

Date Submitted: 05/01/19 1:59 pm

Viewing: **10KY0354BS : Speech & Hearing Science, BS**

Last approved: 02/06/19 10:23 am

Last edit: 10/31/19 1:29 pm

Changes proposed by: Kathy Martensen

Catalog Pages	Speech & Hearing Science: Audiology, BS
Using this	Speech & Hearing Science: Cultural-Linguistic Diversity, BS
Program	Speech & Hearing Science: Neuroscience of Communication, BS
	Speech & Hearing Science: Speech-Language Pathology, BS

In Workflow

1. **Provost**
2. **1679 Committee Chair**
3. **1679 Head**
4. **KY Committee Chair**
5. **KY Dean**
6. **University Librarian**
7. **Provost**
8. **Provost**
9. **Senate EPC**
10. Senate
11. U Senate Conf
12. Board of Trustees
13. IBHE
14. DMI

Approval Path

1. 05/06/19 10:42 am
Kathy Martensen (kmartens): Approved for Provost
2. 05/06/19 3:37 pm
Pamela Hadley (phadley): Approved for 1679 Committee Chair
3. 05/07/19 11:03 am
Karen Kirk (kikirk): Approved for 1679 Head
4. 08/27/19 1:55 pm
Reggie Alston (alston): Rollback to 1679 Committee Chair

- for KY Committee
Chair
5. 10/03/19 1:29 pm
Pamela Hadley
(phadley):
Approved for 1679
Committee Chair
 6. 10/03/19 2:01 pm
Karen Kirk
(kikirk): Approved
for 1679 Head
 7. 10/03/19 2:26 pm
Reggie Alston
(alston): Approved
for KY Committee
Chair
 8. 10/03/19 2:26 pm
Reggie Alston
(alston): Approved
for KY Dean
 9. 10/03/19 3:01 pm
John Wilkin
(jpwilkin):
Approved for
University
Librarian
 10. 10/03/19 3:11 pm
Kathy Martensen
(kmartens):
Approved for
Provost
 11. 10/08/19 2:07 pm
Kathy Martensen
(kmartens):
Approved for
Provost
 12. 10/22/19 3:54 pm
Barbara Lehman
(bjlehman):
Rollback to 1679
Committee Chair
for Senate EPC
 13. 10/24/19 4:12 pm
Pamela Hadley
(phadley):

- Approved for 1679
Committee Chair
14. 10/24/19 6:59 pm
Karen Kirk
(kikirk): Approved
for 1679 Head
15. 10/27/19 11:44
pm
Reggie Alston
(alston): Approved
for KY Committee
Chair
16. 10/27/19 11:46
pm
Reggie Alston
(alston): Approved
for KY Dean
17. 10/28/19 7:19 am
John Wilkin
(jpwilkin):
Approved for
University
Librarian
18. 10/28/19 9:31 am
Kathy Martensen
(kmartens):
Approved for
Provost
19. 10/28/19 9:38 am
Kathy Martensen
(kmartens):
Approved for
Provost

History

1. Feb 2, 2019 by
Deb Forgacs
(dforgacs)
2. Feb 6, 2019 by
Deb Forgacs
(dforgacs)

Proposal Type

Proposal Type:

Major (ex. Special Education)

This proposal is
for a:

Revision

Proposal Title:

if this proposal is one piece of a multi-element change please include the other impacted programs here. *example: A BS revision with multiple concentration revisions*

Revision of the Speech and Hearing Science (SHS) Undergraduate Major, which includes proposals for Speech & Hearing Science BS (459) and four concentrations in Audiology (567), Cultural-Linguistic Diversity (569), Neuroscience of Communication (568), and Speech-Language Pathology (570) (5 program proposals in total) ~~admin-migration~~—~~correcting-links~~

Is this program available on campus and online? No

Official Program Name Speech & Hearing Science, BS

Banner/Codebook Name

BS:Speech & Hearing Sci -UIUC

Corresponding Degree BS Bachelor of Science

Program Code: 10KY0354BS

Major Code	0354	Minor Code	Conc Code	Degree Code
	BS			

EP Control Number **EP.20.23 - revision1**

Senate Approval Date

Senate Conference Approval Date

BOT Approval Date

IBHE Approval Date

Effective Date:

Effective Catalog Term Spring 2020

Sponsor College Applied Health Sciences

Sponsor Department Speech & Hearing Science

Sponsor Name **Pamela A. Hadley; Justin Aronoff** Sponsor Email
phadley@illinois.edu;
jaronoff@illinois.edu

College Contact **Reginald Alston** College Contact
alston@illinois.edu Email

Is this program interdisciplinary?

No

Academic Level Undergraduate

Will you admit to the concentration directly? **No**

Is a concentration required for graduation? **Yes**

CIP Code 510204 - Audiology/Audiologist and
Speech-Language Pathology/Pathologist.

Program Description and Justification

Justification for proposal change:

This proposal makes changes to general education coursework requirements for the SHS major and its Core Requirements. To earn a BS in Speech and Hearing Science, all undergraduates must complete a set of Core Requirements and one set of concentration requirements. Students must select one concentration from four choices: Audiology, Cultural-Linguistic Diversity, Neuroscience of Communication, and Speech-Language Pathology.

The concentration in Audiology provides explicit background in the theoretical and clinical areas necessary for graduate study. Students will learn foundational knowledge for understanding human speech, language, swallowing, hearing, and balance processes, with a particular eye toward the implications of differences and disruptions in the communication systems associated with disorders. Although students across any of the concentrations

associated with disorders. Although students across any of the concentrations can pursue the graduate study and pre-certification requirements associated with becoming an audiologist or speech-language pathologist, the Audiology concentration is the most directly connected to opportunities for clinical observation in audiology.

The Cultural-Linguistic Diversity concentration is designed to examine ways that individual communication differences, including disorders, interface with sociocultural systems, institutions, and practices. Students will take courses in theory and research methods to explore ways in which sociolinguistic differences shape child development, socialization, and identity. This concentration is intended to help provide students with knowledge related to cultural-linguistic differences (race, ethnicity, socio-economic status, neurodiversity) that is needed to serve an increasingly global society concerned with human rights and responsibilities. Such expertise is expected to enhance multiple career paths in education, law, business, and health-related fields. In addition, undergraduates interested in pursuing careers as an audiologist or speech-language pathologist can combine this concentration with pre-certification requirements.

