

BACHELOR OF SCIENCE

IN

SPEECH, LANGUAGE, AND HEARING SCIENCES

2006-2007

DEPARTMENT OF SPEECH, LANGUAGE, AND HEARING SCIENCES

UNIVERSITY OF ARIZONA

P.O. BOX 210071

TUCSON, ARIZONA 85721

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GENERAL INFORMATION

INTRODUCTION

The Department of Speech, Language, and Hearing Sciences offers coursework leading to B.S., M.S., Au.D. and Ph.D. degrees. The undergraduate major is preparatory to graduate study. The master's program in speech-language pathology and the clinical doctoral program in audiology are accredited by the Council on Academic Accreditation (CAA) of the American Speech-Language-Hearing Association (ASHA).

The Master's of Sciences (M.S.) program is a two-year course of study that includes a variety of clinical training opportunities for students desiring a career in speech-language pathology. Those master's level students planning to pursue studies leading to a Ph.D. degree should also plan to complete a master's thesis.

The Audiology Doctoral (Au.D.) program is a four-year course of study that is a first professional degree with a clinical emphasis in audiology.

The Doctor of Philosophy (Ph.D.) program prepares students for academic and research careers through coursework and participation in research projects.

The information that follows is subject to change. The Departmental requirements and practices summarized herein supplement those described in the University's General and Graduate Catalogs. In case of conflict, the appropriate Catalog prevails. Students are held to Departmental requirements in effect at the time they are admitted to the program unless they formally choose to meet new requirements.

Training Mission Statement

Department of Speech, Language, and Hearing Sciences

The training mission of the Department of Speech, Language, and Hearing Sciences at the University of Arizona is to provide academic and clinical training to students in audiology and speech-language pathology sufficient to achieve the following knowledge outcomes and skills:

- Ability to comprehend basic principles of biological and physical sciences, mathematics and the social and behavioral sciences.
- Ability to demonstrate speech and language skills necessary for effective interaction with clients/patients and their relevant others, for writing grammatical and substantive scientific and technical reports, diagnostic and treatment reports, treatment plans, and professional correspondence.
- Ability to analyze, synthesize and evaluate biological, acoustic, psychological, developmental, linguistic and cultural correlates of basic human communication processes and disorders including: speech, receptive and expressive language in oral, written, and manual modalities, hearing, swallowing, cognitive aspects of communication, and social aspects of communication.
- Ability to analyze and evaluate information about prevention, assessment, and intervention over the range of communication disorders specified in the current ASHA Scope of Practice for audiology and speech-language pathology.
- Ability to analyze and synthesize relevant information regarding professional ethics and to interpret the principles of the ASHA Code of Ethics as they apply to the professional practice of audiology and speech-language pathology.
- Ability to comprehend the common principles of research and research design, both basic and applied, used in human communication sciences and disorders and to know sources of research information and how to access them.
- Have an understanding of issues currently having an impact on audiology or speech-language pathology as a profession.

**FACULTY AND PROFESSIONAL STAFF
SPEECH, LANGUAGE, AND HEARING SCIENCES**

CURRENT FACULTY:

