Department of Speech Pathology and Audiology

Interim Chairperson: Kim Halula, Ph.D.
Department of Speech Pathology and Audiology website (http://www.marquette.edu/chs/speech/)

The Department of Speech Pathology and Audiology at Marquette University offers a bachelor of science degree in speech pathology and audiology and a master of science degree in speech-language pathology. The undergraduate program is considered pre-professional, meaning that a graduate degree is necessary before a person is qualified for professional employment.

The primary purpose of the undergraduate program is to provide introductory level knowledge in the field of Speech Pathology and Audiology, within the context of a traditional liberal Arts and Sciences education, which prepares an individual for study in a professional graduate degree program. This liberal education is based on the philosophy that the individual with an educational foundation in the Arts and Sciences has a broad appreciation for society and its values. Such a traditional undergraduate emphasis provides the needed foundation for the more narrowly focused professional education at the graduate level and is suitable for careers in other communication, education and health-related professions besides speech-language pathology and audiology.

The undergraduate major in speech pathology and audiology includes courses in the areas of normal speech production and development, disorders of speech, language and hearing and methods of evaluation and therapy. Clinical practicum involves actual work with children and adults having speech/language/hearing problems under the direct supervision of certified speech-language pathologists and audiologists. This work is accomplished at the Marquette University Speech and Hearing Clinic. Professional preparation occurs at the graduate level and is a prerequisite for certification/licensure as a professional speech-language pathologist or audiologist.

Degree Offered

The undergraduate curriculum in Speech Pathology and Audiology is a four-year program leading to a bachelor of science degree.

Accelerated Degree Program (ADP)

The Department of Speech Pathology and Audiology offers early admission into its M.S. Program in Speech-Language Pathology. Marquette undergraduate students majoring in speech pathology and audiology can apply for this program in the second term of their junior year. Students accepted into this program are eligible to enroll in up to 12 credits of Speech Pathology and Audiology (SPPA) course work that carry graduate credit during their senior year. Credits obtained for these courses can be used to fulfill both undergraduate and graduate degree requirements. Once students inform the Graduate School of their completion of undergraduate degree requirements, their admission as a regular degree status (RDS) student in the graduate program is activated.

Applicants who are not accepted to the ADP program may be offered early decision (ED), which is an offer of admission to the M.S. program the fall term following graduation from the undergraduate program with a cumulative grade point average (GPA) of at least a 3.500 and completion of the clinical practicum with satisfactory (S) grades in the senior year.

Students with Communicative Disorders

The Department of Speech Pathology and Audiology at Marquette University is dedicated to graduating students with optimum preparation for successful careers in the profession of communication disorders. Since voice, fluency, articulation, language or hearing impairments may interfere with a clinician’s ability to effectively treat persons with communication impairments, we encourage students in our program with such impairments to seek treatment.

English Proficiency

Our department supports the position of the American Speech-Language-Hearing Association in encouraging persons of diverse backgrounds to enter the field of communication disorders. All students in the Department of Speech Pathology and Audiology must provide evidence of adequate written and verbal communication skills in Standard American English necessary to meet academic and clinical requirements. Non-native speakers of English work closely with their advisers throughout the course of their study toward establishing this proficiency prior to enrollment in clinical practicums. Students who speak with accents and/or dialects may seek assistance in improving these skills at the recommendation of department instructional staff.

Admission Requirements

Applicants to the Department of Speech Pathology and Audiology are expected to fulfill the admission requirements listed in the university section of this bulletin. Entering freshmen are accepted for the fall term.

Admission into the undergraduate major in speech pathology and audiology qualifies students for the bachelor of science program; it does not extend to the graduate (master's degree) level. Separate application to the graduate school must be made, usually during students' senior year.

Students may enter the Department of Speech Pathology and Audiology as a freshman, or may transfer into the program from another university division or another institution later in their academic program. Marquette students interested in transferring to the major are required to have a minimum 3.000
GPA and are accepted on a competitive basis for the fall term only. Transfer applicants should understand that admission into most graduate programs is very competitive and requires a minimum GPA of 3.000 to apply, and higher to be competitive.

Since admission requirements for master's degree programs may vary from one university to another, applicants are responsible for meeting those requirements of the institution they desire to enter.

**Professional Standards**

All papers produced by students in all classes under department jurisdiction are expected to conform to professional standards of lucidity, coherence, grammar, spelling and punctuation. All oral presentations produced by students in all classes under department jurisdiction are expected to conform to professional standards of lucidity, coherence and grammar. All instructors in all classes under department jurisdiction consider the factors listed above, as well as substance, in grading written and oral presentations.

**Undergraduate Practicum in Speech Pathology and Audiology**

Students majoring in Speech Pathology and Audiology may complete up to 50 clock hours of direct work with individuals with speech/language/hearing problems. This practicum experience is closely supervised by university personnel who hold the Certificate of Clinical Competence in Speech-Language Pathology or Audiology awarded by the American Speech-Language-Hearing Association. This practicum typically begins second term of the junior year and is generally completed in two terms.

