1	*	*
U. Victoria	Ling 312 Ling412	Ling311 Ling411	Ling381	Ling370B Psyc370B	Ling200 Ling380	Psyc335 Psyc435A Psyc435E	Psyc351A	Psyc370A Ling 370A	Psyc201 Ling204	*	Ling370D Psyc370D
UWO	Ling2247B Ling4247B	Ling2248		CSD 4439 Psych 3141F	Ling 2242B	Psyc2040B Psyc2410A	Psyc2135 Psyc3185	Psyc2134 Psyc3184	Kine2032B	Anatomy3200	*
U. Waterloo				Psych320		Psych211	Psych207		Psych291	*	*
Wilfrid Laurier U.						PS275	PS260B	PS366A		*	*
U. Winnipeg	Ling2001	Engl2802 Ling2003			Ling2301	Psyc3200	Psyc3600	Psyc2620	Psyc2101 Psyc2102	*	*
York U.	Ling3120	Ling3140		Ling3210 Ling3240	Ling2110	Psyc2110 Psyc 3520	Psyc2260	Ling3220 Psyc3290	Psyc2030	Kine3650	*
Vancouver Island U.						Psyc335 Psyc336	Psyc313		Psyc204	*	*
U. Windsor						Psyc2230	Psyc3370		Psyc2300	*	*

\* = Available online at UBC as AUDI402 and AUDI403

1 = Online Course

2 = Please submit syllabus for evaluation if using as prerequisite

3 = Only one of either Cognitive Psychology OR Psycholinguistics

4 = Applicant must specify which prerequisite category this course is being used to satisfy. Courses cannot be used for more than one prerequisite category

5 = PSYC 216 (all majors); PSYC 217 (restricted to BA Psychology and COGS majors); PSYC 277 (restricted to BSc in Behavioural Neuroscience majors)

# Registration for AUDI 402 and AUDI 403

**TO BE ELIGIBLE FOR REGISTRATION, ENSURE THAT YOU HAVE COMPLETED** *(or are currently completing)*:

For **AUDI 402**, at least **ONE** of the following prerequisite(s):

- Sensation or equivalent (UBC Course: PSYC 367)
- Perception or equivalent (UBC Course: PSYC 368)
- Speech Science or equivalent (UBC Course: LING 313 and LING 314)
- 4<sup>th</sup> year standing and completion of both Anatomy & Physiology
- Biopsychology
- Neuropsychology

For **AUDI 403**, **ALL** of the following prerequisites:

- Linguistic Theory and Analysis I or equivalent (UBC Course: LING 200)
- Linguistic Theory and Analysis II or equivalent (UBC Course: LING 201)
- Neuroanatomy or equivalent (UBC Course: AUDI 402 – can be taken concurrently with AUDI 403)

## REGISTRATION ELIGIBILITY AND STUDENT RESPONSIBILITY

Students who wish to take AUDI 402 and/or 403 must meet the above prerequisite requirements prior to registering for each course. **It is each student's responsibility to ensure he/she meets these requirements.** Failure to meet these requirements may result in inadequate preparation and background for successfully completing these courses. In other words, consequences of registering without the required background knowledge/skills (e.g., not having adequate content area knowledge or not having sufficient English proficiency) may include failing individual components of the course or the entire course.

If a student is unsure whether their coursework meets our 402 or 403 prerequisites, they should inquire with their home institution's undergraduate advisor. We are not able to provide consultation on other institutions' course equivalences.

### **Currently attending UBC students:**

If you are currently a UBC student, you can register for AUDI 402 and/or 403 online via your SSC account. You can view the available sections on the online course schedule.

### **Previously attended UBC students:**

If you have graduated or previously applied to, been admitted to or have studied at UBC, please send an email to [non.degree@ubc.ca](mailto:non.degree@ubc.ca) with your full name, your date of birth and your UBC student number along with the request to be granted eligibility as an Unclassified student. You will then be able to register for the courses on the SSC.

### **Non-UBC students:**

If you are not currently a UBC student, please follow one of the options below depending on your eligibility.

**A. Visiting Student: Currently enrolled in a bachelor's degree program at a recognized institution**

You will need to submit an application online to become a Visiting Student. This process also requires the submission of a Letter of Permission issued from your institution

**B. Unclassified Student: Completed a bachelor's degree from a recognized institution**

You will need to submit an application online to become an Unclassified Student.