The Neuroscience of Communication concentration provides and interdisciplinary understanding of the neurological systems that underline human communication. Students will study the biological basis of communication in order to understand brain-behavior correlates of typical and disordered speech, language, and hearing function. In addition, students will benefit from faculty research that utilizes innovative technologies to study the structure and function of the sensory-motor systems that underlie human communication abilities. This concentration is intended to help prepare students for health and science-related careers, including medicine and neuroscience. In addition, undergraduates interested in pursuing careers as an audiologist or speech-language pathologist can combine this concentration with pre-certification requirements.

The concentration in Speech-Language Pathology provides explicit background in the theoretical and clinical areas necessary for graduate study. Students will learn foundational knowledge for understanding human speech, language, swallowing, hearing, and balance processes, with a particular eye toward the implications of differences and disruptions in the communication systems associated with disorders. Although students across any of the concentrations can pursue the graduate study and pre-certification requirements associated with becoming an audiologist or speech-language pathologist, the Speech-Language Pathology concentration is the most directly connected to opportunities for clinical observation in speech-language pathology.

This proposal focuses on revisions to Core Requirements that are shared by all four concentrations. For proposed revisions to the four concentrations, see

proposals for Audiology (567), Cultural-Linguistic Diversity (569), Neuroscience of Communication (568), and Speech-Language Pathology (570).

- 1. Add a requirement for all SHS majors to take a course in Statistics (STAT rubric or any courses cross-listed with STAT courses) from the approved Quantitative Reasoning-1 or -2 general education categories; this course can also be used to satisfy the general education requirements in these categories.**
- 2. Add a requirement for all SHS majors to take a Physics or Chemistry course from the University approved Natural Sciences and Technology general education category; this course can also be used to satisfy the general education requirements in this category.**
- 3. Add SHS 385 Evidence-Based Practice in Communication Sciences and Disorders as a Core Requirement for all SHS majors, increasing the Core Requirement credit hours from 25 to 28. The number of credit hours related to general education, core, and concentration requirements have also been made clearer in the program of study table.**

Justification:

(#1-2) The new requirements to take a Statistics course and a Physics or Chemistry course positions all undergraduate majors with the basic scientific coursework necessary for professional study in speech-language pathology and audiology. This basic science coursework is also required under the new 2020 standards for professional certification in speech-language pathology by the American Speech-Language-Hearing Association (Standard IV-A, <https://www.asha.org/Certification/2020-SLP-Certification-Standards/#4>).

The requirement to complete coursework in statistics and physical sciences also replaces the need for SHS 285 Quantitative Bases in SHS, a discipline-specific course, that has been required in the Audiology and Neuroscience of Communication concentrations (see proposals 567 and 568, respectively) and as a specified elective in the Cultural-Linguistic Diversity and Speech-Language Pathology concentrations (see proposals 569 and 570, respectively). Furthermore, due to changes in departmental faculty and resources, there are no plans to develop or offer SHS 285 in the future.

(#3) SHS 385 has been added as a core requirement for all four concentrations. This course is now proposed as a Core Requirement because it provides the foundation for understanding the scientific basis of assessment and intervention practices in the field and in other areas of health care and education; thus it is necessary for all students in the undergraduate major. This course was previously a concentration requirement for the Audiology and Speech-Language Pathology concentrations and it is now proposed as a Core Requirement for these concentrations. This course is a new requirement for the Cultural-Linguistic Diversity and Neuroscience of Communication concentrations. For associated reduction in credit hours from 22-23 to 19 for

the four concentrations, see curriculum revision proposals for Audiology (567), Cultural-Linguistic Diversity (569), Neuroscience of Communication (568), and Speech-Language Pathology (570). The credit hours coming from the core and concentration requirements were also made clearer in the program of study list. ~~admin-migration~~

Is This a Teacher Certification Program?

No

Will specialized accreditation be sought for this program?

No

Admission Requirements

Desired

Admissions Term

Provide a brief narrative description of the admission requirements for this program. Where relevant, include information about licensure requirements, student background checks, GRE and TOEFL scores, and admission requirements for transfer students.

Describe how critical academic functions such as admissions and student advising are managed.

Enrollment

Describe how this revision will impact enrollment and degrees awarded.

No changes in enrollment are foreseen. ~~admin-migration~~

Estimated Annual Number of Degrees Awarded

Year One Estimate

5th Year Estimate (or when fully implemented)

What is the matriculation term for this program?

Fall

Delivery Method

This program is available:

Face-to-Face

Budget

Are there budgetary implications for this revision? No

Will the program or revision require staffing (faculty, advisors, etc.) beyond what is currently available?

No

Additional Budget Information

Attach File(s)

Resource Implications

Facilities

Will the program require new or additional facilities or significant improvements to already existing facilities? No

Technology

Will the program need additional technology beyond what is currently available for the unit? No

Non-Technical Resources

Will the program require additional supplies, services or equipment (non-technical)? No

Resources

Faculty Resources

Please address the impact on faculty resources including any changes in numbers of faculty, class size, teaching loads, student-faculty ratios, etc. Describe how the unit will support student advising, including job placement and/or admission to advanced studies.

Given that this curriculum revision will formalize our existing advising practices and the need for course substitutions for SHS 285 (the course we are eliminating), we do not anticipate impact on faculty numbers, class size, teaching loads, or student-faculty ratios as a result of the added requirements for statistics and physical science coursework.

As for SHS 385, we have sufficient faculty and graduate student expertise to increase enrollment and allocate TA support to this course, as needed to accommodate the increasing class size.

Finally, we do not anticipate that the revisions to the Core Requirements will alter the number of students entering into any of the four concentrations. Therefore, we do not anticipate this revision will require additional resources in the future. ~~admin migration~~

Library Resources

Describe your proposal's impact on the University Library's resources, collections, and services. If necessary please consult with the appropriate disciplinary specialist within the University Library.

The revised undergraduate curriculum does not create any new courses. As such, there are no changes in library utilization or resource utilization related to this revision. ~~admin migration~~

Instructional Resources

Will there be any reduction in other course offerings, programs or concentrations by your department as a result of this new program/proposed change?

