

# COMMUNICATION SCIENCES AND DISORDERS, B.S.

The major in communication sciences and disorders provides students with opportunities for study in the areas of speech–language pathology, audiology, and the normal aspects of speech, hearing, and language. Most students pursue this major because they hope to work as a licensed and certified clinical speech-language pathologist or audiologist, assisting clients with communication impairments arising from acquired neurological conditions, developmental conditions, genetic conditions, or unknown causes. Professional clinical practice follows completion of a master’s degree in speech–language pathology, or a doctor of audiology degree. Some students pursue the undergraduate major as a foundation for a research career in speech, language or hearing sciences. Others pursue the major as a preliminary step toward advanced training in other professional fields (e.g., medicine, nursing, special education), or as a liberal arts degree that could lead to a variety of different career paths (speech–language pathology assistant, educational assistant, line therapist).

The major in communication sciences and disorders can be completed through the College of Letters & Science, or through the School of Education. Students select one program to follow, and should be aware that the two programs differ somewhat in their requirements. Moreover, each program (L&S and Education) has its own general liberal studies requirements. Students should plan to complete many of these general requirements as well as some courses in communication sciences and disorders during their first and second years on this campus.

The department is accredited in speech–language pathology and in audiology by the Council on Academic Accreditation of the American Speech–Language–Hearing Association (ASHA). Therefore, academic courses and clinical practica in the Department of Communication Sciences and Disorders may be applied toward clinical certification by ASHA (speech language pathology or audiology), and toward state licensure.

## HOW TO GET IN

Students are urged to consult with an undergraduate academic advisor as soon as they have decided to major in this field. Course sequencing in the major is not flexible. Certain courses are prerequisites to others.

### DECLARING THE MAJOR

Students in the College of Letters and Science may declare a major in CS&D by sending an email to [undergrad@csd.wisc.edu](mailto:undergrad@csd.wisc.edu):

- State that you would like to declare a major in CS&D
- Include your full name and student ID number

## REQUIREMENTS

### UNIVERSITY GENERAL EDUCATION REQUIREMENTS

All undergraduate students at the University of Wisconsin–Madison are required to fulfill a minimum set of common university general education

requirements to ensure that every graduate acquires the essential core of an undergraduate education. This core establishes a foundation for living a productive life, being a citizen of the world, appreciating aesthetic values, and engaging in lifelong learning in a continually changing world. Various schools and colleges will have requirements in addition to the requirements listed below. Consult your advisor for assistance, as needed. For additional information, see the university Undergraduate General Education Requirements (<http://guide.wisc.edu/undergraduate/#requirementsforundergraduatetext>) section of the *Guide*.

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|-------------------|--|
| General Education | <ul style="list-style-type: none"> <li>• Breadth—Humanities/Literature/Arts: 6 credits</li> <li>• Breadth—Natural Science: 4 to 6 credits, consisting of one 4- or 5-credit course with a laboratory component; or two courses providing a total of 6 credits</li> <li>• Breadth—Social Studies: 3 credits</li> <li>• Communication Part A &amp; Part B *</li> <li>• Ethnic Studies *</li> <li>• Quantitative Reasoning Part A &amp; Part B *</li> </ul> |
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\* The mortarboard symbol appears before the title of any course that fulfills one of the Communication Part A or Part B, Ethnic Studies, or Quantitative Reasoning Part A or Part B requirements.

## COLLEGE OF LETTERS & SCIENCE DEGREE REQUIREMENTS: BACHELOR OF SCIENCE (B.S.)

Students pursuing a Bachelor of Science degree in the College of Letters & Science must complete all of the requirements below. The College of Letters & Science allows this major to be paired with either the Bachelor of Arts or the Bachelor of Science degree requirements.

### BACHELOR OF SCIENCE DEGREE REQUIREMENTS

Mathematics	Complete two courses of 3+ credits at the Intermediate or Advanced level in MATH, COMP SCI, or STAT subjects. A maximum of one course in each of COMP SCI and STAT subjects counts toward this requirement.
Foreign Language	Complete the third unit of a foreign language.
L&S Breadth	Complete: <ul style="list-style-type: none"> <li>• 12 credits of Humanities, which must include at least 6 credits of Literature; and</li> <li>• 12 credits of Social Science; and</li> <li>• 12 credits of Natural Science, which must include 6 credits of Biological Science and 6 credits of Physical Science.</li> </ul>
Liberal Arts and Science Coursework	Complete at least 108 credits.
Depth of Intermediate/Advanced Coursework	Complete at least 60 credits at the Intermediate or Advanced level.
Major	Declare and complete at least one major.
Total Credits	Complete at least 120 credits.
UW-Madison Experience	Complete both: <ul style="list-style-type: none"> <li>• 30 credits in residence, overall, and</li> <li>• 30 credits in residence after the 86th credit.</li> </ul>

Quality of Work • 2.000 in all coursework at UW–Madison  
 • 2.000 in Intermediate/Advanced level coursework at UW–Madison

## NON–L&S STUDENTS PURSUING AN L&S MAJOR

Non–L&S students who have permission from their school/college to pursue an additional major within L&S only need to fulfill the major requirements. They do not need to complete the L&S Degree Requirements above.