**Laboratories**

The Marquette University Speech and Hearing Clinic serves as a working laboratory for students in the speech pathology and audiology program. The clinic has individual therapy rooms for adults and children, three diagnostic suites, a hearing testing suite and rooms designed for specialized speech/language therapy: developmental treatment room, adult language room, augmentative/alternate communication room and sensory integration room. Other speech pathology and audiology laboratories include communication, movement and learning lab, child language and literacy lab, phonology and language analysis lab, speech and swallowing lab, neurodevelopmental feeding and swallowing lab, neurogenic communication lab, linguistics lab and student computer room.

**Degree Requirements**

Candidates for a Bachelor of Science degree must earn a minimum of 128 semester hours. Students are required to have a GPA of at least 3.000 at the conclusion of their sophomore year to continue in the program. Courses completed with a grade of C- or below do not count toward the total hour requirement for the major but do fulfill the subject matter requirement and do count toward the total number of credit hours for graduation.

The following requirement areas must be completed for a Bachelor of Science degree with a major in Speech Pathology and Audiology:

<table>
<thead>
<tr>
<th>Area</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>Marquette Core Curriculum (MCC)</td>
<td>30</td>
</tr>
<tr>
<td>Cognates for SPPL Majors</td>
<td>16</td>
</tr>
<tr>
<td>SPPL Major Courses</td>
<td>38</td>
</tr>
<tr>
<td>Electives</td>
<td>to achieve 128 total credits</td>
</tr>
</tbody>
</table>

**Marquette Core Curriculum (MCC) Requirements - 30 Credits**

Refer to the Marquette Core Curriculum (MCC) in the University section of this bulletin for courses that will meet requirements. The university allows for a maximum of two courses in the Discovery Tier to apply towards a primary major.

**Cognate Requirements for Speech Pathology and Audiology Major:**

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>BIOL 1001</td>
<td>General Biology 1</td>
<td>3</td>
</tr>
<tr>
<td>BIOL 1410</td>
<td>Biology of Human Disease</td>
<td></td>
</tr>
<tr>
<td>BIOL 1420</td>
<td>Introduction to Environmental Biology</td>
<td></td>
</tr>
<tr>
<td>BIOL 1510</td>
<td>Neuroscience for Non-majors</td>
<td></td>
</tr>
<tr>
<td>BISC 1015</td>
<td>Principles of Human Anatomy and Physiology (5 credits)</td>
<td></td>
</tr>
<tr>
<td>BISC 1035</td>
<td>Principles of Human Anatomy</td>
<td></td>
</tr>
<tr>
<td>ARSC 1020</td>
<td>Major Concepts in Modern Science 1</td>
<td>3</td>
</tr>
<tr>
<td>ARSC 1021</td>
<td>Major Concepts in Modern Science 2</td>
<td></td>
</tr>
<tr>
<td>CHEM 1001</td>
<td>General Chemistry 1 (4 credits)</td>
<td></td>
</tr>
</tbody>
</table>
PHYS 1001 General Physics 1 (4 credits)

Psychology Cognate I:
PSYC 1001 General Psychology

Psychology Cognate II (Complete one course):
PSYC 2101 Introduction to Life-Span Developmental Psychology for the Health Professions
PSYC 3101 Developmental Psychology: Conception Through Adolescence
EDUC 1001 Psychological Development: Children and Adolescents

Statistics Cognate (complete one course):
MATH 1700 Modern Elementary Statistics
SOCI 2060 Social Statistics
PSYC 2001 Psychological Measurements and Statistics (4 credits)

Medical Ethics Cognate
HEAL 3200 Bioethics for Healthcare: Foundations, Dilemmas and Decision-Making
PHIL 4335 Biomedical Ethics
PHIL 4336 Applied Ethics for the Health Sciences
THEO 4450 Medical Ethics

Total Credit Hours: 13

Supplemental Course work
The selection of elective courses will be determined by the professional goals of students. An academic adviser should be consulted for recommendations concerning the appropriate program to follow.

Students planning to continue graduate work in Speech-Language Pathology are advised to prepare for meeting requirements for licensure as a public school speech and language pathologist. This significantly broadens the scope of professional employment opportunities upon completion of training. Undergraduate courses recommended are:

- EDUC 4217 Educating Exceptional Learners
- SPPA 4610 Multicultural Issues for Speech-Language Pathologists

A minor is not required of students majoring in speech pathology and audiology. If students choose to select a minor, an interdisciplinary minor of their choice may be formulated, or a minor may be selected in any department of the university. In the latter instance, the minor requirements are subject to the regulations of the department involved. Minors in psychology, languages (particularly Spanish) or family studies have been found to be particularly useful to students seeking a career in speech-language pathology or audiology. Students should consult with their academic adviser about pursuing a minor.

Related Fields
Students wishing to pursue graduate studies in Deaf Education, Learning Disabilities, Special Education, and other related areas may need to supplement their programs of study with additional course work. Students interested in these areas should consult institutions conferring such degrees for prerequisites and requirements.