No

Does this new program/proposed change result in the replacement of another program?

No

Does the program include other courses/subjects impacted by the creation/revision of this program?

Yes ~~No~~

Required courses

STAT 100 - Statistics

STAT 107 - Data Science Discovery

STAT 200 - Statistical Analysis

STAT 212 - Biostatistics

CHEM 101 - Introductory Chemistry

CHEM 102 - General Chemistry I

CHEM 103 - General Chemistry Lab I
CHEM 104 - General Chemistry II
CHEM 105 - General Chemistry Lab II
CHEM 108 - Chemistry, Everyday Phenomena
CHEM 202 - Accelerated Chemistry I
CHEM 203 - Accelerated Chemistry Lab I
CHEM 204 - Accelerated Chemistry II
CHEM 205 - Accelerated Chemistry Lab II
PHYS 101 - College Physics: Mech & Heat
PHYS 102 - College Physics: E&M & Modern
PHYS 123 - Physics Made Easy
PHYS 140 - How Things Work
PHYS 150 - Physics of Societal Issues
PHYS 211 - University Physics: Mechanics
PHYS 212 - University Physics: Elec & Mag
PHYS 213 - Univ Physics: Thermal Physics
PHYS 214 - Univ Physics: Quantum Physics

Explain how the inclusion or removal of the courses/subjects listed above impacts the offering departments.

The new requirements to take a 100- or 200- level Statistics course (so no one specific course is required) and a Physics or Chemistry course that is an approved gen. ed. (again, no one specific course from either of these departments is required) positions all undergraduate majors with the basic scientific coursework necessary for professional study in speech-language pathology and audiology. This basic science coursework is also required under the new 2020 standards for professional certification in speech-language pathology by the American Speech-Language-Hearing Association (Standard IV-A, <https://www.asha.org/Certification/2020-SLP-Certification-Standards/#4>).

Attach letters of support from other departments.

[Chemistry, Letter of Support.pdf](#)
[Physics, Letter of Support, Speech-and-Hearing-Science Curriculum Revision.pdf](#)
[Letter of Support, Department of Statistics](#)
[SHS_stat_req.pdf](#)

Financial Resources

How does the unit intend to financially support this proposal?

No additional financial support is required. Currently, students are advised to take a Statistics course and a Physics or Chemistry course from a list of general education courses frequently offered on campus to meet professional certification standards and as approved substitutions for SHS 285. This proposal formalizes our advising practices by identifying these courses as required for the major.

The addition of SHS 385 as a Core Requirement to all four concentrations will not have a financial impact on the unit. The vast majority of majors are already taking the course and we have the capacity and faculty expertise to meet increasing enrollment in this course for students in our department.

Will the unit need to seek campus or other external resources?

No

Attach letters of support

Will an existing tuition rate be used or continue to be used for this program?

Yes

Program Regulation

Describe how the program is aligned with or meets licensure, certification, and/or entitlement requirements, if applicable.

Briefly describe the plan to assess and improve student learning, including the program's learning objectives; when, how, and where these learning objectives will be assessed; what metrics will be used to signify student's achievement of the stated learning objectives; and the process to ensure assessment results are used to improve student learning.

Is the career/profession for graduates of this program regulated by the State of Illinois?

No

Program of Study

"Baccalaureate degree requires at least 120 semester credit hours or 180 quarter credit hours and at least 40 semester credit hours (60 quarter credit hours) in upper division courses" (source: <https://www.ibhe.org/assets/files/PrivateAdminRules2017.pdf>). For proposals for new bachelor's degrees, if this minimum is not explicitly met by specifically-required 300- and/or 400-level courses, please provide information on how the upper-division hours requirement will be satisfied.

All proposals must attach the new or revised version of the Academic Catalog program of study entry. Contact your college office if you have questions.

Revised programs [**570, SLP Oct2019.docx**](#)
[**569, Cultural Linguistic diversity Oct2019.docx**](#)
[**568, Neuroscience Oct2019.docx**](#)
[**567, Audiology Oct2019.docx**](#)
[**459, Major Core Comparison REVISION Oct2019 w Credit Hours.docx**](#)

Attach a side-by-side comparison with the existing program AND, if the revision references or adds "chose-from" lists of courses students can select from to fulfill requirements, a listing of these courses, including the course rubric, number, title, and number of credit hours.

Catalog Page Text

Catalog Page Text: Description of program for the catalog page. This is not official content, it is used to help build the catalog pages for the program. Can be edited in the catalog by the college or department.

Speech and Hearing Science, B.S.

General Education

Students are advised to select their General Education course requirements from the University's approved list of courses (www.courses.illinois.edu/cis/) and to work in close consultation with their academic advisor to ensure graduation requirements are addressed.

Speech and Hearing Science Professional Core Requirements

All students must complete a series of SHS core classes regardless of their area of concentration. Students are advised to work with the undergraduate academic advisor to ensure courses are taken in proper sequential order. One area of concentration (Speech-Language Pathology, Audiology, Neuroscience of Communication, or Cultural-Linguistic Diversity) must be declared prior to the senior year.

Electives

All students are encouraged to take electives in and outside the department that will count towards the 128 required hours for graduation (the total number of electives students may take may vary with each individual). Students are encouraged to select electives that will complement their areas of interest and future goals. Areas listed below are only a sampling of possibilities; they are not to be considered as requirements and students are not limited to these choices. All students are responsible for addressing course pre-requisites and course availability may vary.

Anthropology (ANTH), Communications (CMN), Kinesiology and Community Health (KIN, CHLH), Educational Organization and Leadership (EOL), Curriculum & Instruction (CI), Educational Policy Studies (EPS), Educational Psychology (EPSY), English (ENGL), English as a Second Language (ESL), Gender and Women's Studies (GWS), Human Development and Family Studies (HDFS), Library and Information Science (LIS), Linguistics (LING), Psychology (PSYC), Recreation, Sport, & Tourism (RST), Rehabilitation Counseling (REHB), Special Education (SPED), Sociology (SOC), Social Work (SOCW). Additional areas to explore may include: courses in a foreign language beyond the completion of the University's requirement, as well as additional courses in science, such as Biology (IB, MCB), Physics (PHYS), microcomputer applications (e.g. ACE), and courses in cultural studies.