## REQUIREMENTS FOR THE MAJOR

### CS&D COURSES

10 courses and 30 credits from:

Code	Title	Credits
CS&D 201	Anatomy and Physiology of Speech Production	3
CS&D 202	Normal Aspects of Hearing	3
CS&D 210	Neural Basis of Communication	3
CS&D 240	Language Development in Children and Adolescents	3
CS&D 303	Speech Acoustics and Perception	3
CS&D 315	Phonetics and Phonological Development	3
CS&D 318	Voice, Craniofacial, and Fluency Disorders	3
CS&D 320	Introduction to Audiology	3
CS&D 425	Auditory Rehabilitation	3
CS&D 440	Child Language Disorders, Assessment and Intervention	3
<b>Total Credits</b>		<b>30</b>

### COURSES IN RELATED AREAS

18 credits and one course from each of the following areas:

#### Psychology

Code	Title	Credits
PSYCH 202	Introduction to Psychology	3-4
HDFS 362	Development of the Young Child	3
HDFS 363	Development from Adolescence to Old Age	3

#### Statistics

Code	Title	Credits
STAT 301	Introduction to Statistical Methods	3
STAT 302	Accelerated Introduction to Statistical Methods	3
STAT 311	Introduction to Theory and Methods of Mathematical Statistics I	3
STAT 371	Introductory Applied Statistics for the Life Sciences	3
PSYCH 210	Basic Statistics for Psychology	3
SOC/C&E SOC 360	Statistics for Sociologists I	4

#### Linguistics

Code	Title	Credits
LINGUIS 101	Human Language	3
LINGUIS/ ANTHRO 301	Introduction to Linguistics: Descriptive and Theoretical	3
LINGUIS 303	Language, History, and Society	3
LINGUIS/ANTHRO/ FOLKLORE/ INTL ST 211	Global Language Issues	4
LINGUIS 237	Language & Immigration in Wisconsin	3
LINGUIS/ AMER IND 371	Survey of North American Indian Languages	3
LINGUIS/ ANTHRO 430	Language and Culture	3-4
ENGL 214	The English Language	3
ENGL 314	Structure of English	3
ENGL 318	Second Language Acquisition	3
SPANISH 321	The Structure of Modern Spanish	3
SPANISH 331	Spanish Applied Linguistics	3
SPANISH 327	Introduction to Spanish Linguistics	3

#### Ethnic Studies

Code	Title	Credits
AFROAMER/ HIST SCI/ MED HIST 275	Science, Medicine, and Race: A History	3
AMER IND/ ANTHRO 314	Indians of North America	3
ANTHRO 104	Cultural Anthropology and Human Diversity	3
ASIAN AM 101	Introduction to Asian American Studies	3
ASIAN AM/ AFROAMER/ AMER IND/CHICLA/ FOLKLORE 102	Introduction to Comparative US Ethnic and American Indian Studies	3
ASIAN AM 170	Hmong American Experiences in the United States	3
ASIAN AM/SOC 220	Ethnic Movements in the United States	3-4
CHICLA 201	Introduction to Chicana/o and Latina/o Studies	3
ENGL 319	Language, Race, and Identity	3
GEN&WS/SOC 200	Introduction to Lesbian, Gay, Bisexual, Transgender and Queer+ Studies	3-4
HISTORY/ CHICLA 153	Latina/Latino/Latinx History	3-4
HISTORY 227	Explorations in the History of Race and Ethnicity	3
HISTORY 403	Immigration and Assimilation in American History	3-4
L I S 202	Informational Divides and Differences in a Multicultural Society	3

SOC 134	Sociology of Race & Ethnicity in the United States	3-4
SOC/ASIAN AM 220	Ethnic Movements in the United States	3-4

**Biological Sciences in the major**

Code	Title	Credits
ANTHRO 105	Principles of Biological Anthropology	3
ANTHRO/BOTANY/ZOOLOGY 410	Evolutionary Biology	3
BIOCHEM 104	Molecules to Life and the Nature of Science <sup>1</sup>	3
BIOCORE 381	Evolution, Ecology, and Genetics	3
BIOLOGY/BOTANY/ZOOLOGY 151	Introductory Biology	5
ZOOLOGY/BIOLOGY 101	Animal Biology	3

