

**Office of the President  
California State University, Chico**



**Executive Memorandum 19-030**

**November 13, 2019**

**From:** Gayle E. Hutchinson, President

**Subject:** BA in Communication Sciences and Disorders Degree Designation Change

Upon the recommendation of the Academic Senate, with the concurrence of the Provost, and with the approval of the Chancellor's Office, I approve the degree designation change of Communication Sciences and Disorders from Bachelor of Arts (BA) to Bachelor of Science (BS). The program will continue to use CSU reporting code 12201 with a CIP code of 51.0201. This change will be effective fall 2020.

<b>Policy Title:</b>	EM 19-030 BA in Communication Sciences and Disorders Degree Designation Change
<b>Contact:</b>	Communication Sciences and Disorders Program within the College of Communication and Education
<b>Supersedes:</b>	
<b>Revision:</b>	
<b>Enabling Legislation or Executive Order:</b>	

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October 30, 2019

Dr. Daniel Grassian  
Vice Provost for Academic Programs  
California State University, Chico  
400 West First Street  
Chico, CA 95929

Dear Daniel,

Thank you for the recent designation-change proposal. Based on Chancellor's Office review of the rationale provided, California State University, Chico is authorized to make this change effective fall 2020:

**From:** Bachelor of Arts in Communication Sciences and Disorders  
**To:** Bachelor of Science in Communication Sciences and Disorders

Please continue to use the CSU degree program code 12201 and the related CIP code 51.0201.

The campus is responsible for making this change to the CSU Degrees Database by adding a new entry for the BS in Communication Sciences and Disorders and changing the status of the BA to discontinued. Matriculated students in the BA program shall be given the choice to graduate with that degree or to complete requirements for the BS degree. When all BA students have completed that program, please change it to obsolete status in the Degrees Database.

If you have questions, please contact me at [mlavitt@calstate.edu](mailto:mlavitt@calstate.edu) or at (562) 951-4147.

Sincerely,



Melissa R. Lavitt, Ph.D.  
Interim Assistant Vice Chancellor and  
State University Dean, Academic Programs

MRL/dc

c: Dr. Debra Larson, Provost and Vice President of Academic Affairs

**CSU Campuses**  
Bakersfield  
Channel Islands  
Chico  
Dominguez Hills  
East Bay

Fresno  
Fullerton  
Humboldt  
Long Beach  
Los Angeles  
Maritime Academy

Monterey Bay  
Northridge  
Pomona  
Sacramento  
San Bernardino  
San Diego

San Francisco  
San José  
San Luis Obispo  
San Marcos  
Sonoma  
Stanislaus

# Degree Designation Change

**Current Degree (BA, BS, MA, etc.):** BA Communication Sciences and Disorders


**Propose Degree Change to:** BS Communication Sciences and Disorders

**Rationale for Change (Note: see [Chancellor's Office Requirements](#). If the rationale exceeds this space, attach additional pages):**

Rationale attached

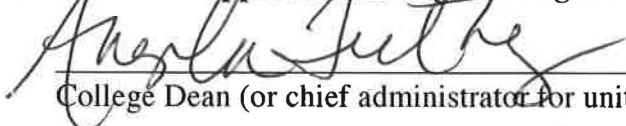
## Signatures Required

The Department of Communication Arts and Sciences  
has reviewed and approved this degree designation change

  
Department Chair (or unit coordinator, director, etc)

2/22/19  
Date

The College of Communication and Education  
has reviewed and approved this degree designation change

  
College Dean (or chief administrator for unit)

3/25/19  
Date

**Send signature page with rationale and catalog copy attached to Curriculum Services, zip 128**

Curriculum Review Completed

3/14/19  
Date

CSU Chico  
Curriculum Services

MAR 26 2019

RECEIVED

Note: The department will be notified of EPPC review date.