Areas of Concentration (19 Hours)

- **Audiology**
- **Cultural-Linguistic Diversity**
- **Neuroscience of Communication**
- **Speech-Language Pathology**

Statement for Programs of Study Catalog

General Education: Students are advised to select their General Education course requirements from the [University's approved list of courses](#) and to work in close consultation with their academic advisor to ensure graduation requirements are addressed.

~~1 must be taken at U of I~~

~~2 A course in general statistics will address the BS degree requirement; however, those planning to pursue a graduate degree in communication science and disorders are advised to consider taking additional math (calculus may be required by some programs):~~

~~3 While not specifically required for the BS degree, students planning to pursue the Speech Language Pathology or Audiology concentrations and eventual graduate studies in these areas, are advised to take one course in Life Science (a biological science is suggested) and one course in Physical Science (a course in Physics or Chemistry is recommended) to satisfy eventual ASHA certification requirements:~~

Course List

Code	Title	Hours
Communication Skills		
Composition I		
<u>RHET 105</u>	Writing and Research	4-6
or <u>CMN 111</u>	Oral & Written Comm I	
& <u>CMN 112</u>	and Oral & Written Comm II	
Advanced Composition		3
One course in Advanced Writing/Composition II from approved list 1		
One course in Advanced Writing/Composition II from university approved Gen Ed list.		
Quantitative Reasoning I		3
One course from the approved Gen. Ed. list 2		
Choose one of the following:		
<u>STAT 100</u>	Statistics	
<u>STAT 107</u>	Data Science Discovery	
<u>STAT 200</u>	Statistical Analysis	
<u>STAT 212</u>	Biostatistics	
Quantitative Reasoning II		3
One course from the university approved Gen Ed list.		
Humanities and the Arts		6
Minimum of two courses from university approved Gen Ed list.		
Social and Behavioral Sciences		6
Minimum of two courses from university approved Gen Ed list.		
Natural Sciences and Technology		6
Two classes or six hours from the university approved Gen. Ed. list required. 3		
Choose one from the following and one from the university approved Gen Ed list.		
<u>CHEM 101</u>	Introductory Chemistry	
<u>CHEM 102</u>	General Chemistry I	
& <u>CHEM 103</u>	and General Chemistry Lab I	
<u>CHEM 104</u>	General Chemistry II	
& <u>CHEM 105</u>	and General Chemistry Lab II	
<u>CHEM 108</u>	Chemistry, Everyday Phenomena	

Code	Title	Hours
<u>CHEM 202</u> <u>& CHEM 203</u> <u>CHEM 204</u> <u>& CHEM 205</u>	Accelerated Chemistry I and Accelerated Chemistry Lab I Accelerated Chemistry II and Accelerated Chemistry Lab II	
<u>PHYS 101</u>	College Physics: Mech & Heat	
<u>PHYS 102</u>	College Physics: E&M & Modern	
<u>PHYS 123</u>	Physics Made Easy	
<u>PHYS 140</u>	How Things Work	
<u>PHYS 150</u>	Physics of Societal Issues	
<u>PHYS 211</u>	University Physics: Mechanics	
<u>PHYS 212</u>	University Physics: Elec & Mag	
<u>PHYS 213</u>	Univ Physics: Thermal Physics	
<u>PHYS 214</u>	Univ Physics: Quantum Physics	

Cultural Studies 9

One course from Western Cultures university approved Gen Ed list.
One course from Non-Western Cultures university approved Gen Ed list.
One course from U.S. Minority Cultures university approved Gen Ed list.

Foreign Language 0-12

May be satisfied if had three years of one non-English language in high school or completed the equivalent of three semesters of college level foreign language (through the intermediate level).

Total Hours 40-54

Speech and Hearing Science Professional Core Requirements

All students must complete a series of SHS core classes regardless of their area of concentration. Students are advised to work with the undergraduate academic advisor to ensure courses are taken in proper sequential order. One area of concentration (Speech-Language Pathology, Audiology, Neuroscience of Communication, or Cultural-Linguistic Diversity) must be declared prior to the senior year.

Course List

Code	Title	Hours
<u>SHS 170</u>	Intro Hum Comm Sys & Disorders	3
<u>SHS 191</u>	Freshmen Seminar	1
<u>SHS 200</u>	General Phonetics	3
<u>SHS 240</u>	Intro Sound & Hearing Science	3
<u>SHS 300</u>	Anat & Physiol Spch Mechanism	4
or <u>LING 300</u>	Anat & Physiol Spch Mechanism	
<u>SHS 301</u>	General Speech Science	4
or <u>LING 303</u>	General Speech Science	
<u>SHS 320</u>	Development of Spoken Language	3
<u>SHS 385</u>	Evidence-Based Practice in Communication Sciences and Disorders	3
<u>SHS 450</u>	Intro Audiol & Hear Disorders	4
General Education Hours		40-54
Professional Core Hours		28
Concentration Hours		19
Electives		27-41

Code	Title	Hours
Total Hours		128
<p>Electives All students are encouraged to take electives in and outside the department that will count towards the 128 required hours for graduation (the total number of electives students may take may vary with each individual). Students are encouraged to select electives that will complement their areas of interest and future goals. Areas listed below are only a sampling of possibilities; they are not to be considered as requirements and students are not limited to these choices. All students are responsible for addressing course pre-requisites and course availability may vary. Anthropology (ANTH), Communications (CMN), Kinesiology and Community Health (KIN, CHLH), Educational Organization and Leadership (EOL), Curriculum & Instruction (CI), Educational Policy Studies (EPS), Educational Psychology (EPSY), English (ENGL), English as a Second Language (ESL), Gender and Women's Studies (GWS), Human Development and Family Studies (HDFS), Library and Information Science (LIS), Linguistics (LING), Psychology (PSYC), Recreation, Sport, & Tourism (RST), Rehabilitation Counseling (REHB), Special Education (SPED), Sociology (SOC), Social Work (SOCW). Additional areas to explore may include: courses in a foreign language beyond the completion of the University's requirement, as well as additional courses in science, such as Biology (IB, MCB), Physics (PHYS), microcomputer applications (e.g. ACE), and courses in cultural studies.</p> <p>1 Same as LING 300%7C.</p> <p>3 Same as LING 303%7C. Should be taken after SHS 300%7C.</p>		

EP Documentation

Attach [ep2023_email_to_sponsor_20191022.pdf](#)
 Rollback/Approval
 Notices

DMI Documentation

Attach Final
 Approval Notices
 Attached
 Document

Justification for
 this request

Program Reviewer
 Comments

Laura J. Hahn (ljhahn) (08/21/19 10:35 am): The proposed revisions are justified and will be beneficial to the students. No additional resources are needed from the department.