**Physical Sciences in the major**

Code	Title	Credits
BIOCHEM 104	Molecules to Life and the Nature of Science <sup>1</sup>	3
CHEM 103	General Chemistry I	4
CHEM 108	Chemistry in Our World	5
CHEM 109	Advanced General Chemistry	5
PHYSICS 103	General Physics	4
PHYSICS 107	The Ideas of Modern Physics	3
PHYSICS 109	Physics in the Arts	3

**ELECTIVES**

Code	Title	Credits
CS&D 110	Introduction to Communicative Disorders	3
CS&D 371	Pre-Clinical Observation of Children and Adults	3
CS&D 424	Sign Language I	2

**RESIDENCE AND QUALITY OF WORK**

- 2.000 GPA in all CS&D and major courses
- 2.000 GPA on 15 upper-level major credits, taken in residence<sup>2</sup>
- 15 credits in CS&D, taken on the UW–Madison campus

**HONORS IN THE MAJOR**

Students may declare Honors in the Communication Sciences and Disorders Major in consultation with the undergraduate advisor in that department.

**HONORS IN THE MAJOR REQUIREMENTS**

To earn Honors in the Major in Communications Sciences and Disorders, students must satisfy both the requirements for the major (above) and the following additional requirements:

- Earn a 3.300 University GPA
- Earn a 3.300 in all CS&D and major courses

- Complete the following courses for Honors earning a grade of B or better in each:

Code	Title	Credits
CS&D 481	Undergraduate Junior Honors	3
CS&D 681 & CS&D 682	Senior Honors Thesis and Senior Honors Thesis	6
2 of the following for Honors:		6
CS&D 303	Speech Acoustics and Perception	
CS&D 320	Introduction to Audiology	
CS&D 440	Child Language Disorders, Assessment and Intervention	
<b>Total Credits</b>		<b>15</b>

**DISTINCTION IN THE MAJOR**

Students majoring in communication sciences and disorders who are not Honors candidates may earn Distinction in the Major, provided that they obtain consent of the department honors advisor, achieve a minimum GPA of 3.750 in CS&D and major courses, and satisfy these requirements:

Code	Title	Credits
<b>Two courses, taken for Honors</b>		
CS&D 303	Speech Acoustics and Perception	
CS&D 320	Introduction to Audiology	
CS&D 440	Child Language Disorders, Assessment and Intervention	
<b>Undergraduate Honors Seminar</b>		
CS&D 481	Undergraduate Junior Honors	

**FOOTNOTES**

- <sup>1</sup> BIOCHEM 104 can meet either the "Biological Science in the Major" or the "Physical Science in the Major" requirement, but not both. Please note that this course will *not* meet students' L&S Physical Science breath *degree requirement*.
- <sup>2</sup> These courses are considered upper level in the major: CS&D 303, CS&D 315, CS&D 318, CS&D 320, CS&D 371, CS&D 424, CS&D 425, CS&D 440, CS&D 699

**UNIVERSITY DEGREE REQUIREMENTS**

**Total Degree** To receive a bachelor's degree from UW–Madison, students must earn a minimum of 120 degree credits. The requirements for some programs may exceed 120 degree credits. Students should consult with their college or department advisor for information on specific credit requirements.

**Residency** Degree candidates are required to earn a minimum of 30 credits in residence at UW–Madison. "In residence" means on the UW–Madison campus with an undergraduate degree classification. "In residence" credit also includes UW–Madison courses offered in distance or online formats and credits earned in UW–Madison Study Abroad/Study Away programs.

**Quality of Work** Undergraduate students must maintain the minimum grade point average specified by the school, college, or academic program to remain in good academic standing. Students whose academic performance drops below these minimum thresholds will be placed on academic probation.

## LEARNING OUTCOMES

1. Acquire a foundational understanding of basic anatomy and physiology of speech, language, and hearing.
2. Understand integrative neuroscience foundations of speech, language, and hearing.
3. Obtain basic knowledge in statistical sciences, linguistics, biological/physical sciences, social sciences, and humanities as related to Communication Sciences & Disorders.
4. Develop an understanding of speech, language, and hearing disorders and the relationship to foundational aspects of speech, language and hearing science.
5. Be prepared for graduate school and/or a career in Communication Sciences & Disorders and related areas.

## FOUR-YEAR PLAN

### SAMPLE FOUR-YEAR PLAN

This Sample Four-Year Plan is a tool to assist students and their advisor(s). Students should use it—along with their DARS report, the Degree Planner, and Course Search & Enroll tools—to make their own four-year plan based on their placement scores, credit for transferred courses and approved examinations, and individual interests. As students become involved in athletics, honors, research, student organizations, study abroad, volunteer experiences, and/or work, they might adjust the order of their courses to accommodate these experiences. Students will likely revise their own four-year plan several times during college.