Alt, Mary	Ph.D. Assistant Professor (Speech-Language Pathology)
Barkmeier-Kraemer, Julie	Ph.D. Associate Professor (Speech-Language Pathology)
Bayles, Kathryn A.	Ph.D. Professor Emerita (Speech-Language Pathology)
Beeson, Pelagie M.	Ph.D. Associate Professor (Speech-Language Pathology)
Boone, Daniel R.	Ph.D. Professor Emeritus (Speech-Language Pathology)
Bunton, Kate	Ph.D. Assistant Research Scientist (Speech-Language Path)
Cone-Wesson, Barbara	Ph.D. Associate Professor (Audiology)
Crooke, Pamela	Ph.D. Clinical Instructor (Speech-Language Pathology)
Curlee, Richard F.	Ph.D. Professor Emeritus (Speech-Language Pathology)
Cuzner, Lea	M.S. Clinical Instructor (Speech-Language Pathology)
DeFeo, Anthony B.	Ph.D. Director, Speech-Language and Hearing Clinics
Faux Muller, Cass	M.S. Clinical Instructor (Speech-Language Pathology)
Finn, Patrick	Ph.D. Associate Professor (Speech-Language Pathology)
Foreman, Kelli	M.S. Clinical Instructor (Speech-Language Pathology)
Glattke, Theodore J.	Ph.D. Professor (Audiology)
Harris, Frances P.	Ph.D. Retired Assistant Department Head (Audiology)
Hawley, Janet	M.S. Clinical Instructor (Speech-Language Pathology)
Hesse, Kristi	Au.D. Clinical Instructor (Audiology)
Hixon, Thomas J.	Ph.D. Director, Institute for Neurogenic Communication Disorders and Professor (Speech-Language Path)
Hodgson, William R.	Ph.D. Professor Emeritus (Audiology)
Hogan, Tiffany	Ph.D. Assistant Professor (Speech-Language Pathology)
Hoit, Jeannette D.	Ph.D. Professor (Speech-Language Pathology)
Holland, Audrey L.	Ph.D. Professor Emerita (Speech-Language Pathology)
Kiernan, Barbara	Ph.D. Director, Child Language Center
Lee, Jungmee	Ph.D. Assistant Professor (Audiology)
Lotto, Andrew	Ph.D. Assistant Professor (Audiology)
Matkin, Noel D.	Ph.D. Professor Emeritus (Audiology)
McDonald, Betty	M.A. Clinical Instructor (Speech-Language Pathology)
Muller, Thomas	Au.D. Clinical Instructor (Audiology)
Norrix, Linda	Ph.D. Clinical Instructor (Audiology)
Plante, Elena	Ph.D. Acting Department Head (Speech-Language Path)
Shelton, Ralph L.	Ph.D. Professor Emeritus (Speech-Language Pathology)
Story, Brad	Ph.D. Associate Professor (Speech Science)
Swisher, Linda	Ph.D. Professor Emerita (Speech-Language Pathology)
Van Tasell, Dianne	Ph.D. Professor (Audiology)

ADJUNCT FACULTY AND CLINICAL INSTRUCTORS:

Ascher, Sarah Super	M.S.	Audiologist, Carondelet St. Joseph's Hospital
Casteix, Jennifer	M.S.	University Associate, Tucson Medical Center
Cevette, Michael	Ph.D.	Adjunct Associate Professor (Audiology)
Childers, Robert L.	Ph.D.	Adjunct Associate Professor (Audiology)
Coppola, Lisa	M.S.	University Associate, St. Joseph's Hospital
Emami, Afshin J.	M.D.	Adjunct Assistant Professor
Fragomeni-Nuttall, Mary	M.S.	Director, Outpatient and Pediatric Therapies, Tucson Medical Center
Gapp, E. Elizabeth	M.S.	University Associate, Marana Public Schools
Gasch, Janis W.	M.S.	Audiology, Arizona Hearing Specialists
Gilabert, Nancy	M.S.	Speech-Language Pathologist, Roberts Elementary
Glose, Diana M.	M.S.	Audiologist, VA Medical Center
Hill, Emmeline K.	M.S.	Audiologist, Children's Clinics for Rehabilitative Services
Howard, Sherril	M.S.	University Associate, Instruction, Speech Center of Southern Arizona
Johnsen, Debora	M.S.	University Associate
Keller, Lyn M.	Au.D.	University Associate
Maré, Christine L.	Au.D.	University Associate
McMullen, Nathaniel	Ph.D.	Associate Professor (Anatomy, Speech & Hearing)
Primeau, Richard L.	M.A.	Audiologist, VA Medical Center
Robinette, Martin	Ph.D.	Adjunct Professor (Audiology)
Welker, Rebecca D.	M.S.	Speech-Language Pathologist
Wilson, Kent	Ph.D.	Adjunct Associate Professor (Speech-Language Path.)

RESEARCH FACILITIES

The Department of Speech, Language, and Hearing Sciences at the University of Arizona includes laboratories in the following areas: psychoacoustics, speech physiology, child language, and aphasia. These laboratories complement the Department's practicum facilities and are used for both faculty research and student research training.