Laura Payne (lpayne) (08/23/19 8:48 am): This looks thorough and well conceived (and supported). My only question is it may be a challenge for students to fulfill 19 credits of electives, since most courses are either 3 or (in the case of 8-week courses) 2 credits. The 1-credit courses are often activity courses. Just a thought.

Laura Payne (lpayne) (08/23/19 9:32 am): Re: 19 hours. I now see they can take

a credit of research or independent study. I take back what I said above!

Reggie Alston (alston) (08/27/19 1:51 pm): Hi Pasquale, I am rolling back the five proposals from SHS. Please see the comments from reviewers. Most importantly, consult with Laura Hahn and Justin Aronoff about specifics edits that need to be made. Of course, I'm available for consultation if necessary.

Reggie Alston (alston) (08/27/19 1:55 pm): Rollback: See the comments from the reviewers. Please speak with Laura Hahn or Justin Aronoff about specific edits suggested by the Ed. Pol. Cmte. Feel free to contact me (Reggie) with questions.

Barbara Lehman (bjlehman) (10/22/19 3:54 pm): Rollback: Please see attached email - ep2023 email to sponsor 20191022. Thank you



Department of Statistics

Illini Hall, Room 101
725 South Wright Street
Champaign, IL 61820 USA

April 29, 2019

Dr. Pamela Hadley
Speech and Hearing Science

Dear Pamela:

The Statistics Department supports your statistics requirement for Speech and Hearing Science majors, and we would be glad to have them in appropriate 100-level and 200-level courses. In particular, we are quite excited about a new data science course that will begin in fall 2019. This course, STAT 107, will be open to all majors and will have no prerequisites. It combines basic introductory statistics with an introduction to coding in python and provides students with an abundance of experience working with data. Please let me know if you ever have questions about this course or any of our other 100-level and 200-level courses.

Sincerely,

A handwritten signature in black ink that reads 'Jeff Douglas' in a cursive script.

Jeffrey A Douglas
Professor and Acting Chair
Department of Statistics
University of Illinois at Urbana-Champaign
(217)244-7302

UNIVERSITY OF ILLINOIS
AT URBANA-CHAMPAIGN

Department of Physics
1110 West Green Street
Urbana, IL 61801-3080



Dr. M. Grosse Perdekamp
Professor of Physics

Urbana, February 21st, 2019

Dr. Pamela Hadley
Chair, SHS Educational Policy Committee

Re: Proposed Change to Undergraduate Curriculum in Speech and Hearing Science

Dear Dr. Hadley,

The Department of Physics supports the proposed change to the undergraduate requirements for a major in Speech and Hearing Science. The new requirement for all majors to take a course in Physics (or Chemistry) from the University approved Natural Sciences and Technology general education category is not expected to change the enrollment numbers significantly and can be served using the existing general education courses in Physics.

Sincerely,

A handwritten signature in blue ink, appearing to read 'M. Grosse Perdekamp'.

Matthias Grosse Perdekamp
Head and Professor

Hadley, Pamela Ann

From: Gruebele, Martin H W
Sent: Monday, February 11, 2019 9:36 PM
To: Hadley, Pamela Ann; Kirk, Karen
Cc: Ray, Christian R
Subject: Re: Proposed Change to Undergraduate Curriculum in Speech and Hearing Science

Pamela,

I consulted with Dr. Christian Ray, and we would be happy to approve this.

A question we have: we are thinking of constructing a **new 1-semester survey course** that covers all of chemistry for freshman students. (As opposed to our current 2-semester sequence 102/202.) The problem with the 2-semester sequence is that students taking only 1 semester miss out on organic chemistry, polymers, biochemistry, etc. which are covered in the second semester. The one semester survey would give a briefer but more complete picture.

Let me know if SHS is interested!

Cheers,
Martin

Martin Gruebele
Head, Department of Chemistry
Professor, Center for Advanced Study
James R. Eiszner Chair in Chemistry, and
Professor of Physics, Biophysics and Quantitative Biology

On Feb 8, 2019, at 16:52, Hadley, Pamela Ann <phadley@illinois.edu> wrote:

To: Martin Gruebele, PhD, Head, Department of Chemistry
From: Pamela Hadley, Chair, SHS Educational Policy Committee
Date: February 8, 2019
Re: Proposed Change to Undergraduate Curriculum in Speech and Hearing Science

I am contacting you about a proposed change to the undergraduate requirements for a major in Speech and Hearing Science. We would like to add a requirement for all majors to take a course in Physics or Chemistry from the University approved Natural Sciences and Technology general education category.

We do not anticipate a major impact on the course enrollment in your unit as a result of this new requirement for several reasons: (a) there are several course options available for satisfying this requirement, distributed across multiple departments; (b) the courses are drawn from general education requirements already open to all students on campus; (c) currently, SHS majors are strongly advised to take one of these courses in preparation for graduate study and to meet professional certification requirements, and (d) our major is relatively small, currently with 239 majors in total (freshman-senior).

As part of the curriculum revision process, a letter of acknowledgement from your unit is required. Please let us know if you have any questions or concerns about this proposed change to our undergraduate major requirements.

Thank you in advance for your consideration.
Pamela Hadley

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From: [Moorhouse, Linda](#)
To: [Lehman, Barbara J](#)
Cc: [Martensen, Kathy](#); [Meyer, Eric K](#)
Subject: EP.20.23 Proposal rollback
Date: Tuesday, October 22, 2019 1:24:23 PM
Attachments: [image001.png](#)

Hi Barb:

Would you rollback EP.20.23 to the initial sponsors? I have communicated with Pamela Hadley already on the below and she is expecting the rollback this week. There are a few minor adjustments to be made to help make the proposal stronger and more clear. Also, there are four concentrations in four separate proposals that will need to be put into the same folder as this proposal so we can look at everything together. This will make a total of five proposals for this one Speech and Hearing undergraduate degree revision. Kathy is also keeping watch on this as well.

