

## Communication Sciences & Disorders (4 Year Track Curriculum)

	<i>Department and Number - Descriptive Title of Course</i>	<i>Fall Cr.</i>	<i>Int. Cr.</i>	<i>Spr. Cr.</i>	<i>Sum. Cr.</i>
<b>First Year</b>					
COGNATE ELEC	Cognate Elective	3			
GE FYW	WRTG 107 - Composition or COMM 108 – Essential Writing Skills	3			
GE PHIL	PHIL 120 - Introduction to Philosophy	3			
GE FYS	FYS <sup>1</sup>				
GE FREE ELEC	Free Elective	3			
GE FYDT, FYOC / MAJOR	CSD 100 – Exploring the Communication Sciences & Disorders	3			
GE T/RS	T/RS 121 – Theology I: Introduction to the Bible			3	
GE (S)	PSYC 110 – Fundamentals of Psychology			3	
MAJOR	CSD 103 – Introduction to Phonetics			3	
COGNATE ELEC	Cognate Elective			3	
GE PHIL	PHIL 210 - Ethics			3	
		<b>15</b>		<b>15</b>	
<b>Second Year</b>					
GE (E)	BIOL 110/110L – 111/111L - Human Anatomy and Physiology	4		4	
COGNATE	NEUR 231 – Behavioral Neuroscience	3			
MAJOR	CSD 200 – Foundations of Speech & Language Development and Psycholinguistics	3			
GE FREE ELEC	Free Elective	3			
GE T/RS	T/RS 122 – Theology II: Introduction to Christian Theology	3			
GE (Q) / COGNATE	PSYC 210 – Statistics in the Behavioral Sciences			3	
COGNATE	COMM 109 – G/S/P Skill Set			1	
MAJOR	CSD 203 - Introduction to Developmental Speech & Language Disorders **			3	
GE HUMN	Humanities Elective			3	
		<b>16</b>		<b>14</b>	
<b>Third Year</b>					
GE (EPW) /	CSD 300 – Scientific & Professional	3			

MAJOR	Writing in CSD				
MAJOR	CSD 303 – Principles of Audiology **	3			
GE FREE ELEC	Free Elective	6			
GE (E) / COGNATE	PHYS 120/120L - General Physics I or CHEM 112/112L - General and Analytical Chem I	4/4.5			
COGNATE	NUTR 110 –Introduction to Nutrition			3	
GE COGNATE ELEC	Cognate Elective			3	
GE Elective (D)	GE Elective (D)			3	
GE HUMN	Humanities Elective			3	
GE HUMN	Humanities Elective			3	
		<b>16/16.5</b>		<b>15</b>	
<b>Fourth Year</b>					
MAJOR	CSD 400 – Anatomy & Physiology of the Speech & Hearing Mechanism	4			
MAJOR	CSD 403 – Introduction to Speech & Language Disorders in Healthcare **	3			
GE (D, S) / COGNATE	HPRO 230 – Multicultural Health	3			
GE HUMN	Humanities Elective	3			
MAJOR	CSD 406 – Introduction to SLP & Audiology in the Schools	3			
MAJOR	CSD 409– Speech & Hearing Science			4	
GE T/RS	T/RS (P) ELEC			3	
GE (EPW) / MAJOR	CSD 412 – Introduction to Research Methods in CSD			3	
MAJOR	CSD 415 – Foundations of Clinical Practice and Interprofessional Education			3	
		<b>16</b>		<b>13</b>	
<b>Total: 120 / 120.5 credits</b>					

<sup>1</sup>The selection of a First Year Seminar may fulfill requirements both for the First Year Seminar and a General Education Requirement. Thus, the First Year Seminar will not add to the total credits for the semester. Talk with your advisor if you have any questions.

\*\* Includes a Community-Based Learning Project, coordinated via the department and faculty mentors.