The current research interests of the faculty include:

- Mary Alt: Receptive language development with a particular emphasis on the learning mechanisms that contribute to Specific Language Impairment.
- Julie Barkmeier-Kraemer: Normal anatomy and physiology of the larynx for voice production and swallowing, neuroanatomy and neurophysiology of the larynx, voice disorders, and dysphagia.
- Pelagie Beeson: Neurogenic communication disorders, with particular emphasis on the nature and treatment of aphasia, acquired alexia and agraphia.
- Barbara Cone-Wesson: Human auditory system development and methods for assessing hearing in infants at risk for hearing loss or neurologic impairment.
- Anthony DeFeo: Language disorders of school-age children, clinical assessment and treatment strategies for speech-language disorders, disordered articulation in children, and case studies.
- Patrick Finn: Fluency disorders, stuttering, recovery from stuttering, treatment outcome evaluation, concept and measurement of clinical significance.
- Theodore Glatke: Auditory evoked potentials, otoacoustic emissions, psychoacoustics and physiology of hearing disorders.
- Thomas Hixon: Speech breathing, normal and abnormal speech motor control, motor speech disorders.
- Tiffany Hogan: Language and reading development with focus on the mental lexicon and its link to early identification and treatment of reading disabilities
- Jeannette Hoit: Normal and abnormal speech motor control, aging speech and hearing physiology, motor speech disorders, research ethics and practices.

- Barbara Kiernan: The atypical language-learning characteristics of children with specific language impairment.
- Jungmee Lee: Understanding mechanism of human auditory system to process spectral and temporal information of sounds through behavioral measurements, psychoacoustics for normal-hearing and hearing impaired population
- Andrew Lotto: Auditory cognitive science; the roles of auditory encoding and perceptual learning in the perception of complex sounds, such as speech
- Elena Plante: Brain-language relations in developmental language disorders and language assessment.
- Brad Story: Speech acoustics/analysis/signal processing, synthesis/simulation of speech and voice, relation between articulation and acoustics, volumetric imaging of vocal, nasal, and subglottal systems, speech-to-speech transformation, perception of natural and synthetic speech.

COURSES IN SPEECH, LANGUAGE, AND HEARING SCIENCES

All courses, with the exceptions noted below, carry three (3) semester hours of credit. Prerequisites (P) are indicated in parentheses and CR indicates Concurrent Registration.

<u>Catalog Number</u>	<u>Course Title</u>	<u>Semester</u> <u>Fall(I), Spring (II)</u>
207	Survey of Human Communication and Its Disorders	I, II
261	Anatomy and Physiology of the Speech Mechanism (4, includes lab) (P two Tier One NATS courses)	II
262	Neurobiology of Communication (P two Tier One NATS courses)	I
270	Scientific Thinking in Speech and Hearing Sciences	I
280	Hearing Science (4, includes lab)	II
282	Biology of Sensation (P two Tier One NATS courses)	I
310	Family Health and Deafness (P two Tier One INDV)	I, II
340	Language Science	I
341	Language Development (P INDV 101)	I
392	Directed Research (1-6)	I, II, 1 st & 2 nd Summer
399	Independent Study (1-3)	I, II
399H	Honors Independent Study (1-3)	I, II
441/541	Language Acquisition (P 340)	II
454/554	Audiologic Rehabilitation-Lifespan (P 280)	II
458/558	Clinical Studies: Speech-Language Pathology (1-3) (P 341 or CR)	I, II, 1 st & 2 nd Summer
459/559	Clinical Studies: Audiology (1-3) (P 483 or CR)	I, II, 1 st & 2 nd Summer
460R/560R	Speech and Hearing Science Instrumentation (2) (P 280 or CR)	I
460L/560L	Speech and Hearing Science Instrumentation Laboratory (1)	I
464	Cultural Diversity: SLP and Audiology Relevance	I
465/565	Acoustics for the Speech and Hearing Sciences (P Math 110)	I
468/568	Speech Perception (P 465, LING 314 or equivalent)	II
470/570	Introduction to Stuttering (P senior status only)	I
471R/571R	Articulation Disorders and Therapies (2) (P 340, 465, 473)	I
471L/571L	Laboratory in Articulation Disorders (1)	I
473	Pediatric Communication Disorders (P 261 or CR)	II
477/577	Adult Communication Disorders (P 261 or CR)	I
478/578	Speech Technology (P 465 or LING 314)	II

