Communicative Sciences and Disorders

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Communicative Sciences and Disorders is a field dedicated to the understanding of normal communication processes and the application of that knowledge to the identification, treatment, and prevention of communication disorders in children and adults. The field draws on the domains of linguistics, psychology, and biological and physical science to capture the normal processes of communication as well as the nature of communication disorders and their effects on the individual at various stages of life. Those involved in the field of communicative sciences and disorders seek to understand and minimize the impact of disordered speech, language, hearing, and swallowing processes on a person’s educational, social, or vocational success.

The Bachelor of Science degree program provides a foundation of study in communication disorders across the human lifespan as preparation for specialized graduate study in speech-language pathology, audiology, or speech and hearing science. Students develop an extensive knowledge base in anatomy and physiology of the speech and hearing mechanism; normal speech, language, and hearing development; and disorders that can affect the ability to communicate, such as neurogenic communication disorders in adults, child language disorders, and articulation disorders. Additional coursework from related fields such as American Sign Language, psychology, linguistics, and statistics is integrated into the program, and a generous number of liberal arts and sciences and elective courses allow students to explore areas of interest of their own choosing.

Throughout the program, students have the opportunity to pair their theoretical knowledge with practical application through structured observation in a variety of settings. Students begin observing speech and language services in the on-campus, state-of-the-art speech language pathology and audiology clinic. This experience continues in schools, child development centers, Head Start programs, hospitals, rehabilitation centers, and skilled nursing facilities throughout the metropolitan area.

The major in Communicative Sciences and Disorders enables students to explore a wide range of interests through electives. Students may choose from hundreds of courses offered across the university or at any of NYU’s many global sites, or they may deepen their understanding of a specific field by declaring a minor in an area of study of particular interest, such as linguistics, psychology, sociology, public health, nutrition, American Sign Language, foreign language, or business.
B.S. in Communicative Science and Disorders

The 128-point curriculum in Communicative Sciences and Disorders includes 68 points in liberal arts and science courses, including 16 points in electives. The major requires 51 points in specialized courses in communicative sciences and disorders, such as language development, neurogenic disorders of speech and language, and anatomy and physiology of the speech and hearing mechanisms. Students take 9 points of unrestricted electives.

Note: The Steinhardt School requires all freshmen and external transfer students to enroll in the 0-point New Student Seminar.

B.S. in Global Public Health/Communicative Sciences and Disorders

NYU Steinhardt offers several majors that combine public health with another discipline. Practitioners in the field of public health are concerned with protecting, promoting, and improving the health and well-being of populations, particularly those most vulnerable in today’s society. Public health draws on an interdisciplinary approach to solving problems to extend the benefits of current knowledge in ways that will have the maximum impact on the health status of a population. With social justice as the foundation of public health, those who study and practice in this field are concerned with the many conditions that influence health and well-being, including social, economic, political, and medical care factors.

The overall undergraduate framework for each combined public health major is:

1. Courses in the six core public health areas:
   a. Biostatistics
   b. Epidemiology
   c. Health policy
   d. Environmental health
   e. Sociobehavioral health
   f. A global public health internship
2. Approximately six courses in the partner discipline
3. Two courses in either global public health and/or in the partner discipline
4. Foreign language study (requirements vary by major)
5. Study away for one semester at an NYU Global Site

