FROM THE UNDERGRADUATE ADVISING COORDINATOR

IT IS IMPORTANT TO CONSULT WITH AN ADVISOR EARLY IN YOUR COLLEGE CAREER

Students are strongly encouraged to seek academic advising at the earliest possible time and to do so regularly throughout their academic careers, whether or not advising is mandatory in their particular programs.

The purpose of this packet is to answer the questions you are most likely to have as you begin your career in Speech and Hearing Science. You ultimately have the responsibility of taking the courses to fulfill your Major, College, and University requirements, which will allow you to graduate in a timely fashion. This packet of information and your advisors in Speech and Hearing Science can only guide you. Students must use the Arizona State University General Catalog as their main source of information about degree requirements. You must read it very carefully. If you do not have a catalog you may obtain one at the University Bookstore. Whenever you meet with an SHS advisor, you should take this information packet, the General Catalog, transfer credit transcripts, and any other important information to use as a reference during your meeting. The Speech and Hearing Science Department has undergraduate advisors located in room LL 648D (965-4520), and an Advising Coordinator, Ingrid McBride, in room LL 173I (965-0614).

The Bachelor of Science degree in Speech and Hearing Science (SHS) is offered through the College of Liberal Arts and Sciences (CLAS). This is an academic program with an emphasis on the scientific study of speech, language, and hearing. This B.S. Degree is preparatory for a Master’s Degree program in Audiology or Speech and Language Pathology.

It is important that you familiarize yourself with graduation requirements for (I) University General Studies, (II) College of Liberal Arts and Sciences, and (III) Department of Speech and Hearing Science.

Remember, it is your responsibility to meet all of the requirements for the completion of the degree.

Good Luck in Your Academic Career!!!
I. UNIVERSITY REQUIREMENTS

To graduate from ASU, a student must satisfy the University General Studies requirement in 5 core areas, AND in 3 awareness areas. Pass/Fail courses do not fulfill any of these requirements. The ASU General Catalog contains details. The following is a summary of these requirements and how they apply to the major in Speech Hearing Science.

THE FIVE CORE AREAS ARE: (1) Literacy and Critical Inquiry, (2) Mathematics Studies/Numeracy, (3) Humanities and Fine Arts, (4) Social and Behavioral Sciences, and (5) Natural Sciences.

1. Literacy and Critical Inquiry (L)

University General Studies requires students to complete 6 hours of courses, 3 of which must be upper division, that fulfill the Literacy and Critical Inquiry requirement (designated L in the General Catalog). This stipulates a sequence of two courses beyond ENG 101 and 102 or ENG 105 (First Year Composition). ENG 101, 102 or 105 must be completed prior to taking an “L” course. It is suggested that literacy courses be selected which also fulfill 1 or 2 of the awareness categories listed below.

2. Mathematical Studies/Numeracy (MA, CS)

University General Studies requires 6 hours in basic mathematics including 3 hours in a course designated MA and 3 hours in a course designated CS. Students in SHS must complete PSY 230 (Introduction to Statistics). This fulfills the CS requirement. The MA requirement must be completed by the time the student has reached 30 credit hours or immediately thereafter. MAT 117 (College Algebra) or MAT 170 (Precalculus) are suggested courses to fulfill this requirement. SHS students are required to take MAT 170 to fulfill the related field coursework. MAT 117 is a prerequisite for MAT 170.

3. Humanities and Fine Arts/4. Social Behavioral Sciences (HU, SB)

University General Studies requires a total 15 hours to be completed in Humanities and Fine Arts and in Social Behavioral Sciences (designated HU and SB in the General Catalog). If a student takes 6 hours of General Studies Humanities courses, s/he must complete 9 hours in General Studies courses that are designated General Studies Social Behavioral Science or vice versa. SHS students are required to take PGS 101, SHS 367, and SHS 465, all of which meet the requirement for Social Behavioral Sciences. Thus, SHS majors will take 9 hours of University Social Behavioral and 6 hours of University Humanities. For more information please refer to the University General Catalog. It is suggested that courses selected to fulfill the humanities requirement also be selected to meet 1 or 2 of the awareness areas listed below.