<u>Catalog Number</u>	<u>Course Title</u>	<u>Semester</u> <u>Fall(I), Spring (II)</u>
483/583R	Principles of Audiology (P 280)	II & Sum.
483/583L	Laboratory in Principles of Audiology	II
486/586	Pediatric Audiology (P 280, 483R)	II
492	Directed Research (1-6)	I, II
496A	Seminar: Clinical Observations and Analysis (1) (P 472, 473, 483R)	I, II
498	Senior Capstone (1-3)	I, II
498H	Honors Thesis	I, II
499	Independent Study (1-5)	I, II, 1 st & 2 nd Summer
499H	Honors Independent Study	I, II
500	Introduction to Research Methods in Speech and Hearing Sciences	II
501	Professional Issues in Speech-Language Pathology and Audiology (1)	II
502	Principles of Neuroanatomy (4)	II
510	Counseling Techniques in Communication Disorders	I
515	Evaluation Process in Speech-Language Pathology (2)	I
529	Hearing and Aging (1)	I
545A	Adult Language Disorders: Aphasia & Right Hemisphere Syndrome (2)	I
545B	Adult Language Disorders: Dementia and TBI (2)	II
552	Language Disorders in School Age Children (441)	II
555	Developmental Language Disorders: Preschool- Level (P 441)	I
557	Dysphagia	II
558	Clinical Studies: Speech-Language Pathology (1-3)	I, II, 1 st & 2 nd Summer
559	Clinical Studies: Audiology (1-3) (P 589R/L or CR)	I, II, 1 st & 2 nd Summer
562A	Anatomy and Physiology of Auditory & Vestibular Systems	I
562B	Psychophysical Acoustics	II
562L	Laboratory in Psychoacoustics	I, II
564	Cultural Diversity: SLP and Audiology Relevance	II
567	Experimental Phonetics: Physiology	I
572	Voice Disorders (P 567)	I
574	Cleft Palate, Other Craniofacial Disorders, and Communication (P 471R/L or 571R/L)	I
575	Neuromotor Speech Disorders (P 567)	II
576	Communicative Aspects of Aging (1)	II

<u>Catalog Number</u>	<u>Course Title</u>	<u>Semester</u> <u>Fall(I), Spring (II)</u>
580	Occupational and Community Audiology (2)	II
581A	Amplification I	II
581B	Amplification II	Fall 2007
582A	Disorders of Hearing and Balance (4) (P 280, 483R)	II
585	Audiologic Habilitation: Children (P 483/583R)	I
587	Lab in Hearing Aids and Audiologic Rehabilitation (1)	I, II
588A	Physiological Evaluation of the Auditory System	I
588B	Assessment and Rehabilitation of the Balance System	II
588C	Electrophysiology of Auditory Perception and Cognition (2)	II
588L	Laboratory in Electrophysiology	I, II
589R	Advanced Audiologic Evaluation (P 280, 483/583R)	I
589L	Laboratory in Advanced Audiologic Evaluation (1)	I
595A	Colloquium	I, II
596	Seminar (1-3)	
	A Experimental Phonetics	I, II
	B Clinical Audiology	I, II
	C Hearing: Physiology and Psychophysics	I, II
	D Language and Language Disorders	I, II
	E Speech Pathology	I, II
	F Counseling for Speech & Hearing	I, II
	G Cochlear Implants	II
	I Research Forum in Audiology	I, II
	J Business Aspects of Audiology	Pre-session
	K Imaging Technologies	II
	L Aging and the Auditory System	II
	M Tinnitus	1 st Summer
	N Educational Aud & Speech-Lang Path	1 st Summer
597	Workshop (1-3)	
	A Supervision in Speech and Hearing	Summer 2007
	B Professional & Legal Issues in Audiology	II
	C Cerumen Management	1 st Summer
	H Human Neuroanatomy (P PSYC 502)	I, II
599	Independent Study (1-5)	I, II
649	Survival Skills and Ethics	II
658	Advanced Clinical Studies: Speech-Language Pathology (1-3)	I, II 1 st & 2 nd Summer
659	Advanced Clinical Studies: Audiology (1-3)	I, II, 1 st & 2 nd Summer
691	Preceptorship (1-3)	I, II

<u>Catalog Number</u>	<u>Course Title</u>	<u>Semester</u> <u>Fall(I), Spring (II)</u>
695A	Colloquium - Motor Control (2)	II
696	Seminar (1-3)	
A	Topics in Speech, Language & Hearing Sc.	I, II
B	Clinical Audiology	I, II
C	Hearing: Physiology and Psychophysics	I, II
D	Language and Language Disorders	I, II
E	Speech Pathology	I, II
699	Independent Study (1-3)	I, II, 1 st & 2 nd Summer
759	Externship in Audiology (1-14)	I, II, 1 st & 2 nd Summer
793A	Internship in Audiology (1-14)	I, II, 1 st & 2 nd Summer
795A	Clinical Grand Rounds in Audiology (1)	I, II
799	Independent Study (1-3)	I, II, 1 st & 2 nd Summer
900	Research (1-3)	I, II, 1 st & 2 nd Summer
908	Case Studies (1-3)	I, II
910	Thesis (1-6) (maximum total: 6 units)	I, II, 1 st & 2 nd Summer
920	Dissertation (1-9)	I, II, 1 st & 2 nd Summer
930	Supplementary Registration (1-9)	I, II, 1 st & 2 nd Summer