For EP.20.23, here are the items I have spoken to Pamela about:

1. Please add SHS 385 into the CIM-Program "Professional Core Requirements" table of courses. And when added, be sure the hours reflect correctly what you want (Elective and Total).
2. There is a statement which appears twice in the initial concentration descriptions of the proposal (pages 4 and 5): "Although students across any of the concentrations can pursue the graduate study and pre-certification requirements associated with becoming an audiologist or speech-language pathologist, **these two concentrations** are the most closely connected to practical application with opportunities for clinical observation and community engagement." This sentence appears in the first Audiology and fourth Speech-Language Pathology concentration paragraphs, but the paragraphs are not linked. It's confusing as to what you are trying to say with "these two concentrations." If you could update this, that would help us understand better.

Pamela...your suggestions really help, thank you...these will work: **Although students across any of the concentrations can pursue the graduate study and pre-certification requirements associated with becoming an audiologist or speech-language pathologist, the Audiology concentration is the most directly connected to opportunities for clinical observation in audiology.**

Although students across any of the concentrations can pursue the graduate study and pre-certification requirements associated with becoming an audiologist or speech-language pathologist, the Speech-Language Pathology concentration is directly connected to opportunities for clinical observation in speech-language pathology.

3. Could you include at least a summary of what you are changing in your four concentrations? Perhaps the side-by-side comparison page(s) that you already made for your concentration proposals? Can you attach these pages as attachments or appendices? This would give us something to refer to when you describe the changes in your concentrations.

Thanks, Barb.

Linda

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General Education: Students are advised to select their General Education course requirements from the University's approved list of courses and to work in close consultation with their academic advisor to ensure graduation requirements are addressed.

Current Requirements:	Current Hours	Revised Requirements:	Revised Hours
Communication Skills Composition I RHET 105 Writing and Research Or CMN 111 Oral & Written Comm I CMN 112 Oral & Written Comm II	4-6	Communication Skills Composition I RHET 105 Writing and Research Or CMN 111 Oral & Written Comm I CMN 112 Oral & Written Comm II	4-6
Advanced Composition	3	Advanced Composition	3
One course in Advanced Writing/Composition II from approved list ¹		One course in Advanced Writing/Composition II from the university approved Gen Ed list	
Quantitative Reasoning I	3	Quantitative Reasoning I	3
One course from the approved Gen. Ed. list ²		Choose one of the following: STAT 100, STAT 107, STAT 200, STAT 212	
Quantitative Reasoning II	3	Quantitative Reasoning II	3
One course from the approved list required.		One course from the university approved Gen Ed list.	
Humanities and the Arts	6	Humanities and the Arts	6
Minimum of two courses from approved list required		Minimum of two courses from university approved Gen Ed list	
Social and Behavioral Sciences	6	Social and Behavioral Sciences	6
Minimum of two courses from approved list required		Minimum of two courses from university approved Gen Ed list	
Natural Sciences and Technology	6	Natural Sciences and Technology	6
Two classes or six hours from the university approved Gen. Ed. list required. ³		Choose one from the following and one from the university approved Gen Ed list: CHEM 101, CHEM 102 & CHEM 103, CHEM 104 & CHEM 105, CHEM 108, CHEM 202 & CHEM 203, CHEM 204 & CHEM 205, PHYS 101, PHYS 102, PHYS 123, PHYS 140, PHYS 150, PHYS 211, PHYS 212, PHYS 213, PHYS 214	
Cultural Studies	9	Cultural Studies	9
One course from Western Cultures approved campus list		One course from Western Cultures university approved Gen Ed list.	
One course from Non-Western Cultures approved campus list		One course from Non-Western Cultures university approved Gen Ed list.	
One course from U.S. Minority Cultures approved campus list		One course from U.S. Minority Cultures university approved Gen Ed list.	
Foreign Language	0-12	Foreign Language	0-12

May be satisfied if had three years of one non-English language in high school or completed the equivalent of three semesters of college level foreign language (through the intermediate level).		May be satisfied if had three years of one non-English language in high school or completed the equivalent of three semesters of college level foreign language (through the intermediate level).	
Total Hours	40-54	Total Hours	40-54

¹ must be taken at U of I

² A course in general statistics (STAT rubric or any courses cross-listed with STAT courses) is required to address the BS degree requirement). Those planning to pursue a doctoral degree are strongly advised to take additional math courses (calculus may be required by some doctoral programs).

³ To establish the basic science foundation for graduate study and professional certification in audiology and speech-language pathology, one course in Life Science (a biological science in a content area related to human or animal sciences) is strongly recommended and one course in Physical Science (a course in Physics or Chemistry) is required.

Speech and Hearing Science Professional Core Requirements

All students must complete a series of SHS core classes regardless of their area of Concentration. Students are advised to work with the undergraduate academic advisor to ensure courses are taken in proper sequential order. One area of concentration (Speech-Language Pathology, Audiology, Neuroscience of Communication, or Cultural-Linguistic Diversity) must be declared prior to the senior year.

Current Requirements:		Current	Revised Requirements:		Revised
Code	Title	Hours:	Code	Title	Hours:
SHS 170	Intro Hum Comm Sys & Disorders	3	SHS 170	Intro Hum Comm Sys & Disorders	3
SHS 191	Freshmen Seminar	1	SHS 191	Freshmen Seminar	1
SHS 200	General Phonetics	3	SHS 200	General Phonetics	3
SHS 240	Intro Sound & Hearing Science	3	SHS 240	Intro Sound & Hearing Science	3
SHS 300	Anat & Physiol Spch Mechanism ¹	4	SHS 300 or LING 300	Anat & Physiol Spch Mechanism	4
SHS 301	General Speech Science ²	4	SHS 301 Or LING 303	General Speech Science	4
SHS 320	Development of Spoken Language	3	SHS 320	Development of Spoken Language	3
SHS 450	Intro Audiol & Hear Disorders	4	SHS 385	Evidence-Based Practice in Communication Sciences and Disorders	3
			SHS 450	Intro Audiol & Hear Disorders	4
Total Hours		25		General Education Hours	40-54
				Professional Core Hours	28
				Concentration Hours	28
				Electives	27-41
				Total Hours	128

¹ Same as [LING 300](#).