5. Natural Sciences (SG, SQ)

University General Studies requires 8 hours of lab science in Natural Sciences. SHS requirements mandate that SHS majors take BIO 201 (Human Anatomy and Physiology) and PHY 101, 101L (Intro to Physics and lab). These are both prerequisites for at least one SHS class. The BIO 201 satisfies the SG (natural science—general) designation and PHY 101 satisfies the SQ (natural science—quantitative) designation. It is recommended that you take these lab sciences BEFORE the fall semester in which you plan to register for SHS 310 and SHS 311 as these courses are ONLY offered in the fall semester.
THE AWARENESS AREAS ARE: (1) Cultural Diversity, (2) Global Awareness, (3) Historical Awareness.

The University requires that courses be taken in each of the three awareness areas. A single course may satisfy 1 core and 1 or 2 awareness areas but never more than 1 core area simultaneously. Completion of a traditional, spoken, foreign language to the 202 level fulfills the Global Awareness requirement. ASL (SHS 101-102) does not fulfill the Global Awareness requirement. Courses fulfilling the awareness areas are designated by a G, C, or H in the General Catalog.

First Year Composition Requirement

Students must take ENG 101 and 102; or ENG 107 and 108; or ENG 105 with a grade of C or better. These courses must be completed before taking a course designated L.

II. COLLEGE OF LIBERAL ARTS AND SCIENCE (CLAS) REQUIREMENTS

A student in CLAS must satisfy requirements in 4 areas: (1) Humanities and Fine Arts, (2) Social Behavioral Sciences, (3) Natural Sciences and Mathematics, and (4) Second Language Proficiency. Courses used to fulfill the CLAS Humanities (HU), Social Behavioral Sciences (SB), Natural Sciences and Mathematics (SG or SQ) requirements cannot be used to fulfill the University General Studies requirements. In addition, each student is required to complete a 3 credit-hour Bridge Course to be selected from a list of approved courses. Consult the ASU General catalog for details.

1. Humanities 2. Social Behavioral Sciences

Because SHS majors will take 9 hours of University Social Behavioral Science, they need 6 hours of CLAS Social Behavioral Science, all of which must be upper division. Because SHS majors will take 6 hours of University Humanities, they need to take 6 hours of CLAS Humanities, all of which must be upper division, plus one Bridge Course. Only certain course prefixes may be used for credit in the CLAS. Refer to the general catalog or the SHS Undergraduate Curriculum Guide for the approved course prefixes in each area. A variety of Bridge courses are available and you must select from the list of currently approved courses. New courses are periodically added; please see the Bridge course flyer in SS 111 or on the web at http://www.asu.edu/clas/bridgecourses for an updated list. Please note that SHS 394 (Brain, Memory, and Language) is approved to fulfill the bridge course requirement.

3. Natural Sciences and Mathematics

Students must complete 6 hours of Natural Sciences and Mathematics. SHS majors are required to take MAT 170 (Precalculus) and PSY 230 (Intro to Statistics), which can be used to fulfill the University MA requirement as well as the CLAS Natural Sciences and Mathematics requirement. Additionally, students are strongly advised to take PSY 290 (Research Methods), which can be used to meet CLAS natural science & mathematics requirements. Other approved prefixes for these courses include: ASM, BIO, CHM, BCH, CSE, GPH, GLG, MAT, STP, MIC, MBB, PHY, AST, PHS, PLB, and PSY. Please note: You cannot double count BIO 201 or PHY 101 to meet both the University Lab Sciences requirement AND the CLAS Natural Sciences and Mathematics requirement.

4. Foreign Language Proficiency

Students in CLAS are required to demonstrate proficiency in a foreign language at the intermediate level (202 or equivalent), OR pass a foreign language course at the 300 level or above taught exclusively in a
foreign language, OR complete their secondary education at a school in which the language instruction was not English. SHS 101-202 (American Sign Language) now fulfills the language requirement.

III. SPEECH AND HEARING SCIENCE REQUIREMENTS

Students are required to complete 43 hours in the major, 40 of which are core, and 3 of which are elective. Core courses are SHS 250, 310, 311, 367, 375, 376, 384, 401, 402, 450, 465, and 496. Additionally, two of the three following courses must be taken: SHS 431, 470 and 485. Elective credit is selected from SHS 105, 101, 102, 201, 202, 394, 494, and 499 or whichever of 431, 470, and 485 was not taken as a required course. ASL (SHS 101-102) cannot be used to meet elective requirements if it is used to meet the CLAS Foreign Language Proficiency requirement.