BACHELOR OF SCIENCE PROGRAM OF STUDY

This program of study is intended for students who desire careers in basic and clinical sciences (speech science, hearing science, language science, speech-language pathology, and audiology) in university, laboratory, medical, rehabilitation, public school, or other settings. Professional certification by the Council on Academic Accreditation (CAA) in Speech-Language Pathology and Audiology, of the American Speech-American Speech-Language-Hearing Association, requires graduate study. For information on general education, major, and minor requirements, the student should consult the University of Arizona catalog on the Internet at: <http://catalog.arizona.edu/>.

Advising:

The Department offers advising appointments at least four days a week. Appointments can be made at the reception desk in Room 214, by calling 621-1644, or emailing Pam Adams at adamsp@email.arizona.edu. **We strongly encourage students to bring along an up-to-date Student Academic Progress Report (SAPR) whenever they see their advisor (see Appendix C, for instructions on requesting a SAPR).**

Students are encouraged to join the National Student Speech-Language-Hearing Association (NSSLHA). Meeting dates and times are posted on the Department website calendar (<http://slhs.arizona.edu/>) and on bulletin boards in the Speech and Hearing Building.

The Major:

The undergraduate major in Speech, Language, and Hearing Sciences includes the following required courses as part of the 33-unit major: SP H 261, SP H 270, SP H 280, SP H 340, SP H 441, SP H 465, SP H 477, SP H 473, and SP H 483R/L. Depending on a student's interests and goals, four or more units in SP H 207, 310, 392, 399, 458, 459, 460, 468, 470, 471, 478, 484, 486, 492, 499 or from the following list for qualified students¹:

SP H 498 - Senior Capstone [3] (a writing emphasis course)

SP H 496a - Clinical Observations and Analysis [1] (a writing emphasis course)

In addition to the general education requirements, the Department requires one course in statistics. The degree also requires a supporting minor of 18 units in one or more related subjects

¹ Students with overall undergraduate and major cumulative grade point averages of 3.0 or higher may enroll in SP H 496a, and those whose major cumulative average is 3.50 or higher may enroll in SP H 498, the Senior Capstone course. SP H 496a and 498 can serve as the writing emphasis course for students who cannot use SP H 340 to meet that requirement. Capstone students will be required to prepare reports of a project that is more demanding than a class term paper, but less than that of a master's thesis. Students eligible for the Senior Capstone should be encouraged to plan a clinical, research or scholarship project with the faculty member (s) who will supervise the project while they are second semester juniors so that it can be reviewed and approved by the Department Head prior to their first semester as a senior.

which supplement the major and has been approved by a Departmental advisor.

A recommended curriculum for the B.S. degree in Speech, Language, and Hearing Sciences and an advisement check sheet for transfer students are provided on following pages. Some of the elective entries in the recommended curriculum may be used to meet group or minor requirements. The minimum total units for graduation is 120, at least **42** of which must be in upper-division coursework (300-level and above). At least 18 units in the major must be taken in residence, and no more than 48 units in the major may be applied toward the degree. Students are required to have a 2.0 GPA in the major to graduate.

The Minor:

The minor consists of at least **18 units**, 9 of which must be upper division (300-level and above). Students are required to have a 2.0 GPA in the minor and take at least 3 units in residence. A maximum of **two courses** can be used to simultaneously satisfy general education and minor requirements. No Tier One or Foundations course can apply to a major or minor with the following exceptions:

- a. any Math course above Math 124
- b. the third and fourth semester of a second language sequence taken to satisfy the second language requirement in general education.

There are two options for the minor:

1. A traditional minor in one department related to the major, such as Psychology, Linguistics, or Special Education and Rehabilitation. These minors are established and approved by the minor department. You can check the catalog for specific minor requirements.
2. A thematic minor that includes work in two or more departments that support the major. For example, 6-9 hours of Psychology with additional coursework in such areas as Special Education and Rehabilitation, Educational Psychology, Family Studies, and Counseling and Guidance. These minors are available to students by petition only and the major advisor must approve all thematic minors. You may print the Thematic Minor form by going to the following URL:
<http://www.registrar.arizona.edu/forms/thematicMinorForm.pdf>

Mid-Career Writing Assessment (MCWA):

Every undergraduate degree program requires satisfaction of the Mid-Career Writing Assessment (MCWA). The MCWA is based on students' performance in their second semester English composition course. A grade of A or B in one of the following courses will satisfy this University requirement:

- English 102 or
- English 108 (for ESL students) or
- English 104H (for Honors Students) or

- English 109H (for students earning a 4 or 5 on the AP exam)

Transfer courses in composition are evaluated by the English Writing Program coordinators.