² Same as [LING 303](#). Should be taken after [SHS 300](#).

The **concentration in Audiology** provides explicit background in the theoretical and clinical areas necessary for graduate study. Students will learn foundational knowledge for understanding human speech, language, swallowing, hearing, and balance processes, with a particular eye toward the implications of differences and disruptions in the communication systems associated with disorders. Although students across any of the concentrations can pursue the graduate study and pre-certification requirements associated with becoming an audiologist or speech-language pathologist, the audiology concentration is the most directly connected to clinical observation in audiology.

More information about the fields of audiology and speech-language pathology may be found on the American Speech-Language Hearing Association’s web site: <http://www.asha.org>.

Current Requirements:		Current	Revised Requirements:		Revised
Code	Title	Hours:	Code	Title	Hours:
SHS 280	Communication Neuroscience	3	SHS 280	Communication Neuroscience	3
SHS 285	Quantitative bases in SHS ¹	3	SHS 271	Communication and Aging	3
SHS 352	Hearing Health and Society	3	SHS 352	Hearing Health and Society	3
SHS 385	Evidence-Based Practice in Communication Sciences and Disorders	3			
SHS 451	Aural Rehab Children to Adults (requires senior standing and completion of core classes)	3	SHS 451	Aural Rehab Children to Adults (requires senior standing and completion of core classes)	3
SHS 475	Prepracticum in SHS (requires senior standing and completion of core classes)	1 to 2	SHS 475	Prepracticum in SHS (requires senior standing and completion of core classes)	1
Students must also take 6 hours from the following specified electives:		6	Students must also take 6 hours from the following specified electives:		6
Any Chemistry or Physics 100-level class ²					
SHS 222	Language & Culture of Deaf Communities		SHS 222	Language & Culture of Deaf Communities	
SHS 270	Comm Disability in the Media		SHS 270	Comm Disability in the Media	
SHS 291	Research Lab Experience in SHS (Approved for S/U grading only. Must be arranged with individual faculty member.)		SHS 291	Research Lab Experience in SHS (Approved for S/U grading only. Must be arranged with individual faculty member.)	
SHS 271	Communication and Aging		SHS 333	Children with Neurodevelopmental Disorders Across Communication Contexts	
SHS 375	Comm Partners & Health		SHS 375	Comm Partners & Health	
			SHS 390 ¹	Individual Study	
			SHS 395 ¹	Honors Individual Study	
SHS 473	Augmentative & Alt Comm (Requires senior standing and completion of core classes)		SHS 473	Augmentative & Alt Comm (Requires senior standing and completion of core classes)	
Total Hours		22-23	Total Hours		19
Footnotes			Footnotes		
¹ Approved substitutions include: CHEM 101, CHEM 102 & 103, CHEM 108, PHYS 101, PHYS 140, PHYS 150, or PHYS 193 provided this is not being used to satisfy a university General Education requirement.			¹ No more than 3 credits from SHS 291, SHS 390 and SHS 395 may be counted toward the 7 credits of specified electives.		

Neuroscience of Communication Concentration

The **Neuroscience of Communication** concentration provides an interdisciplinary understanding of the neurological systems that underline human communication. Students will study the biological basis of communication in order to understand brain-behavior correlates of typical and disordered speech, language, and hearing function. In addition, students will benefit from faculty research that utilizes innovative technologies to study the structure and function of the sensory-motor systems that underlie human communication abilities. This concentration is intended to help prepare students for health and science-related careers, including medicine and neuroscience. In addition, undergraduates interested in pursuing careers as an audiologist or speech-language pathologist can combine this concentration with pre-certification requirements.

Current Requirements:		Current	Revised Requirements:		Revised
Code	Title	Hours:	Code	Title	Hours:
SHS 280	Communication Neuroscience	3	SHS 280	Communication Neuroscience	3
SHS 285	Quantitative bases in SHS ¹	3			
SHS 389	Neuroplasticity and Communication	3	SHS 389	Neuroplasticity and Communication	3
SHS 427	Language and the Brain	3 or 4	SHS 427	Language and the Brain	3
SHS 470	Neural Bases Spch Lang	3	SHS 470	Neural Bases Spch Lang	3
Students must also take 6 hours from the following specified electives:		6	Students must also take 7 hours from the following specified electives:		7
Any Chemistry or Physics 100-level class ²					
IB 100	Biology in Today's World ²		IB 100	Biology in Today's World	
PSYC 204	Intro to Brain and Cognition		PSYC 204	Intro to Brain and Cognition	
PSYC 216 or EPSY 236	Child Psych Child Dev in Education		PSYC 216 or EPSY 236	Child Psych Child Dev in Education	
PSYC 230	Perception & Sensory Processes		PSYC 230	Perception & Sensory Processes	
PSYC 224	Cognitive Psych		PSYC 224	Cognitive Psych	
PSYC 248	Learning and Memory		PSYC 248	Learning and Memory	
SHS 291	Research Lab Experience in SHS ³		SHS 291	Research Lab Experience in SHS ¹	
			SHS 333	Children with Neurodevelopmental Disorders Across Communication Contexts	
SHS 375	Comm Partners & Health		SHS 375	Comm Partners & Health	
			SHS 390	Individual Study ¹	
			SHS 395	Honors Individual Study ¹	
SHS 473	Augmentative & Alt Comm ⁴		SHS 473	Augmentative & Alt Comm	
SHS 475	Prepracticum in SHS (requires senior standing and completion of core classes)		SHS 475	Prepracticum in SHS (requires senior standing and completion of core classes)	
Total Hours		22-23	Total Hours		19
Footnotes			Footnotes		
1 Approved substitutions include: CHEM 101, CHEM 102 & 103, CHEM 108, PHYS 101, PHYS 140, PHYS 150, or PHYS 193 provided this is not being used to satisfy a university General Education requirement.			1No more than 3 credits from SHS 291, SHS 390 and SHS 395 may be counted toward the 7 credits of specified electives.		