# Communication Sciences & Disorders (3 Year Track Curriculum)

	<i>Department and Number - Descriptive Title of Course</i>	<i>Fall Cr.</i>	<i>Int. Cr.</i>	<i>Spr. Cr.</i>	<i>Sum. Cr.</i>
<b>First Year</b>					
GE COGNATE ELEC	Cognate Elective	3			
GE FYW	WRTG 107 - Composition or COMM 108 – Essential Writing Skills	3			
GE FYDT, FYOC / MAJOR	CSD 100 – Exploring the Communication Sciences & Disorders	3			
GE (E)	BIOL 110/110L – 111/111L - Human Anatomy and Physiology	4		4	
GE FYS	FYS <sup>1</sup>				
GE FREE ELEC	Free Elective	3			
GE PHIL	PHIL 120 - Introduction to Philosophy		3		
GE (S)	PSYC 110 – Fundamentals of Psychology			3	
MAJOR	CSD 103 – Introduction to Phonetics			3	
GE T/RS	T/RS 121 – Theology I: Introduction to the Bible			3	
GE FREE ELEC	Free Elective			3	
COGNATE	COMM 109 – G/S/P Skill Set			1	
GE T/RS	T/RS 122 – Theology II: Introduction to Christian Theology				3
GE HUMN	Humanities Elective				3
		<b>16</b>	<b>3</b>	<b>17</b>	<b>6</b>
<b>Second Year</b>					
GE (E) / COGNATE	PHYS 120/120L - General Physics I or CHEM 112/112L - General and Analytical Chem I	4/4.5			
COGNATE	NEUR 231 – Behavioral Neuroscience	3			
GE (EPW) / MAJOR	CSD 300 – Scientific & Professional Writing in CSD	3			
MAJOR	CSD 303 – Principles of Audiology **	3			
MAJOR	CSD 200 – Foundations of Speech & Language Development and Psycholinguistics	3			
GE HUMN	Humanities Elective		3	3	
GE (Q) / COGNATE	PSYC 210 – Statistics in the Behavioral Sciences			3	
MAJOR	CSD 203 - Introduction to Developmental Speech & Language Disorders **			3	
GE COGNATE	Cognate Elective			3	

ELEC					
COGNATE	NUTR 110 – Introduction to Nutrition			3	
GE PHIL	PHIL 210 - Ethics			3	
GE T/RS	T/RS ELEC – (P) Theology/Philosophy Elective				3
GE FREE ELEC	Free Elective				3
		<b>16/16.5</b>	<b>3</b>	<b>18</b>	<b>6</b>
<b>Third Year</b>					
MAJOR	CSD 400 – Anatomy & Physiology of the Speech & Hearing Mechanism	4			
MAJOR	CSD 403 – Introduction to Speech & Language Disorders in Healthcare **	3			
GE (D, S) / COGNATE	HPRO 230 – Multicultural Health	3			
GE FREE ELEC	Free Elective	3			
MAJOR	CSD 406 – Introduction to SLP & Audiology in the Schools	3			
GE HUMN	Humanities Elective		3		
MAJOR	CSD 409 – Speech & Hearing Science			4	
COGNATE ELECTIVE	Cognate Elective			3	
GE (EPW) / MAJOR	CSD 412 – Introduction to Research Methods in CSD			3	
MAJOR	CSD 415 – Foundations of Clinical Practice and Interprofessional Education			3	
GE Elective (D)	GE Elective (D)			3	
		<b>16</b>	<b>3</b>	<b>16</b>	
<b>Total: 120 / 120.5 credits</b>					

<sup>1</sup>The selection of a First Year Seminar may fulfill requirements both for the First Year Seminar and a General Education Requirement. Thus, the First Year Seminar will not add to the total credits for the semester. Talk with your advisor if you have any questions.

\*\* Includes a Community-Based Learning Project, coordinated via the department and faculty mentors.

