
SPEECH–LANGUAGE–HEARING SCIENCES (Ph.D.)

Executive Officer: Professor Klara Marton

The Graduate Center

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FACULTY (AS OF JULY 2009)

Rachel A. Annunziato ■ Giulia Maria Luisa Bencini ■ Dianne C. Bradley ■ Patricia J. Brooks ■ Rochelle Cherry ■ Miranda Cleary ■ G. Albyn Davis ■ Linnea C. Ehri ■ Nancy Eng ■ Naama Friedmann ■ Stanley A. Gelfand ■ Sima Gerber ■ Joanne E. Gerenser ■ Martin R. Gitterman ■ Hilary Thompson Gomes ■ Mira Goral ■ Harvey Halpern ■ Arild G. Hestvik ■ James J. Jenkins ■ Cathy Lynn Lazarus ■ Susannah V. Levi ■ Ciara Leydon ■ Ruth Y. Litovsky ■ John L. Locke ■ Glenis R. Long ■ Jane R. Madell ■ Brett A. Martin ■ Klara Marton ■ Michael Newman ■ Loraine K. Obler ■ John P. Preece ■ Adrienne Rubinstein ■ Frances L. V. Scheffler ■ Richard G. Schwartz ■ Liat Seiger ■ Valerie L. Shafer ■ Shlomo Silman ■ Carol A. Silverman ■ Winifred Strange ■ Mario A. Svirsky ■ Ofer Tchernichovski ■ Barbara E. Weinstein ■ Joyce F. West

For the most up-to-date faculty listings and specializations, see the program's Web site.

THE PROGRAM

The Ph.D. Program in Speech–Language–Hearing Sciences stresses strong theoretical and empirical training in the nature and processes of human communication and its disorders in preparing its graduates for research and academic careers. Although programs of study focus on specific specializations within the speech, language, and hearing sciences, relevant interdisciplinary study is encouraged. Research training is conducted both at the Graduate Center and at cooperating research facilities under the mentorship of leading investigators. The Ph.D. Program in Speech–Language–Hearing Sciences at the Graduate Center includes research-teaching laboratories in developmental psycholinguistics, cochlear implants, tactile aids, digital sensory aids, electrophysiology, and neurolinguistics. In addition, areas for which research laboratory support exists include speech science, audiology, psychoacoustics, and speech perception and production. The research facilities at Albert Einstein College of Medicine, Haskins Laboratories, the Lexington Center, the League for the Hard of Hearing, and NYU-Bellevue Medical Center are among the cooperating agencies that provide research training to doctoral students. Consortial cooperation also exists between the Graduate Center and the CUNY senior colleges, particularly the clinical facilities at Brooklyn, Hunter, Lehman, and Queens colleges, which provide clinical research settings.

Fellowships, Research Assistantships, and Traineeships

In addition to University awards, other forms of financial assistance are available through the Ph.D. program. These include research assistantships that are supported by grants to members of the faculty and/or research staff; predoctoral and postdoctoral research traineeships supported by the National Institutes of Health/NIDCD to qualified students who are U.S. citizens or permanent residents; and clinical traineeships from the Veterans Administration Medical Centers. These awards enable students to pursue full-time doctoral study, are service connected, and require students to participate in research and/or clinical activities for a stipulated number of hours each week.

SPECIAL REQUIREMENTS FOR ADMISSION

In addition to meeting the general University requirements, applicants must present an adequate background, as judged by the Admissions Committee, in such areas as the biological, behavioral, physical, linguistic, and social foundations of human communication. Students with deficiencies in preparation may be admitted but will be required to remove these deficiencies by taking courses without credit.

SPECIAL REQUIREMENTS FOR THE DOCTOR OF PHILOSOPHY

In addition to the general University requirements stated earlier in this bulletin, the student must complete the following special requirements.

Course of Study A minimum of 60 credits of approved graduate work is required. Beginning students take courses designed to increase their knowledge of normal and abnormal processes of communication, to remedy deficiencies in previous preparation, and to prepare them for the First Examination. Formal course work culminates in a series of advanced studies and seminar courses and independent tutorials that relate to the student's area of specialization.