### Program of Study 2012-2013

#### CSDB - Communicative Sciences & Disorders (B.S.)

<table>
<thead>
<tr>
<th>Total Points Required</th>
<th>128</th>
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<tbody>
<tr>
<td><strong>LIBERAL ARTS REQUIREMENTS</strong></td>
<td>68</td>
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<tr>
<td>Morse Academic Plan (MAP)</td>
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<tr>
<td>Foreign Language</td>
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<tr>
<td>Expository Writing</td>
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<tr>
<td>EXPOS-UA.0100 Writing the Essay</td>
<td>4</td>
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<tr>
<td>ACE-UE.110 The Advanced College Essay</td>
<td>4</td>
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<tr>
<td><strong>Foundations of Contemporary Culture</strong></td>
<td>16</td>
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<tr>
<td>MAP-UA.04xx Texts and Ideas</td>
<td>4</td>
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<tr>
<td>MAP-UA.05xx Cultures and Contexts</td>
<td>4</td>
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<tr>
<td>MAP-UA.07xx/LIBAR-UE.xxxx Expressive Culture</td>
<td>4</td>
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<tr>
<td>MAP-UA.6xxx/LIBAR-UE.xxxx Societies &amp; the Social Sciences**</td>
<td>4</td>
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<tr>
<td>Mathematics</td>
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<tr>
<td>MAP-UA.0101 Quantitative Reasoning</td>
<td>4</td>
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<tr>
<td><strong>Natural Sciences</strong></td>
<td>8</td>
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<tr>
<td>NUTR-UE.1068/LIBAR-UE.331 Introduction to Human Physiology</td>
<td>4</td>
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<tr>
<td>Choose one (1) of the following:</td>
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<tr>
<td>MAP-UA.0202; MAP-UA.0203; MAP-UA.0204; MAP-UA.0205; MAP-UA.0206; MAP-UA.0209</td>
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<td>Other Liberal Arts Requirements</td>
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<tr>
<td>APSY-UE.10 Survey of Developmental Psychology: Introduction</td>
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<td>PSYCH-UA.0001 Introduction to Psychology</td>
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<td>PSYCH-UA.11 Statistics for the Behavioral Sciences</td>
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<tr>
<td>Liberal Arts Elective</td>
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<td>** Selected by Advisement**</td>
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<tr>
<th>SPECIALIZATION REQUIREMENTS</th>
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<tr>
<td>CSCD.0008 Anatomy and Physiology of the Speech and Hearing Mechanism</td>
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<tr>
<td>CSCD.0009 Neuroanatomy and Physiology of Communication</td>
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<tr>
<td>CSCD.0017 Introduction to Communicative Sciences &amp; Disorders</td>
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<td>CSCD.0061 Phonetics &amp; Phonemics of American English</td>
<td>3</td>
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<tr>
<td>CSCD.0402 Acoustic Phonetics</td>
<td>3</td>
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<tr>
<td>CSCI.1012 Introduction to Neurogenic Communication Disorders</td>
<td>3</td>
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<tr>
<td>CSCI.1015 Communication Disorders and Aging</td>
<td>3</td>
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<tr>
<td>CSCI.1045 Science of Language</td>
<td>4</td>
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<tr>
<td>CSCI.1065 An Introduction to Methods and Materials for Diagnosis and Therapy in Communication Disorders</td>
<td>3</td>
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<tr>
<td>CSCI.1101 Introduction to Articulation Disorders</td>
<td>3</td>
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<td>CSCI.1205 Audiology: Intervention Strategies for Children</td>
<td>3</td>
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<td>CSCI.1207 Introduction to Language Disorders in Children</td>
<td>3</td>
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<tr>
<td>CSCI.1066 Diagnostics Methods in CSD</td>
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<td>CSCI.1230 Introduction to Audiology</td>
<td>3</td>
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<td>CSCI.1601 Language Development in Preschool Years</td>
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<td>ASL-UE.91 American Sign Language: Level 1</td>
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<td><strong>Unrestricted Electives</strong></td>
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<td><strong>Additional Requirements</strong></td>
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<td>SAHS-UE.1 New Student Seminar Writing Proficiency Examination</td>
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NYU STEINHARDT DEPARTMENT OF COMMUNICATIVE SCIENCES AND DISORDERS THE STEINHARDT SCHOOL OF CULTURE, EDUCATION, AND HUMAN DEVELOPMENT BULLETIN 2012-2014
COMMUNICATIVE SCIENCES AND DISORDERS MINOR

The Communicative Sciences and Disorders (CSD) minor is open to all undergraduate students at NYU with the exception of students majoring in CSD through Steinhardt. This minor can enable students to complete prerequisite courses required for graduate programs in speech pathology.

The minor consists of 15–18 points and has one required course, CSD-UE.17, Introduction to Communicative Sciences and Disorders, which may be taken at any point during a student’s course of study. Students in the minor must take at least three courses from the Department of Communicative Sciences and Disorders. Remaining courses may be taken in Linguistics, Psychology, or American Sign Language. Please see requirements below for a list of non-departmental approved courses that satisfy the minor.

Students wishing to declare a minor in Communicative Sciences and Disorders, please note: Consult with an advisor from your department or school before meeting with the advisor from our program.