## Required Courses Within the Major (38 credits)

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- CSD 100 – (FYDT, FYOC) – Exploring the Communication Sciences & Disorders (Level I FYDT & FYOC requirement)
- CSD 103 – Introduction to Phonetics
- CSD 200 – Foundations of Speech & Language Development and Psycholinguistics
- CSD 203 – Introduction to Developmental Speech & Language Disorders
- CSD 300 – (EPW) – Scientific & Professional Writing in CSD (fulfills Level II EPW requirement)
- CSD 303 – Principles of Audiology
- CSD 400 – Anatomy & Physiology of the Speech and Hearing Mechanism
- CSD 403 – Introduction to Speech & Language Disorders in Healthcare
- CSD 406 – Introduction to SLP/AUD in the Schools
- CSD 409 – Speech & Hearing Science
- CSD 412 – (EPW) – Introduction to Research Methods in CSD (fulfills Level II EPW requirement)
- CSD 415 - Foundations of Clinical Practice and Interprofessional Education

## Required Cognate Courses (17/17.5 credits)

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- NEUR 231 - (E) Behavioral Neuroscience
- PSYC 210 - (Q) Statistics in the Behavioral Sciences (fulfills 3 cr. Quantitative Reasoning requirement)
- COMM 109 - G/S/P Skill set
- PHYS 110 - (E) General Physics I/110L or CHEM 112 - (E) General and Analytical Chemistry/CHEM 112L
- NUTR 110 – (E) Introduction to Nutrition
- HPRO 230 – (D, S) Multicultural Health

## GE Requirements (44 credits)

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- FYS – First Year Seminar
- WRTG 107 or COMM 108 – (FYW) Composition or Essential Writing Skills
- T/RS 121 – Theology I
- T/RS 122 – Theology II
- PHIL 120 – Introduction to Philosophy
- PHIL 210 – Ethics
- T/RS (P) - Elective
- BIOL 110/110L - (E) Human Anatomy and Physiology
- BIOL 111/111L - (E) Human Anatomy and Physiology
- HUMN ELEC – (CA, CF, CH, CL, CI)– four courses, 12 credits
- PSYC 110 (S) – Introduction to Psychology
- GE ELEC (D) – Cultural Diversity Elective – one course, 3 credits

## Cognate Elective (3 courses, 9 credits)

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- ASL 101 – (CF, D) American Sign Language
- ASL 102 – (CF) American Sign Language
- BIOL 202 – (E) The ABC's of Genetics
- CHS 112 – Human Services Systems or HADM 112 – Health Systems
- CHS 242 – Counseling Theories
- CHS 322 – Cognitive Disabilities
- CHS 323 – Psychiatric Rehabilitation
- CHS 331 – Health and Behavior
- CHS 333 – (D) Multiculturalism in Counseling and Human Services
- EDUC 142 – (D, S) Exceptional Lives
- EDUC 144 – Foundations of American Education
- ENLT 103 – Children's Literature
- HADM 110 – Introduction to Gerontology
- HADM 218 – Health and Aging
- MATH 109 – (Q) Pre-Calculus Mathematics
- PSYC 225 – (S) Abnormal Psychology
- PSYC 226 – (S) Lifespan Development: Cognitive and Biological
- PSYC 227 – (S) Lifespan Development: Social and Emotional
- PSYC 230 – Sensation and Perception
- PSYC 232 – Psychology of Language

## Free Electives (12 credits)

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Total 120/120.5 credits

## Course Descriptions

### **CSD 100 – (FYDT/FYOC) Exploring the Communication Sciences & Disorders**

3 cr.

This seminar will introduce the basic concepts in communication science and disorders of speech, language, and hearing. Emphasis is placed on the analysis of speech production, comprehension, auditory perception, and the cognitive and social dimensions of language. The role of professionals in diagnosing and treating communication disorders is introduced.

### **CSD 103 – Introduction to Phonetics**

3 cr.

This course explores the sounds of American English and provides students with the basis for representing speech sound production using the International Phonetic Alphabet (IPA). The course also covers aspects of articulatory and linguistic phonetics and

introduces dialect variation and clinical phonetics with an emphasis on transcriptional phonetics.

### **CSD 200 – Foundations of Speech & Language Development and Psycholinguistics**

3 cr.