Every student enrolled in the program takes a required set of courses (EPSY 70500, 70600 or PSY 70500, 70600), research design (SPCH 71900), research instrumentation (SPCH 76400), and professional issues (SPCH 79500). SPCH 71900 will normally be taken after completion of EPSY 70500 and 70600 or PSY 70500 and 70600. SPCH 76400 can be taken out of sequence. Exemptions from one or more of these courses may be granted to students who can satisfactorily demonstrate competence in these areas. No more than 3 credits of clinical practicum may be applied toward the 60-credit minimum. Cross-disciplinary programs may be developed with the approval of the Executive Officer and an advisory committee.

First Examination Students are required to write a paper representing a preliminary research project on a topic approved by an advisor. Students are expected to pass the First Examination before 45 credits are completed.

Research Techniques Students are required to demonstrate competence in statistics, research design, and instrumentation. These requirements are met by the completion of the following courses in which a grade of B- or better is achieved in each: EPSY 70500 and 70600 or PSY 70500 and 70600 (statistics), SPCH 71900 (Research Design), and SPCH 76400 (Instrumentation).

Second-Year Research Project Each student is required to complete a research project under the supervision of a faculty member prior to the Second Examination. The completed written project is submitted to the faculty supervisor for approval and subsequently presented orally to faculty and students. The final document is submitted for acceptance by the Executive Officer.

Second Examination The Second Examination is taken upon satisfactory completion of all course and program requirements. This examination is oral and is administered by the student's advisory committee. The Second Examination is based on specific areas of specialization chosen by the student with the approval of the students' advisory committee. Any deviation from this format requires approval by the advisory committee and the Executive Officer.

Dissertation Each student preparing a dissertation proposal is required to enroll in SPCH 89900, Dissertation Seminar, each semester until the completed proposal is approved by the student's dissertation committee. The seminar is attended by the program faculty, the student's dissertation chair, and other students preparing dissertation proposals. The format of the seminar facilitates the reporting and monitoring of progress toward the completion of the dissertation proposal.

The student will prepare a dissertation under the supervision of a dissertation committee. When the dissertation has been approved, the student defends it before an examining committee consisting of the student's dissertation committee and an outside examiner.

Research Experience/College Teaching/Clinical Supervision Each student must complete a minimum of two semesters of research training during the first three years in the program. Such training may coincide with the student's meeting the full-time residency requirement. Students are encouraged to engage in classroom teaching and clinical supervision at college or university facilities.

DUAL DEGREE PROGRAM IN AUDIOLOGY AND SPEECH-LANGUAGE-HEARING SCIENCES (PENDING APPROVAL FROM THE NEW YORK STATE EDUCATION DEPARTMENT)

The Dual Degree Program in Audiology and Speech–Language–Hearing Sciences will allow graduate students to concurrently complete the existing Doctor of Audiology (Au.D.) and Doctor of Philosophy (Ph.D.) in Speech–Language–Hearing Sciences. The Au.D. is a clinical doctorate and the curriculum of the Au.D. Program is geared toward the preparation of competent clinicians in audiology. The Ph.D. in Speech–Language–Hearing Sciences is a research doctorate and the curriculum is geared toward training researchers and academics. It is generally desirable for faculty in Audiology and in Speech and Language Pathology to have a clinical credential as well as research training, which typically is gained in a program leading to the Ph.D. Since Audiology has become a doctoral-level profession, the most desirable future faculty member will possess both doctoral degrees. At the current time, it is not possible for a student to concurrently enroll in two programs at the Graduate Center. The dual degree program will allow such an enrollment and will coordinate the two programs as much as possible with the goal of reducing redundancy and therefore increasing efficiency in completion of the two degree programs without compromising the integrity of either program.

Courses

First-level courses (60000) may be required to remove deficiencies but will not be credited toward the doctorate. See the individual college catalogs for a listing of these courses. 60000- and 70000-level courses are offered at one or more units of the University. The student's advisory committee may recommend or require him/her to take courses outside the program, in which case the committee will determine the level at which such courses will be credited. Studies courses are designed to provide for critical review of pertinent literature to the end of delineating the boundaries of knowledge in selected areas. With the approval of the student's advisory committee, Studies courses may be repeated for credit. Seminar courses are designed to provide students with a critical forum for their original scholarship. With approval of the student's advisory committee, seminars may be repeated for credit.