Students are also required to take 17 hours in related courses. These courses are MAT 170 (Precalculus), PGS 101 (Introduction to Psychology), PSY 230 (Introduction to Statistics), BIO 201 (Human Anatomy and Physiology, lab), and PHY 101, 101L (Introduction to Physics, Physics lab). These courses will also fill various University or CLAS requirements.

ATTENTION: Many courses are offered only once a year, and students must observe the prerequisites for each course. Plan your academic schedule so that your lab sciences are completed before the fall semester in which you plan to take SHS 310 and SHS 311. If you do not take these classes during the fall semester it will set you back one entire year. Additionally, the ASL courses typically have heavy enrollment. Therefore, students should allow approximately 6 semesters to complete the language proficiency requirement in planning for graduation.

Below is a recommended sequence for taking these courses. Please note that this is only a suggestion and will likely need to be adapted for each individual. The semester when the class is typically offered is indicated after the course number (F = Fall, S = Spring, SS = Summer Session, prq = prerequisite course, r = required course). Consult the most recent schedule of classes to confirm course offerings each semester.

YEAR 1 (31 credit hours)

MAT 170r Precalculus Algebra and Trigonometry (3) F, S, SS (prq MAT 117 or 2 years high school algebra)
SHS 105 Survey of Communication Disorders (3) F, S (for elective credit)
SHS 250r Introduction to Phonetics (3) F, SS
LANGUAGE 101 level to meet language requirement
LANGUAGE 102 level to meet language requirement
ENG 101/102 First year composition requirement
HUMANITIES 6 credit hours Lower division (select course to also meet 1 or 2 awareness areas)
BIO 201r Human Anatomy and Physiology (4) F, S, SS

YEAR 2 (29 credit hours)

PHY 101r Intro to Physics (4) F, S, SS (required for SHS 311) (prq MAT 170)
PSY 230r Introduction to Statistics (3) F, S, SS
PSY 290 Research Methods (4) (recommended) F, S, SS (prq PGS 101, PSY 230)
PGS 101r Introduction to Psychology (3) F, S, SS
LANGUAGE 201 level
LANGUAGE 202 level
LITERACY 3 credit hours Lower Division (select course that also meets 1 or 2 awareness areas)
ELECTIVE SHS or CLAS/University 3 credit elective
ELECTIVE SHS or CLAS/University 3 credit elective

YEAR 3 (33 credit hours)

FALL
SHS 310r Anatomical & Physiological Bases of Speech F (prq BIO 201)
SHS 311r Physical & Physiological Bases of Hearing F (prq PHY 101, BIO 201)
SHS 367r  Language Science (3) F
SHS 402r  Methods of Modifying Communicative Behavior (3) F (prq SHS 250)
LITERACY  3 credit hours UPPER division (select course that also meets 1 or 2 awareness areas if needed)
HUMANITIES  3 credit hours UPPER division (select courses that also meet 1 or 2 awareness areas if needed)

**SPRING**
SHS 375r  Speech Science (3) S (prq SHS 310, 311)
SHS 376r  Psychoacoustics (3) S (prq SHS 311)
SHS 465r  Language Acquisition (3) S (prq SHS 367)
HUMANITIES  3 credit hours UPPER division (select courses that also meet 1 or 2 awareness areas if needed)
SOCIAL/BEH  3 credit hours UPPER division

**YEAR 4 (28 credit hours)**

**FALL**
SHS 384r  Introduction to Hearing Disorders (3) F (prq SHS 311, 376)
SHS 401r  Introduction to Audiologic Evaluation (3) F, SS (prq SHS 311, 376, 384)
SHS 431*  Developmental Speech Disorders (3) F (prq SHS 250, 310)
SHS 470*  Developmental Language Disorders (3) F (prq SHS 465)
ELECTIVE  SHS or CLAS 3 credit elective

**SPRING**
SHS 450r  Observation (1) F, S (prq instructor approval)
SHS 496r  Aural Rehabilitation (3) S (prq SHS 375, 401)
SHS 485*  Acquired Speech and Language Disorders (3) S (prq SHS 465)
BRIDGE  Select 3 credit hour bridge course from approved list
SOCIAL/BEH  3 credit hours UPPER division

Other Possible Elective Courses
SHS 494  Special Topics (variable credits 1-3) F, S, SS
SHS 499  Independent Study (variable credit 1-3) F, S, SS

**NOTE:** SHS 494, 499 must be the result of a special agreement between a faculty member and a student. Students should not register for 494 or 499 without such an agreement.