Students earning less than a B grade in their second semester composition course must successfully complete the following in order to satisfy the Mid-Career Writing Assessment (MCWA):

- Passing grades in courses of the freshman writing sequence (either English 101-102, 103H-104H, 107-109, or 109H).
- A passing grade in the designated writing emphasis class.

Students earning less than a C grade in the above coursework, shall meet the department requirement by completing one Writing Center Workshop of their choice and providing written documentation that this was completed. The workshops are free. For further information, visit the Writing Center's website at: <http://w3.arizona.edu/~wsip>.

Clinical Observations:

If your goal is to go on for a Clinical Master's or Audiology Doctoral Degree, you must obtain 25 clock hours of clinical observation. This is an American Speech-Language-Hearing Association (ASHA) requirement before you begin clinical practicum in a graduate program. Although you will obtain some observation hours in several of the undergraduate courses, you will still need to do some observations on your own time. You can sign up to observe clinics in the Grunewald-Blitz Clinic, Room 110. See Appendix A for a copy of the Summary of Observation Experience Form and guidelines for observing in the Clinics.

Before you can observe any clinics, you must complete HIPAA training and sign a confidentiality form. To find out how to get the training, inquire in the Department office. Please see Appendix B for a copy of the departmental policy and the actions that will be taken should a policy violation occur.

Practicum Enrollment (SP H 458 or SP H 459):

In very rare cases, undergraduate students are allowed to enroll in clinical practicum.

If you want to take practicum in **Speech-Language Pathology** (SP H 458), you need to have:

- a cumulative grade point average of at least 3.0 and 3.2 in the major area;
- completed at least 25 hours of supervised observation;
- completed SP H 471 (Artic. Disorders and Therapies) and SP H 441 (Lang. Acq.);
- approval of the Director of the Speech, Language and Hearing Clinics.

If you want to take practicum in **Audiology** (SP H 459), you need to have:

- a cumulative grade point average of at least 3.0 and 3.2 in the major area;
- completed at least 25 hours of supervised observation;
- completed SP H 483R/L (Principles of Audiology);

-approval of the Director of the Speech, Language and Hearing Clinics.

Upper Division Unit Requirement:

To graduate, you need at least **42 units** of Upper Division coursework (300-400 level). It is your responsibility to keep track of your upper division units. If you find that you are short on upper division credit, talk to a Department Advisor about **independent study or directed research opportunities**. This is a good way to get 1-4 units of upper division credit. The Department has a variety of research projects that offer directed research and many faculty offer independent study opportunities. Independent studies and directed research should be arranged individually with the instructor **before** registering. A list of faculty offering these opportunities can be obtained in the department office (Room 214).

**TIMELINE AND SUGGESTED COURSE SEQUENCE
FOR FRESHMAN MAJORS**

Freshman

Fall		Spring	
English 101	3	English 102	3
Math 110	4	Elective	3
SP H 207	3	TRAD I	3
INDV I	3	INDV I	3
NATS I	3	NATS I	3
		Colloquia	1

Sophomore

Fall		Spring	
TRAD I	3	SP H 261	4
SP H 262 or SP H 282	3	INDV II	3
SP H 270	3	Humanities II	3
Foreign Lang or Statistics	3	Foreign Lang or Elective	3
Art II	3	Minor - LD	3

Junior

Fall		Spring	
SP H 465	3	SP H 280	4
SP H 340	3	SP H 441	3
SP H 399 or Elective	1-3	SP H 499 or Elective	1-3
Minor – LD	6	Minor – UD	6

DEGREE CHECK: You should begin the process **before you register for your last semester.** To start the process, schedule an appointment with Pam Adams by calling 621-1644 or by signing up for an appointment at the main office. You will need to bring a current SAPR to that appointment.

GRADUATE RECORD EXAMINATION (GRE): Plan to take the GRE early enough in the year so that you can take it again if needed. You can obtain information regarding the GRE at the Counseling and Testing Office in Old Main.