Special Graduate School Advisement Suggestion
For those students wishing to pursue a graduate degree in Communicative Sciences and Disorders, the following courses are recommended, as they are typically considered prerequisites for any graduate level coursework in the field:

CSD-UE.8 Anatomy and Physiology of the Speech and Hearing Mechanism (3 points)
CSD-UE.61 Phonetics and Phonemics (3 points)
CSD-UE.1601 Language Development in the Preschool Years (3 points)

REQUIRED COURSES
CSD-UE.17 Introduction to Communicative Sciences and Disorders (4 points) (This course may be taken at any point in a student’s course of study.)

Restricted Electives: at least two electives from the following CSD courses:
CSD-UE.8 Anatomy and Physiology of the Speech and Hearing Mechanism (3 points)
CSD-UE.9 Neuroanatomy and Physiology of Communication (3 points)
CSD-UE.33 Voices and Listeners (4 points) CSD-UE.1012 Introduction to Neurogenic Communication Disorders (3 points) (Pre/Co-Req: CSD-UE.9)
CSD-UE.61 Phonetics and Phonemics (3 points) (May substitute LING-UA.11)
CSD-UE.402 Acoustic Phonetics (3 points) (Pre-Requisite: CSD-UE.61 or LING-UA.11)
CSD-UE.1101 Introduction to Articulation Disorders (3 points) (Pre-Requisite: CSD-UE.61 or LING-UA.11)
CSD-UE.1015 Communication Disorders and Aging (3 points)
CSD-UE.1045 Science of Language (4 points) (May substitute LING-UA.1 or LING-UA.2)
CSD-UE.1601 Language Development in the Preschool Years (3 points)
CSD-UE.1207 Introduction to Language Disorders (3 points) (Pre-Requisite: CSD-UE.1601)
CSD-UE.1230 Introduction to Audiology (3 points)
CSD-UE.1205 Audiology Intervention Strategies (3 points) Pre-Requisite: CSD-UE.1230

Non-Departmental Approved Electives
In addition to all the courses listed above, student may also chose following NON-CSD COURSES. (All courses listed below are 4 points.)

AMERICAN SIGN LANGUAGE
ASL-UE.91-94 American Sign Language I-IV (Maximum of two courses at any level)

LINGUISTICS
LING-UA.2 Introduction to Linguistics (offered at least every year)
LING-UA.1 Language (offered every semester)
LING-UA.5 Introduction to Psycholinguistics (offered occasionally)
LING-UA.11 Sound and Language (offered at least every fall)
LING-UA.12 Phonological Analysis (pre-requisite LING-UA.11 or permission of instructor)
LING-UA.13 Grammatical Analysis (pre-requisite LING-UA.1, LING-UA.2, LING-UA.28 or permission of instructor)
LING-UA.18 Bilingualism (offered occasionally)
LING-UA.28 Language and Mind (offered every year)
LING-UA.48 Linguistics as Cognitive Science (permission of instructor)

PSYCHOLOGY
PSYCH-UA.25 Introduction to Cognitive Neuroscience (offered every semester)
PSYCH-UA.29 Cognition (offered every semester)

APSY-UE.631 Survey of Developmental Psychology or PSYCH-UA.34 Developmental Psychology (offered every semester)

PSYCH-UA.55 Psychology, Neuropsychology, and Medicine (pre-requisite: PSYCH-UA.24 or a year of biology or permission of instructor)
PSYCH-UA.56 The Psychology of Language (Pre-requisite: PSYCH-UA.1 or LING-UA.1)

Schedule of CSD Course Offerings
CSD COURSES OFFERED IN FALL SEMESTER:
CSD-UE.17 Introduction to Communicative Sciences and Disorders
CSD-UE.61 Phonetics and Phonemics
CSD-UE.1601 Language Development in the Preschool Years
CSD-UE.1012 Introduction to Neurogenic Communication Disorders (Co-Requisite: CSD-UE.9)
CSD-UE.1230 Introduction to Audiology
CSD-UE.9 Neuroanatomy and Physiology of Communication
CSD-UE.1045 Science of Language

CSD COURSES OFFERED IN SPRING SEMESTER:
CSD-UE.8 Anatomy and Physiology of the Speech and Hearing Mechanism
CSD-UE.33 Voices and Listeners (4 points) CSD-UE.402 Acoustic Phonetics (Pre-Requisite: CSD-UE.61)
CSD-UE.1015 Communication Disorders in Aging
CSD-UE.1101 Introduction to Articulation Disorders (Pre-Requisite: CSD-UE.61)
CSD-UE.1205 Audiology Intervention Strategies (Pre-Requisite: CSD-UE.1230)
CSD-UE.1207 Introduction to Language Disorders (Pre-Requisite: CSD-UE.1601)
FACULTY

Offiong Aqua, Clinical Associate Professor. M.D. 1986, Faculty of Medicine at Friendship University, Moscow, Russia.