Unless otherwise stated, *all courses are 3 credits.*

Speech, Language, and Hearing Sciences

SPCH 70400 The Psychology of Speech

SPCH 70500 Speech Science

SPCH 70600 Hearing Science

SPCH 70700 Language Science

SPCH 70900 Introduction to Linguistics for Neurolinguistics

SPCH 71000 Psychological Acoustics

SPCH 71100 Physiological Acoustics

SPCH 71200 Neural Processes of Speech, Language, and Hearing

SPCH 71300 Neurophysiology of Language

SPCH 71500 Introduction to Neurolinguistics

Prerequisite: Speech and Hearing 709 or equivalent

SPCH 71700 The Acquisition of Language

SPCH 71900 Advanced Research Design and Practicum

Prerequisite: Statistical Methods in Psychology I and II (PSYC 70500, 70600)

SPCH 72800 Advanced Anatomy, Physiology, and Neurology of the Speech Mechanism

SPCH 76400 Instrumentation for Research in Speech and Hearing Science

SPCH 76500 Methods for Analysis and Editing of Acoustic Signals

SPCH 80100 Theories of Hearing

Prerequisite: SPCH 71100 Physiological Acoustics

SPCH 80400 Studies in Speech and Voice Science

SPCH 80500 Studies in Speech and Language

SPCH 80600 Studies in Hearing Science

SPCH 80700 Seminar in Speech and Language

SPCH 80800 Seminar in Hearing Science

SPCH 80900 Seminar in Speech Science

SPCH 81000 Seminar in Voice Science

SPCH 81500 Studies in the Neurolinguistics of Bilingualism

SPCH 81700 Cross-Language Differences in Speech Perception and Production

Speech and Language Pathology

SPCH 72000 Clinical Practices and Procedures in Speech-Language Pathology

SPCH 72100 Language Disorders in Children

SPCH 72200 The Nature of Stuttering

SPCH 72300 The Diagnosis and Treatment of Stuttering

SPCH 72400 Neuromotor Communication Disorders

SPCH 72500 Diagnostic Approaches to Speech and Language Disorders

SPCH 72600 Aphasia and Related Disorders of Speech

SPCH 72700 Voice Disorders

SPCH 72900 Clinical Practicum in Speech and Language Pathology

45 hours per credit, 1, 2, or 3 credits supervised clinical experience (Not more than 3 credits of practicum may be applied to the Ph.D. degree.)

SPCH 73000 Speech Disorders: Articulation

SPCH 73200* Speech and Language Problems of the Mentally Retarded

SPCH 73300 Phonological Acquisition and Disorders

SPCH 82000 Studies in Speech Pathology

SPCH 82100 Studies in Language Pathology

SPCH 82200 Seminar in Speech Pathology

SPCH 82300 Seminar in Language Pathology

SPCH 82500 Studies in Language in Aging and Dementia

SPCH 82600 Studies in Typical and Atypical Language Acquisition

SPCH 82700 Studies in Typical and Atypical Phonological Acquisition

SPCH 82800 Seminar on Research Methods in Language Acquisition

Clinical Audiology and Hearing Impairment

SPCH 74000 Communication Skills for the Hearing Handicapped

SPCH 74100 Diagnostic Audiology

SPCH 74200 Hearing Aids

SPCH 74300 Audiological Assessment of the Young Child

SPCH 74400 Community and Industrial Program in Audiology

SPCH 74500 Auditory Disorders in Children

SPCH 74700 Experimental Audiology

SPCH 74900 Clinical Practicum in Audiology

45 hours per credit, 1, 2, or 3 credits supervised clinical experience (Not more than 3 credits of practicum may be applied to the Ph.D. degree)

SPCH 80100 Auditory Physiology and Modeling

SPCH 80200 Models of Auditory Perception

SPCH 84000 Studies in Audiology

SPCH 84200 Seminar in Audiology

SPCH 84300 Sensory Aids for Hearing Impairment

SPCH 84400 Psychophysics of Sensorineural Hearing Loss

General Courses

SPCH 79300 The Responsible Conduct of Research (Research Ethics)

1 credit

Co-requisite: SPCH 79500

SPCH 79400 College Teaching

SPCH 79500 Professional Issues Seminar

45 hours, 2 credits

SPCH 79600 Special Problems

SPCH 89800 Independent Study

Prerequisite: Permission of the instructor. May be repeated with credit.

SPCH 89900 Dissertation Seminar

Required of all students until their dissertation proposals are approved, and repeated each semester without credit.

SPCH 90000 Dissertation Supervision

1 credit

*offered infrequently