Senior

Fall		Spring	
SP H 477	3	SP H 473	3
SP H 496A	1	SP H 483R/L	4
Major Elective	3	Major Elective	1
Minor – UD	3	Major Elective	1-3
Elective (e.g. POL 210*)	3-6	Elective	1-3

*Note: Students who expect to work in the Arizona public schools will be required to take Political Science 210 to meet a state requirement.

TRANSFER AND NONDEGREE STUDENTS
SUGGESTED COURSE SEQUENCE

Junior Year:

Fall		Spring	
SP H 270 - Scientific Thinking	3	SP H 280 - Hearing Science	4
SP H 340 - Language Science	3	SP H 441 - Language Acquisition	3
SP H 465 – Acoustics for SPH	3	SP H 261 – Anatomy & Physiology	4

(The Degree Check should be completed before you register for your last semester. See note on the previous page regarding the Degree Check procedure.)

Senior Year:

Fall		Spring	
SP H 477 - Adult Comm Dis	3	SP H 483R/L Principles of Audiology **	4
SP H 496a Clinical Observation	1	SP H 473 - Pediatric Comm Dis	3
SP H Elective	3		

**Also offered in the summer. Check summer schedule of hours for session.

ADVISING GUIDE
DEPARTMENT OF SPEECH, LANGUAGE, AND HEARING SCIENCES
Catalog 2005-2006

I. BASIC SKILLS AND PROFICIENCIES

- A. English Composition
ENGL 101 or ENGL 107 or ENGL 103H -AND-
ENGL 102 or ENGL 108 or ENGL 104H

DEPT	NUMB	TITLE	UNITS	SEM/YR
_____	_____	_____	_____	_____
_____	_____	_____	_____	_____

- B. Mathematics (1 course from: MATH 110, 113, 114)
(Prerequisite: Math Readiness Test or verification of transfer courses.
Premajor requirement is one course in statistics (MATH 160, 263;
PSYC 230, SOC 274).

DEPT	NUMB	TITLE	UNITS	SEM/YR
_____	_____	_____	_____	_____
_____	_____	_____	_____	_____

- C. Foreign Language
Proficiency level of 2nd semester proficiency. Sign Language may be used to
meet this requirement.

DEPT	NUMB	TITLE	UNITS	SEM/YR
_____	_____	_____	_____	_____
_____	_____	_____	_____	_____

II. TIER ONE – Note: no courses in Tier I can apply to the major or minor.

- A. Traditions and Cultures (Choose 2 of the following course numbers:
TRAD 101, 102, 103, 104)

DEPT	NUMB	TITLE	UNITS	SEM/YR
_____	_____	_____	_____	_____
_____	_____	_____	_____	_____

B. Individuals and Societies (Choose 2 of the following course numbers:
INDV 101, 102, 103)

DEPT	NUMB	TITLE	UNITS	SEM/YR
_____	_____	_____	_____	_____
_____	_____	_____	_____	_____

C. Natural Sciences (Choose 2 of the following course numbers:
NATS 101, 102, 104)

DEPT	NUMB	TITLE	UNITS	SEM/YR
_____	_____	_____	_____	_____
_____	_____	_____	_____	_____

III. TIER TWO*

A. Humanities (1 course)

DEPT	NUMB	TITLE	UNITS	SEM/YR
_____	_____	_____	_____	_____

B. Individuals, Societies and Institutions (1 course)

DEPT	NUMB	TITLE	UNITS	SEM/YR
_____	_____	_____	_____	_____

C. Natural Science (2 courses - choose from SP H 261, 262, 282, PSIO 201, 202). SP H 261 will count toward the major and two others toward a thematic minor as well as fulfill this requirement.

DEPT	NUMB	TITLE	UNITS	SEM/YR
_____	_____	_____	_____	_____
_____	_____	_____	_____	_____

D. Arts (3 units)

DEPT	NUMB	TITLE	UNITS	SEM/YR
_____	_____	_____	_____	_____

* One course in a student's degree program must focus on non-western cultures or on race, gender, class or ethnicity.