Gina Canterucci, Clinical Instructor. B.S. 1994, Ohio; M.A. 1997, Case Western Reserve; CCC-SLP.

Erin Embry, Clinical Instructor. B.S. 1995, Western Kentucky; M.S. 2001, College of Saint Rose; CCC-SLP.

Maria Grigos, Associate Professor. B.S. 1991, New York; M.S. 1993, Ph.D. 2002, Columbia; CCC-SLP.

Harriet B. Klein, Professor. B.A. 1958, M.A. 1960, Brooklyn College (CUNY); Ph.D. 1978, Columbia; CCC-SLP.


Tara McAllister Byun, Assistant Professor. A.B., A.M. 2003, Harvard; M.S. 2007, Boston University; Ph.D. 2009, MIT.

Christina Reuterskiöld, Associate Professor. B.S. 1986, Lund; M.S. 1988, Boston; Dr. Med. Sc. 1999, Lund; CCC-SLP.


Celia F. Stewart, Chair and Associate Professor. B.S. 1973, Colorado State; M.S. 1976, Phillips; Ph.D. 1993, New York; CCC-SLP.

Training Specialists

Anne Marie Skvarla, Clinic Director. B.S., M.A.; CCC-SLP.

Erasmia Ioannou Benakis, Externship Director. B.A., M.A.; CCC-SLP.

Adjunct Faculty 25

COURSES

Please be advised that licensing agencies and placement facilities in your field of study may require that you undergo a criminal background check, the results of which the agency or facility must find acceptable prior to placement or licensure.

CSCD-UE: COMMUNICATIVE SCIENCES AND DISORDERS

Anatomy and Physiology of Speech and Hearing Mechanism
CSCD-UE.8 • 45 hours: 3 points. Spring.

Neuroanatomy and Physiology of Communication
CSCD-UE.9 • 45 hours: 3 points. Fall.

Introduction to Communicative Sciences and Disorders
CSCD-UE.17 • 60 hours: 4 points. Fall.

Voices and Listeners
CSCD-UE.33 • 45 hours: 3 points. Spring.

Phonetics and Phonemics of American English
CSCD-UE.61 • 45 hours: 3 points. Fall.

Speech for International Students and Nonnative Speakers of English
CSCD-UE.1005 • 30 hours: 2 points. Fall, spring. For undergraduate students.

Introduction to Neurogenic Communication Disorders
CSCD-UE.1012 • 45 hours: 3 points. Fall.

Communication Disorders and Aging
CSCD-UE.1015 • 45 hours: 3 points. Spring.

Science of Language
CSCD-UE.1045 • 60 hours: 4 points. Fall.

An Introduction to Methods and Materials for Diagnosis and Therapy in Communication Disorders
CSCD-UE.1065 • 45 hours plus 25 hours field observation: 3 points. Spring. Prerequisites: CSCD-UE.17 and CSCD-UE.1601, or permission of instructor.

Diagnostic Methods in Communicative Sciences and Disorders
CSCD-UE.1066 • 45 hours 3 points. Fall. Prerequisites: CSCD-UE.17 plus one of the following: CSCD-UE.1015, CSCD-UE.1101, CSCD-UE.1207.

Introduction to Articulation Disorders
CSCD-UE.1101 • 45 hours: 3 points. Spring. Prerequisites: CSCD-UE.17 and CSCD-UE.61, or permission of instructor.

Audiology: Intervention Strategies with Children
CSCD-UE.1205 • 45 hours: 3 points. Spring. Prerequisite: CSCD-UE.1230 or equivalent, or permission of instructor.

Introduction to Language Disorders in Children
CSCD-UE.1207 • 45 hours: 3 points. Spring. Prerequisite: CSCD-UE.1601.

Introduction to Audiology
CSCD-UE.1230 • 45 hours: 3 points. Fall.

Acoustic Phonetics
CSCD-UE.402 • 45 hours: 3 points. Spring. Prerequisites: CSCD-UE.0008 (may be taken concurrently) and CSCD-UE.61, or permission of instructor.

Language Development in the Preschool Years
CSCD-UE.1601 • 45 hours: 3 points. Fall.