<p>2 Provided courses are not used to satisfy a university General Education requirement</p> <p>3 Approved for S/U grading only. Must be arranged with individual faculty member.</p> <p>4 Prerequisite: Senior level in the SHS program or consent of instructor.</p>	
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The **Cultural-Linguistic Diversity** concentration is designed to examine ways that individual communication differences, including disorders, interface with sociocultural systems, institutions, and practices. Students will take courses in theory and research methods to explore ways in which sociolinguistic differences shape child development, socialization, and identity. This concentration is intended to help provide students with knowledge related to cultural-linguistic differences (race, ethnicity, socio-economic status, neurodiversity) that is needed to serve an increasingly global society concerned with human rights and responsibilities. Such expertise is expected to enhance multiple career paths in education, law, business, and health-related fields. In addition, undergraduates interested in pursuing careers as an audiologist or speech-language pathologist can combine this concentration with pre-certification requirements.

Current Requirements:		Current	Revised Requirements:		Revised
Code	Title	Hours:	Code	Title	Hours:
SHS 222	Language & Culture of Deaf Communities	3	SHS 222	Language & Culture of Deaf Communities	3
SHS 270	Comm Disability in the Media	4	SHS 271	Communication and Aging	3
SHS 271	Communication and Aging	3	SHS 352	Hearing Health and Society	3
SHS 352	Hearing Health and Society	3	SHS 380	Comm Competence and Disorders	3
SHS 380	Comm Competence and Disorders	3			
6 hours from the following:		6	At least 7 hours from the following:		7
Up to 6 hours of a language other than English (only courses taken above and beyond those used to satisfy the University's language requirement or taken in a different area for elective credit)			This may include 3 hours of a language other than English (only courses taken above and beyond those used to satisfy the university's non-primary language requirement or taken in a different area for elective credit) PLUS 4 hours from the approved courses listed below.		
CMN 232	Intro to Intercultural Comm		CMN 232	Intro to Intercultural Comm	
CHLH 330	Disability in American Society		CHLH 330	Disability in American Society	
CHLH 407	Disability, Culture & Society		CHLH 407	Disability, Culture & Society	
EPS 310	Race and Cultural Diversity		EPS 310	Race and Cultural Diversity	
EPSY 202	Exploring Cultural Diversity		EPSY 202	Exploring Cultural Diversity	
LING 111	Language in Globalization		LING 111	Language in Globalization	
LING 210	Language History		LING 210	Language History	
LING 450	Sociolinguistics I		LING 450	Sociolinguistics I	
SPED 117	The Culture of Disability		SPED 117	The Culture of Disability	
SOC 225	Race and Ethnicity		SOC 225	Race and Ethnicity	
SOC 227	Race and Ethnicity		SHS 270	Comm Disability in the Media	
SHS 291	Research Lab Experience in SHS1		SHS 291	Research Lab Experience in SHS ¹	
			SHS 333	Children with Neurodevelopmental Disorders Across Communication Contexts	
			SHS 390	Individual Study ¹	
			SHS 395	Honors Individual Study ¹	
			SHS 475	Prepracticum in SHS (requires senior standing and completion of core classes)	
Total Hours		22	Total Hours		19

<p>Footnotes</p> <p>¹ Approved for S/U grading only. Must be arranged with individual faculty member.</p>	<p>Footnotes</p> <p>¹No more than 3 credits from SHS 291, SHS 390 and SHS 395 may be counted toward the 7 credits of specified electives.</p>
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The **concentration in Speech-Language Pathology** provides explicit background in the theoretical and clinical areas necessary for graduate study. Students will learn foundational knowledge for understanding human speech, language, swallowing, hearing, and balance processes, with a particular eye toward the implications of differences and disruptions in the communication systems associated with disorders. Although students across any of the concentrations can pursue the graduate study and pre-certification requirements associated with becoming an audiologist or speech-language pathologist, the Speech-Language Pathology concentration is the most directly associated with opportunities for clinical observation in speech-language pathology.

More information about the fields of speech-language pathology and audiology may be found on the American Speech-Language Hearing Association’s web site: <http://www.asha.org>.

Current Requirements:		Current	Revised Requirements:		Revised
Code	Title	Hours:	Code	Title	Hours:
SHS 280	Communication Neuroscience	3	SHS 280	Communication Neuroscience	3
SHS 380	Comm Competence and Disorders	3	SHS 380	Comm Competence and Disorders	3
SHS 385	Evidence-Based Practice in Communication Sciences and Disorders	3			
SHS 451	Aural Rehab Children to Adults (requires senior standing and completion of core classes)	2 to 4	SHS 451	Aural Rehab Children to Adults	3
SHS 473	Augmentative & Alt Comm	2 to 4	SHS 473	Augmentative & Alt Comm	3
SHS 475	Prepracticum in SHS (requires senior standing and completion of core classes)	1 to 2	SHS 475	Prepracticum in SHS (requires senior standing and completion of core classes)	1
Students must also take 6 hours from the following specified electives:		6	Students must also take 6 hours from the following specified electives:		6
SHS 271	Communication and Aging		SHS 271	Communication and Aging	
SHS 291	Research Lab Experience in SHS ¹		SHS 291	Research Lab Experience in SHS ¹	
SHS 285	Quantitative bases in SHS (or approved substitutive) ¹		SHS 333	Children with Neurodevelopmental Disorders Across Communication Contexts	
SHS 375	Comm Partners & Health		SHS 375	Comm Partners & Health	
SHS 411	Normal and Disorders Voice (Requires senior standing in the SHS program or instructor consent)		SHS 390	Individual Study ¹	
			SHS 395	Honors Individual Study ¹	
SHS 410	Stuttering: Theory & Practice (Requires senior standing in the SHS program or instructor consent)		SHS 410	Stuttering: Theory & Practice	
SHS 430	Devel & Disorders Phonol Artic		SHS 430	Devel & Disorders Phonol Artic	
SHS 431	Lang Disorders Preschool Child (requires senior standing in the SHS program or instructor consent)		SHS 431	Lang Disorders Preschool Child	
Total Hours		20-24	Total Hours		19
Footnotes			Footnotes		
¹ Approved substitutions include: CHEM 101, CHEM 102 & 103, CHEM 108, PHYS 101, PHYS 140, PHYS 150, or PHYS					

193 provided this is not being used to satisfy a university General Education requirement.	¹ No more than 3 credits from SHS 291, SHS 390 and SHS 395 may be counted toward the 7 credits of specified electives.
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