IV. MAJOR (33 units)

Required: SP H 261, 270, 280, 340*, 441, 465, 477, 473, and 483R

Electives: SP H 207, 310, 392, 399, 458, 459, 460, 464, 468, 470, 471, 478, 483L, 484, 486, 492, 496a*, 498, 499

DEPT	NUMB	TITLE	UNITS	SEM/YR
SP H	<u>261</u>	<u>Anatomy & Physiology of the Speech Mechanism</u>	<u>4</u>	<u>SP</u>
SP H	<u>270</u>	<u>Scientific Thinking in Speech & Hearing</u>	<u>3</u>	<u>F</u>
SP H	<u>280</u>	<u>Hearing Science</u>	<u>4</u>	<u>SP</u>
SP H	<u>340*</u>	<u>Language Science</u>	<u>3</u>	<u>F</u>
SP H	<u>441</u>	<u>Language Acquisition</u>	<u>3</u>	<u>SP</u>
SP H	<u>465</u>	<u>Acoustics for the Speech & Hearing Sciences</u>	<u>3</u>	<u>F</u>
SP H	<u>477</u>	<u>Adult Communication Disorders</u>	<u>3</u>	<u>F</u>
SP H	<u>473</u>	<u>Pediatric Communication Disorders</u>	<u>3</u>	<u>SP</u>
SP H	<u>483R</u>	<u>Principles of Audiology</u>	<u>3</u>	<u>SP</u>
SP H	_____	_____	_____	_____
SP H	_____	_____	_____	_____

*This is the Speech, Language, and Hearing Sciences writing emphasis course.

IV. MINOR (18 units, must include **9 units** of upper division credits and approved by the minor department or if a thematic minor approved by a Speech, Language, and Hearing Sciences advisor)

DEPT	NUMB	TITLE	UNITS	SEM/YR
_____	_____	_____	_____	_____
_____	_____	_____	_____	_____
_____	_____	_____	_____	_____
_____	_____	_____	_____	_____
_____	_____	_____	_____	_____
_____	_____	_____	_____	_____

Note: A maximum of 2 general education courses can be used toward the minor.

V. OPTIONS (To complete 120 units)

DEPT	NUMB	TITLE	UNITS	SEM/YR
_____	_____	_____	_____	_____
POL	210	National and State Constitutions	<u>3</u>	_____
		(Meets the state requirements for a teacher's certificate.)		

120 units required for degree

42 Upper division units

72 Units is maximum transferable from 2-year college (with C or better)

CALENDAR FOR SUGGESTED
COURSE SEQUENCE

FRESHMAN

Fall

Spring

Total Units _____ Total Upper Div _____

Total Units _____ Total Upper Div _____

Summer

_____ Total Units _____ Total Upper Div _____

SOPHOMORE

Fall

Spring

Total Units _____ Total Upper Div _____

Total Units _____ Total Upper Div _____

Summer

_____ Total Units _____ Total Upper Div _____

JUNIOR

Fall

Spring

Total Units _____ Total Upper Div _____

Total Units _____ Total Upper Div _____

Summer

_____ Total Units _____ Total Upper Div _____

SENIOR

Fall

Spring

Total Units _____ Total Upper Div _____

Total Units _____ Total Upper Div _____

Graduate School Applications:

MOST STATES REQUIRE A GRADUATE DEGREE (M.S. or Au.D.) TO PRACTICE SPEECH-LANGUAGE PATHOLOGY OR AUDIOLOGY. Near the end of your junior year, you should begin thinking about where you might want to attend graduate school. Briefly, application to graduate schools involve the following steps:

- Select several universities with accredited graduate programs in speech-language pathology or audiology. A listing of programs accredited by the American Speech-Language-Hearing Association can be obtained from Pam Adams in Room 228. You can also find program addresses and phone numbers on the Web. The Web site address is: <http://www.uww.edu/commdis/cdprograms.html>. General information about issues in communications disorders can be found on the Web at: <http://www.mankato.msus.edu/dept/comdis/kuster2/library.html>.
- Write a short letter to each of the programs you are interested in attending requesting information about their master's program in speech-language pathology or audiology, or E-mail them for their packet.
- Once you receive the information requested, narrow down your choices. You should apply to 2 or 3 programs to ensure your chances of being accepted into at least one. The higher your GPA and GRE scores the fewer schools you need to apply to in order to ensure your acceptance.
- In the meantime, take the Graduate Record Examination (GRE). The GRE is offered several times a year. It is a good idea to take the exam early enough so that you will have time to take it again if necessary. You can obtain information regarding the GRE examination at the Counseling and Testing Office in Old Main.
- Most programs require that you send official transcripts from all the universities you have attended, official GRE scores, an essay composed by you, and letters of recommendation along with your departmental application forms.
- Tell faculty you want them to write letters of recommendation when you take their course. They can remember you better that way.