This course studies patterns of typical language acquisition in children at different developmental levels. Aspects of phonology, morphology, semantics, syntax, and pragmatics are examined along with the cognitive, social, and cultural factors that contribute to language, learning, and literacy. *CSD 100 or permission of the instructor*

### **CSD 203 – Introduction to Developmental Speech & Language Disorders\*\***

3 cr.

This course provides an introduction to developmental communication disorders. Emphasis is placed on disorders of articulation, fluency, and language. Theories, etiologies, and symptoms, as well as the educational and sociocultural impact of these disorders is discussed. *CSD 100 or permission of the instructor*

### **CSD 300 – (EPW) Scientific & Professional Writing in CSD**

3 cr.

This seminar provides an overview of scientific and professional writing skills necessary within the CSD professions. General principles of writing are discussed with techniques to improve style. Benefits of planning and choosing an organizational structure to develop an argument, writing with clarity, and avoiding bias in language are examined. Prerequisite: *WRTG 107 or COMM 108, COMM 109*

### **CSD 303 – Principles of Audiology\*\***

3 cr.

This course presents an overview of the profession of Audiology and introduces the principles and clinical practices of audiology. Anatomy and physiology of the ear is presented, and basic related disorders discussed. Types of hearing loss are considered while audiometric procedures, including pure-tone, speech audiometry, and acoustic immittance introduced. *CSD 100 or permission of the instructor*

### **CSD 400 – Anatomy & Physiology of the Speech & Hearing Mechanism**

4 cr.

This course is a study of the structures and functions involved in the production and perception of speech including respiration, phonation, resonance, articulation, hearing, and the nervous system. The importance of coordination and integration of these systems for communication is emphasized. *Prerequisites: BIOL 110/110L/111/111L and NEUR 231 or permission of the instructor.*

### **CSD 403 – Introduction to Speech & Language Disorders in Healthcare\*\***

3 cr.

This course focuses on the study, of neurogenic communication disorders commonly addressed by speech-language pathologists and audiologists in a healthcare environment. A review of the neuroanatomical aspects of language and the associated linguistic-cognitive symptoms is provided as well as introductory information related to the assessment and treatment of these disorders. *Prerequisites: BIOL 110/110L/111/111L and NEUR 231 or permission of the instructor*

### **CSD 406 – Introduction to SLP & Audiology in the Schools**

3 cr.

This course provides foundational information in the organization/management of programs in schools. Well-planned, integrated, coordinated programming is essential for school based educational specialists. This course will review standard-based instructional systems and frameworks that support academic successes and student social development (e.g. Response to Intervention (RTI), Child Study, Student Assistance). *Prerequisites: CSD 200, 203, & 303 or permission of the instructor*

### **CSD 409 – Speech & Hearing Science**

4 cr.

This course introduces the physiology of speech production, the acoustic characteristics of voice, and the processes by which listeners perceive the sounds of speech. Students gain experience with current technology and instrumentation in the Speech and Hearing Science laboratory. *Prerequisites: BIOL 110/110L/111/111L, NEUR 231, PHYS 120/120L or CHEM 112/112L, CSD 103, and CSD 400 or permission of the instructor.*

### **CSD 412 – (EPW) Introduction to Research Methods in CSD**

3 cr.

This introductory seminar on research methods in speech and language is intended to integrate theoretical and clinical information. Students will develop enhanced critical thinking skills, professional/technical oral/writing skills, and problem-solving skills as they engage in projects that examine/analyze current research and develop empirical studies that focus on communication disorders. *Prerequisite: CSD 300*

### **CSD 415 – Foundations of Clinical Practice and Interprofessional Collaboration**

3 cr.



This course explores the application of theory in communication sciences and disorders both within the CSD professions and related fields. A platform for guided observation and development of clinical skills in SLP/audiology will be provided. Emphasis will be placed on the theoretical framework of clinical practice and interprofessional collaboration. *Prerequisite: CSD 203, 300, and 403 or permission of the instructor*