## **Rationale for degree designation change to Bachelor of Science**

A primary function of the Bachelor's degree program in Communication Sciences and Disorders (CMSD) at CSU, Chico is to provide pre-professional preparation for graduate education. The master's degree is the minimum required degree for a career in Speech-Language Pathology. The CMSD program is proposing a change from the B.A. to B.S. for the following reasons:

- 1) In January of 2020, the Council on Clinical Certification through the American Speech-Language Hearing Association, our primary accrediting body, will be requiring that students applying for certification following graduation from a master's program must meet the science knowledge standards through particular courses: One human or animal focused biology course and one Chemistry or Physics course. We have recently added the science requirements to the undergraduate major and require from our own students applying to the graduate program that those are to be completed prior to admission. Applicants to the graduate program from outside CSU, Chico will need to complete these requirements during their graduate studies if not completed in their undergraduate degree. These science courses best fit at the undergraduate level for multiple reasons: 1) Graduate programs across the country require completion of those courses in order to be considered for entrance; 2) The courses can count as their GE Life Science and Physical Science requirements, which will allow students to streamline their 4-year degree; 3) It will eliminate "hidden" prerequisites; and 4) The knowledge gained through the courses will provide a stronger foundation for the science-based CMSD courses currently in the undergraduate program curriculum.
- 2) Given the addition of the two sciences courses, and that these will accompany several existing discipline-specific science-based courses (e.g., CMSD 342: Voice and Fluency; CMSD 362: Anatomy & Physiology of the Speech and Hearing Mechanisms; CMSD 363: Acoustic & Psychoacoustics; CMSD 431: Neurogenic Speech-Language Disorders), the program faculty believe that the BS designation best fits the updated curriculum. Our program is called Communication Sciences and Disorders, which already encompasses the science-based work we do.
- 3) Along with the undergraduate degree proposal, we are also proposing a degree designation change for our graduate program, from MA to MS, and believe that the degrees should be consistent given that they are integrally related.

Below is the recently adopted language for Standard IV-A beginning 2020 and the additional Standards that focus on science and research foundations

<https://www.asha.org/certification/2020-slp-certification-standards/>:

### ***Standard IV: Knowledge Outcomes***

#### **Standard IV-A**

**The applicant must have demonstrated knowledge of statistics as well as the biological, physical, and social/behavioral sciences.**

*Implementation: Coursework in statistics as well as in biological, physical, and social/behavioral sciences that is specifically related to communication sciences and disorders (CSD) may not be applied for certification purposes to this category unless the course fulfills a general the university requirement in the statistics, biology, physical science, or chemistry areas.*

*Acceptable courses in biological sciences should emphasize a content area related to human or animal sciences (e.g., biology, human anatomy and physiology, neuroanatomy and neurophysiology, human genetics, veterinary science). For all applicants who apply beginning January 1, 2020, acceptable courses in physical science must include coursework in physics or chemistry. Acceptable courses in social/behavioral sciences should include psychology, sociology, anthropology, or public health. A stand-alone course in statistics is required. Coursework in research methodology in the absence of basic statistics cannot be used to fulfill this requirement.*

#### **Standard IV-B**

**The applicant must have demonstrated knowledge of basic human communication and swallowing processes, including the appropriate biological, neurological, acoustic, psychological, developmental, and linguistic and cultural bases. The applicant must have demonstrated the ability to integrate information pertaining to normal and abnormal human development across the life span.**

#### **Standard IV-C**

**The applicant must have demonstrated knowledge of communication and swallowing disorders and differences, including the appropriate etiologies, characteristics, and anatomical/physiological, acoustic, psychological, developmental, and linguistic and cultural correlates in the following areas:...**

#### **Standard IV-D**

**For each of the areas specified in Standard IV-C, the applicant must have demonstrated current knowledge of the principles and methods of prevention, assessment, and intervention for persons with communication and swallowing disorders, including consideration of anatomical/physiological, psychological, developmental, and linguistic and cultural correlates.**

#### **Standard IV-F**

**The applicant must have demonstrated knowledge of processes used in research and of the integration of research principles into evidence-based clinical practice.**

*Implementation: The applicant must have demonstrated knowledge of the principles of basic and applied research and research design. In addition, the applicant must have*

*demonstrated knowledge of how to access sources of research information and must have demonstrated the ability to relate research to clinical practice.*

## BS Programs at other CSUs

Campus	Degree Type	Campus Title
East Bay	BS	Speech Pathology and Audiology
Sacramento	BS	Communication Sciences and Disorders
San Francisco	BS	Communicative Disorders
San Marcos	BS	Speech Language Pathology

### From [EM 86-001](#):

A major leading to a bachelor of science degree (B.S.) shall include not fewer than 48 nor more than 112 units. No exceptions to the upper limit may be granted. Each major shall include a minimum of ~~12~~ 18 (**revised 2-6-86**) upper-division units.

