UNDERGRADUATE MAJOR REQUIREMENTS: SPEECH & HEARING SCIENCE (SHS)

MINIMUM REQUIREMENTS FOR DEPARTMENTAL ACCEPTANCE

To apply to the department as a prospective Speech and Hearing Science major, currently you must have a minimum of 30 semester hours with at least 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. We are hoping that starting January 2019, all freshmen entering UB 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)

To graduate you must have earned 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. The major includes 31 required credits that must be taken in the CDS department and a minimum of 27 required credits to 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.

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)  (Prereq. CDS 286 and CDS 288)
CDS 290 Audiology: Diagnosis and Management (3)
CDS 301 Language Development in Children (3)
CDS 387 Psychoacoustic Science (3)  (Prereq. CDS 289)
*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)

*These courses are for SHS majors only.

B. Department Electives:  (Not required)

CDS 402 Language Disorders in Children (3)  (Prereq. CDS 301)
*CDS 428 Neural Basis of Communication (3)  (senior standing)
*CDS 485 Speech Pathology in the Schools (3)  (senior standing)
CDS 491 UG Internship (3)
CDS 491 Special Topic: Disorders of Memory (3)  (senior standing)  (Spring only)
CDS 491 Special Topic: Cultural & Linguistic Diversity (3)  (Fall only)
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)

*These courses are for SHS majors only.

C. Courses Required Outside the CDS Department:  (Min. 27 credits)  (Can be taken S/U; 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) – Choose ANY 1 of the following courses:  
   CSE 101 Computers: A General Intro (4 crs.) or MGQ 201 Introduction to Computers & Statistics (4 crs.)
2. **Human Biology Requirement**:  
Choose **ANY 1** 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 **ANY 1** 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 **ANY 1** 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 **ANY 1** 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)  

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.
For students wishing to pursue 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.

Complete 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)