Please refer to the Requirements tab in Guide for additional College of Letters and Science Breadth and Degree Requirements as well as Residence and Quality of Work requirements for the major.

#### First Year

Fall	Credits	Spring	Credits
CS&D 201	3	CS&D 202	3
Communication A	3	Ethnic Studies content area course	3
Quantitative Reasoning A	4	Foreign Language	4
Foreign Language	4	Psych content area course	3
Physical Science Content Area Course	3	Biological Science content area course	3
<b>17</b>		<b>16</b>	

#### Second Year

Fall	Credits	Spring	Credits
CS&D 240	3	CS&D 210	3
INTER-LS 210	1	Statistics content area course	3

Quantitative Reasoning B	4	Communication B	4
Literature Breadth	3	Literature Breadth	3
Electives	3	Electives	3
<b>14</b>		<b>16</b>	

#### Third Year

Fall	Credits	Spring	Credits
CS&D 303	3	CS&D 425	3
CS&D 320	3	CS&D 440	3
Linguistics content area course	3	Social Science Breadth	3
Humanities Breadth	3	Electives	6
<b>12</b>		<b>15</b>	

#### Fourth Year

Fall	Credits	Spring	Credits
CS&D 315	3	CS&D 371	3
Electives	12	CS&D 318	3
		Electives	9
<b>15</b>		<b>15</b>	

**Total Credits 120**

## ADVISING AND CAREERS

CS&D advising services are focused on students who need to declare the major or who have already declared CS&D and need advising in the major.

A CS&D advisor can help with:

- Curricular planning and course access
- DARS interpretation
- Declaration of the major for L&S students
- Documentation of study abroad plans
- Identification, interpretation and application of most academic policies
- Major and degree requirements
- Exploration of interests in independent study and research
- Understanding the differences between paths to the major

**Students seeking to pursue graduate study in speech-language pathology or audiology** are urged to take CS&D 371 Pre-Clinical Observation of Children and Adults (3 cr) —to earn ASHA observation hours which are required for graduate school admission. Enrollment in CS&D 371 is by permission and is restricted to students who have earned a B or better in CS&D 201 Anatomy and Physiology of Speech Production, CS&D 202 Normal Aspects of Hearing, and CS&D 240 Language Development in Children and Adolescents.

The American Speech-Language-Hearing Association (ASHA) Standard IV-A (<https://www.asha.org/Certification/Course-Content-Areas-for-SLP-Standards/>) requires that Communication Sciences and Disorders students planning on continuing to graduate school must complete undergraduate coursework in the following areas: Biological Sciences, Physical Sciences (either Chemistry or Physics), Statistics, and Social Sciences and Behavioral Sciences to be eligible for professional certification. If you have questions about this, please contact [undergrad@csd.wisc.edu](mailto:undergrad@csd.wisc.edu).

Director of Undergraduate Studies  
 undergrad@csd.wisc.edu

Please visit our website (<https://csd.wisc.edu/undergraduate.htm>) for details on weekly advising sessions.

## L&S CAREER RESOURCES

SuccessWorks at the College of Letters & Science helps students leverage the academic skills learned in their major, certificates, and liberal arts degree; explore and try out different career paths; participate in internships; prepare for the job search and/or graduate school applications; and network with professionals in the field (alumni and employers). In short, SuccessWorks helps students in the College of Letters & Science discover themselves, find opportunities, and develop the skills they need for success after graduation.

SuccessWorks can also assist students in career advising, résumé and cover letter writing, networking opportunities, and interview skills, as well as course offerings for undergraduates to begin their career exploration early in their undergraduate career.

Students should set up their profiles in Handshake (<https://careers.ls.wisc.edu/handshake/>) to take care of everything they need to explore career events, manage their campus interviews, and **apply to jobs and internships from 200,000+ employers around the country.**

- SuccessWorks (<https://careers.ls.wisc.edu/>)
- Set up a career advising appointment (<https://careers.ls.wisc.edu/make-an-appointment/>)
- INTER-LS 210 L&S Career Development: Taking Initiative (1 credit, targeted to first- and second-year students)—for more information, see Inter-LS 210: Career Development, Taking Initiative (<https://careers.ls.wisc.edu/inter-ls-210-career-development-taking-initiative/>)
- INTER-LS 215 Communicating About Careers (3 credits, fulfills Com B General Education Requirement)
- Handshake (<https://careers.ls.wisc.edu/handshake/>)
- Learn how we're transforming career preparation: L&S Career Initiative (<http://ls.wisc.edu/lsci/>)

## PEOPLE

Information about faculty and staff can be found on the department's website (<https://csd.wisc.edu/peopleofCSD.htm>).