* You must take two of the following 3 courses as required by your major: SHS 431, 470, 485. If you are considering audiology as a career, you should take SHS 431 and 470 to fulfill ASHA requirements.

**GRADUATION REQUIREMENTS**

* 120 Semester hours
* Minimum GPA of 2.0
* 45 Semester hours of upper division courses
* Maximum of 64 transfer hours from a community college
Minor in Speech and Hearing Sciences

The minor in Speech and Hearing Sciences consists of 24 Semester Hours with the following classes required:

<table>
<thead>
<tr>
<th>Prefix</th>
<th>Course Title</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>SHS 105</td>
<td>Survey of Communication Disorders</td>
<td>(3)</td>
</tr>
<tr>
<td>SHS 250</td>
<td>Phonetics</td>
<td>(3)</td>
</tr>
<tr>
<td>SHS 310</td>
<td>A &amp; P Bases of Speech</td>
<td>(3)</td>
</tr>
<tr>
<td>SHS 311</td>
<td>A &amp; P Bases of Hearing</td>
<td>(3)</td>
</tr>
<tr>
<td>SHS 367*</td>
<td>Language Science</td>
<td>(3) and/or</td>
</tr>
<tr>
<td>SHS 375*</td>
<td>Speech Science</td>
<td>(3) and/or</td>
</tr>
<tr>
<td>SHS 376*</td>
<td>Psychoacoustics</td>
<td>(3)</td>
</tr>
</tbody>
</table>

* Student must take at least one of the above three classes

The remainder of the 24 SHS credits must come from the following courses:

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<tr>
<th>Prefix</th>
<th>Course Title</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>SHS 384</td>
<td>Hearing Disorders</td>
<td>(3)</td>
</tr>
<tr>
<td>SHS 401</td>
<td>Introduction to Audiological Evaluation</td>
<td>(3)</td>
</tr>
<tr>
<td>SHS 402</td>
<td>Modifying Communicative Behavior</td>
<td>(3)</td>
</tr>
<tr>
<td>SHS 431</td>
<td>Developmental Speech Disorders</td>
<td>(3)</td>
</tr>
<tr>
<td>SHS 465</td>
<td>Speech and Language Acquisition</td>
<td>(3)</td>
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<td>SHS 470</td>
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<td>SHS 485</td>
<td>Acquired Speech and Language Disorders</td>
<td>(3)</td>
</tr>
<tr>
<td>SHS 496</td>
<td>Aural Rehabilitation</td>
<td>(3)</td>
</tr>
<tr>
<td>SHS 394</td>
<td>Brain, memory &amp; Language</td>
<td>(3)</td>
</tr>
</tbody>
</table>

Note: *Students must complete appropriate prerequisites before enrolling in any SHS class.

**BIS (Bachelors of Interdisciplinary Studies) Degree students:** The SHS minor is an approved area of concentration towards the BIS degree. Pre-BIS Students must complete the Cyber Workshop and schedule an appointment with an academic advisor in Cross-college Advising Services prior to declaring regular major status.

**Areas of Concentration (36 hours)**

The BIS degree includes two academic concentrations limited to officially approved minors and certificate programs.

- A minimum of 18 hrs must be completed in each concentration area with a grade of 'C' or better. Consult individual concentration sheet for additional grade requirements.
- 12 hours in each concentration area must be upper-division.
- A course may only be counted toward one concentration area and cannot be shared with BIS core courses.

**The Interdisciplinary Core Courses (12 credit hours)**

- **BIS 301 Foundations of Interdisciplinary Studies**
- **BIS 302 Interdisciplinary Studies**
- **BIS 401 Applied Interdisciplinary Studies**
- **BIS 402 Senior Seminar**