# The Bachelor of Arts in Communication Sciences and Disorders

## Total Course Requirements for the Bachelor's Degree: 120 units

See [Bachelor's Degree Requirements](#) in the *University Catalog* for complete details on general degree requirements. A minimum of 39 units, including those required for the major, must be upper division.

A suggested Major Academic Plan (MAP) has been prepared to help students meet all graduation requirements within four years. You can view MAPs on the [Degree MAPs](#) page in the *University Catalog* or you can request a plan from your major advisor.

### General Education Pathway Requirements: 48 units

See [General Education](#) in the *University Catalog* and the [Class Schedule](#) for the most current information on General Education Pathway Requirements and course offerings.

### Diversity Course Requirements: 6 units

See [Diversity Requirements](#) in the *University Catalog*. Most courses taken to satisfy these requirements may also apply to [General Education](#).

### Upper-Division Writing Requirement:

Writing Across the Curriculum ([Executive Memorandum 17-009](#)) is a graduation requirement and may be demonstrated through satisfactory completion of four Writing (W) courses, two of which are designated by the major department. See [Mathematics/Quantitative Reasoning and Writing Requirements](#) in the *University Catalog* for more details on the four courses. The first of the major designated Writing (W) courses is listed below.

CMSD 435W Diagnostic Methods in Speech-Language Pathology (W) 3.0 SP W  
Prerequisites: CMSD 431, CMSD 440, CMSD 451, CMSD 488W.  
Corequisite: CMSD 470.

The second major-designated Writing course is the Graduation Writing Assessment Requirement (GW) ([Executive Order 665](#)). Students must earn a C- or higher to receive GW credit. The GE Written Communication (A2) requirement must be completed before a student is permitted to register for a GW course.

### Grading Requirement:



All courses taken to fulfill major course requirements must be taken for a letter grade except those courses specified by the department as Credit/No Credit grading only.

## Course Requirements for the Major: 60-62 units

Completion of the following courses, or their approved transfer equivalents, is required of all candidates for this degree.

See a major advisor for required course sequence.

### 16 courses required:

CMSD 156	Language and Culture of Deaf Americans	3.0	FS	GE
CMSD 220	Introduction to Communication Disorders	3.0	FA	
CMSD 290	Phonetics	3.0	FA	
CMSD 321	Articulation and Phonology Disorders	3.0	SP	
Prerequisite: CMSD 220, CMSD 290, CMSD 362.				
CMSD 341	Voice and Fluency Disorders	3.0	SP	
Prerequisites: CMSD 220, CMSD 290, CMSD 362.				
CMSD 351	Language Development	3.0	SP	
Prerequisites: CMSD 220, CMSD 290, CMSD 362.				
CMSD 362	Anatomy and Physiology of Speech and Hearing Mechanisms	3.0	FA	
CMSD 363	Acoustics and Psychoacoustics of Speech	3.0	SP	
Prerequisites: CMSD 220, CMSD 290, CMSD 362.				
CMSD 431	Organic and Neurogenic Disorders of Communication	3.0	FA	
Prerequisites: CMSD 321, CMSD 341, CMSD 351, CMSD 363.				
CMSD 435W	Diagnostic Methods in Speech-Language Pathology (W)	3.0	SP	W
Prerequisites: CMSD 431, CMSD 440, CMSD 451, CMSD 488W.				
Corequisite: CMSD 470.				
CMSD 440	Audiology	3.0	FA	
Prerequisites: CMSD 321, CMSD 341, CMSD 351, CMSD 363.				
CMSD 441	Aural Rehabilitation	3.0	SP	
Prerequisites: CMSD 431, CMSD 440, CMSD 451, CMSD 488W.				
CMSD 451	Child Language Disorders	3.0	FA	
Prerequisites: CMSD 321, CMSD 341, CMSD 351, CMSD 363.				
CMSD 470	Clinical Methods in Speech-Language Pathology	3.0	SP	
Prerequisites: CMSD 431, CMSD 440, CMSD 451, CMSD 488W.				
Corequisite: CMSD 435W.				
CMSD 488W	Research Methods (W)	3.0	FA	GW W

