

UNDERGRADUATE MAJOR REQUIREMENTS: SPEECH & HEARING SCIENCE (SHS)

Minimum requirements to be accepted

To apply to the department as a prospective Speech and Hearing Science major, you must have a minimum of 30 semester hours with a **“C” overall average** (2.0). In addition, you must have completed CDS 151, 286 and 288 with a combined grade point average (GPA) of 2.5 or better. *Note that all new UB freshmen who declare an intention to major in Speech and Hearing Science will be directly admitted into the major.*

REQUIREMENTS FOR GRADUATION: Speech and Hearing Science (SHS)

The Bachelor of Art’s degree includes 31 required credits that must be taken in the CDS department with a minimum of 27 required credits that can be taken outside the CDS department. Of the 31 credits of departmental courses, a minimum of 20 credits of CDS courses must be completed at UB.

To graduate you must earn an overall **GPA of 2.5 in CDS courses**. CDS courses with a grade of **less than C-** will not be acceptable for the departmental average requirement and must be retaken for a grade of **C- or better**. You are not allowed to elect S/U grading in department courses.

A. Departmental Major Requirements: (31 credits)

- CDS 151 Introduction to Speech-Language Pathology and Audiology (3)
- CDS 286 Phonetics (3)
- CDS 288 Anatomy & Physiology of Speech Mechanism (3)
- CDS 289 General and Speech Acoustics (3)
- CDS 290 Audiology: Diagnosis and Management (3)
- CDS 301 Language Development in Children (3)
- CDS 387 Psychoacoustic Science (3) (Prereq. CDS 289)
- CDS 392 Phonological Disorders: Diagnosis & Management (3) (Prereq. CDS 286)
- *CDS 480 Clinical Observation and Participation (1) (senior standing)
- *CDS 482 Diagnostics in Communicative Disorders (3) (senior standing)
- *CDS 484 Aural Rehabilitation (3) (Prereq. CDS 290) (senior standing)

**For SHS majors only.*

B. Department Electives: (Not a requirement)

- CDS 402 Language Disorders in Children (3) (Prereq. CDS 301)
- *CDS 428 Neural Basis of Communication (3) (senior standing)
- CDS 449 Cultural & Linguistic Diversity (3) (Fall only) (senior standing)
- *CDS 485 Speech Pathology in the Schools (3) (senior standing)
- CDS 496 UG Internship (3)
- CDS 497 Departmental Honors Thesis or Project (1-3) (Acceptance into departmental Honors Program)
- CDS 498 Undergraduate Research and Creative Activity (1-3) (with permission of instructor)
- CDS 499 Independent Study (1-4) (with permission of instructor)

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Email: cdsdept@buffalo.edu Phone: (716) 829-2797

C. **Courses Required Outside the CDS Department:** (Min. 27 credits) These can be taken S/U. Note that courses taken to satisfy the UB curriculum/general education requirements may **NOT** be taken for S/U grading.

1. **Technical Skills:** (6 credits or more)

- a. Statistics Course (3 credits or more) – Choose **ANY 1** of the following courses:
PSY 207; SOC 294; SSC 225; STA 119; CEP 207 or STA 111
- b. Computer Course (4 credits) –
CSE 101 Computers: A General Intro (4)
MGQ 201 Introduction to Computers & Statistics (4)

2. **Human Biology Requirement:**

Choose **ONE** from below for a total of 3 credits or more:

- BIO 129 LEC Perspectives in Human Biology (3)
- BIO 130 LEC Perspectives in Human Biology (3)
- BIO 200 LEC Evolutionary Biology (5)
- ES 207 LEC Fundamentals of Human Form and Function – (online course) (4)
- PAS 113 LEC Human Anatomy (4)
- SW 101 LEC The Social Context and Human Biology – (online course) (3)

3. **Physical Science Requirement:**

Choose **ONE** from below for a total of 3 credits or more:

- ANY (3 credit) Chemistry course (CHE)
- ANY (3 credit) Physics course (PHY)

4. **Math Requirement:**

Choose **ONE** from below for 3 credits or more:

- MTH 115 Survey of Algebra and Trigonometry (4)
- MTH 121 Survey of Calculus and Its Applications I (4)
- MTH 141 College Calculus I (4)
- ULC 148 Pre-Calculus Intermediate Algebra and Trigonometry (4)

5. **Linguistics Requirement:**

Choose **ONE** of the following: (3 credits)

OR an upper level 300 or 400 LIN course other than LIN 355 and LIN 496.

- LIN 205 Introduction to Linguistic Analysis (3)
- LIN 207 Language, Society and the Individual (3)

6. **Human Behavior:** (9 credits)

Related Areas Requirement:

- a. PSY 101 Introductory Psychology (3)

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AND ANY TWO of the following:

- b. AAS 333 Race, Ethnicity and Education (3)
- APY 311 Psychological Anthropology (3)
- LAI 205 Introduction to Child Development (3)
- NSG 250 Human Growth and Development (3)
- PSY 321 Psychology of Personality (3)
- PSY 322 Abnormal Psychology (3)
- PSY 331 Social Psychology (3)
- PSY 336 Developmental Psychology (3)
- SSC 208 Introduction to Child Development and Learning (3)
- SSC 363 The Aging Process (3)
- SOC 304 Sociology of Aging (3)
- SOC 308 Lives in Time and Place (3)
- SOC 313 Sociology of the Families (3)
- SOC 314 Sociology of Gender (3)

Transfer course(s) may be used to waive certain major requirements.

Students interested in pursuing a Graduate degree in Communicative Disorders and Sciences (CDS), the following courses are available for NEW YORK STATE CERTIFICATION – TEACHER OF STUDENTS WITH SPEECH AND LANGUAGE DISABILITIES.

Completion of A, B, and C.

- A. CDS 485 Speech Pathology in the Schools (3)
- B. CDS 482 Diagnostics (3)
- C. Choose **ANY TWO** of the following:
 - CEP 400 Educational Psychology (3)
 - ELP 405 Sociology of Education (3)
 - LAI 205 Introduction to Child Development and Learning (3)
 - PSY 336 Developmental Psychology (3)