Prerequisites: Completion of GE Written Communication (A2) requirement; CMSD 321, CMSD 341, CMSD 351, CMSD 363, MATH 105 (or equivalent).

MATH 105 Statistics 3.0 FS GE

Prerequisite: GE Mathematics/Quantitative Reasoning Ready.

**1 course selected from:**

CHLD 252 Child Development 3.0 FS GE USD

PSYC 355 Survey of Child and Adolescent Psychology 3.0 FS

**1 course selected from:**

CMSD 560 Communication and Aging 3.0 SP

PHHA 541 Health in the Later Years 3.0 FA

PHHA 543 Social Gerontology 3.0 SP

PSYC 354 Psychology of Adulthood and Aging 3.0 FA

SWRK 474 Policy and Programs for Older Adults 3.0 SP

**1 course selected from:**

CHEM 100 Chemistry and Current Issues 3.0 FS GE

CHEM 107 General Chemistry for Applied Sciences 4.0 FS GE

Prerequisites: Completion of ELM requirement, Intermediate Algebra.

PHYS 100 Introduction to Astronomy: Survey of the Cosmos 3.0 FS GE

PHYS 307 Physics of Music 3.0 FS GE

Prerequisites: GE Physical Sciences (B1), GE Life Sciences (B2).

**1 course selected from:**

ANTH 111 Survey of Physical Anthropology 3.0 FS GE

BIOL 102 Introduction to Living Systems 3.0 FS GE

This course is also offered as SCED 102 .

BIOL 103 Human Anatomy 4.0 SMF GE

BIOL 104 Human Physiology 4.0 FS GE

Other courses may be substituted upon approval of your advisor.

**Electives Requirement:**

To complete the total units required for the bachelor's degree, select additional elective courses from the total University offerings. You should consult with an advisor regarding the selection of courses which will provide breadth to your University experience and possibly apply to a supportive second major or minor.

### **Advising Requirement:**

Advising is mandatory for all majors in this degree program. Consult your undergraduate advisor for specific information.

### **Honors in the Major:**

Honors in the Major is a program of independent work in your major. It requires 6 units of honors course work completed over two semesters.

The Honors in the Major program allows you to work closely with a faculty mentor in your area of interest on an original performance or research project. This year-long collaboration allows you to work in your field at a professional level and culminates in a public presentation of your work. Students sometimes take their projects beyond the University for submission in professional journals, presentation at conferences, or academic competition. Such experience is valuable for graduate school and professional life. Your honors work will be recognized at your graduation, on your permanent transcripts, and on your diploma. It is often accompanied by letters of commendation from your mentor in the department or the department chair.

Some common features of Honors in the Major program are:

- You must take 6 units of Honors in the Major course work. All 6 units are honors classes (marked by a suffix of H), and at least 3 of these units are independent study (399H, 499H, 599H) as specified by your department. You must complete each class with a minimum grade of B.
- You must have completed 9 units of upper-division course work or 21 overall units in your major before you can be admitted to Honors in the Major. Check the requirements for your major carefully, as there may be specific courses that must be included in these units.
- Your *cumulative* GPA should be at least 3.5 or within the top 5% of majors in your department.
- Your GPA *in your major* should be at least 3.5 or within the top 5% of majors in your department.
- Most students apply for or are invited to participate in Honors in the Major during the second semester of their junior year. Then they complete the 6 units of course work over the two semesters of their senior year.
- Your honors work culminates with a public presentation of your honors project.

While Honors in the Major is part of the Honors Program, each department administers its own program. Please contact your major department or major advisor to apply.