Speech Pathology and Audiology Major
The Speech Pathology and Audiology major consists of a minimum of 38 credit hours. The following courses constitute the Speech Pathology and Audiology major:

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>SPPA 1001</td>
<td>Introduction to Speech-Language Pathology and Audiology</td>
<td>3</td>
</tr>
<tr>
<td>SPPA 1100</td>
<td>Anatomy and Physiology of the Speech Mechanism</td>
<td>3</td>
</tr>
<tr>
<td>SPPA 2120</td>
<td>Phonetics and Phonology</td>
<td>3</td>
</tr>
<tr>
<td>SPPA 2130</td>
<td>Child Language Development</td>
<td>3</td>
</tr>
<tr>
<td>SPPA 2210</td>
<td>Child Language Disorders</td>
<td>3</td>
</tr>
<tr>
<td>SPPA 2220</td>
<td>Child Speech Sound Disorders</td>
<td>3</td>
</tr>
<tr>
<td>SPPA 3140</td>
<td>Speech Science</td>
<td>3</td>
</tr>
<tr>
<td>SPPA 3510</td>
<td>Introduction to Audiology</td>
<td>3</td>
</tr>
<tr>
<td>SPPA 3710</td>
<td>Intervention Methods in Speech-Language Pathology</td>
<td>3</td>
</tr>
<tr>
<td>SPPA 3964</td>
<td>Practicum in Speech-Language Pathology 1: Campus Clinic</td>
<td>1</td>
</tr>
</tbody>
</table>

Choose one of the following:
SPPA 4230 - Stuttering and Other Fluency Disorders (for students admitted to the ADP program)
SPPA 4520/5520 - Hearing Disorders
SPPA 4530/5530 - Audiological Rehabilitation

And an additional 7 hours, chosen from the following:

- ASLA 1002 - American Sign Language 2
- SPPA 3840 - Autism for the Professions
- SPPA 4160/5160 - Neurological Bases of Human Communication Processes and Related Functions
- SPPA 4230/5230 - Stuttering and Other Fluency Disorders
- SPPA 4520/5520 - Hearing Disorders (If not used to fulfill audiology requirement)
- SPPA 4530/5530 - Audiological Rehabilitation (If not used to fulfill audiology requirement)
- SPPA 4610/5610 - Multicultural Issues for Speech-Language Pathologists
- SPPA 4720/5720 - Diagnostic Methods in Speech-Language Pathology
- SPPA 4750/5750 - Introduction to Pediatric Feeding
- SPPA 4956 - Undergraduate Research in Speech Pathology and Audiology
- SPPA 4961 - Special Institute/Workshop/Project
- SPPA 4964 - Practicum in Speech-Language Pathology 2: Campus Clinic
- SPPA 4965 - Practicum in Audiology: Campus Clinic
- SPPA 4995 - Independent Study in Speech-Language Pathology and Audiology
- SPPA 4999 - Senior Thesis

Any SPPA 6000-level course for students admitted to the ADP program.

Total Credit Hours: 38

Typical Program for Speech Pathology and Audiology Majors

Freshman

<table>
<thead>
<tr>
<th>First Term</th>
<th>Hours</th>
<th>Second Term</th>
<th>Hours</th>
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<tbody>
<tr>
<td>SPPA 1001</td>
<td>3</td>
<td>SPPA 1100</td>
<td>3</td>
</tr>
<tr>
<td>Statistics cognate¹</td>
<td>3</td>
<td>Biological Science cognate²</td>
<td>3</td>
</tr>
<tr>
<td>ENGL 1001 or ESSV1 (MCC)</td>
<td>3</td>
<td>ENGL 1001 or ESSV1 (MCC)</td>
<td>3</td>
</tr>
<tr>
<td>PHIL 1001 or THEO 1001 (MCC)</td>
<td>3</td>
<td>PHIL 1001 or THEO 1001 (MCC)</td>
<td>3</td>
</tr>
<tr>
<td>Elective</td>
<td>3</td>
<td>Elective</td>
<td>3</td>
</tr>
</tbody>
</table>

15 15

Sophomore

<table>
<thead>
<tr>
<th>First Term</th>
<th>Hours</th>
<th>Second Term</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>SPPA 2120</td>
<td>3</td>
<td>SPPA 2210</td>
<td>3</td>
</tr>
<tr>
<td>SPPA 2130</td>
<td>3</td>
<td>SPPA 2220</td>
<td>3</td>
</tr>
<tr>
<td>PSYC 1001</td>
<td>3</td>
<td>Physical Science cognate³</td>
<td>3</td>
</tr>
<tr>
<td>CORE 1929 (MCC)</td>
<td>3</td>
<td>DSCV (MCC)⁴,⁵</td>
<td>3</td>
</tr>
<tr>
<td>Elective</td>
<td>5</td>
<td>Elective</td>
<td>5</td>
</tr>
</tbody>
</table>

17 17

Junior

<table>
<thead>
<tr>
<th>First Term</th>
<th>Hours</th>
<th>Second Term</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>SPPA 3140</td>
<td>3</td>
<td>SPPA 3710</td>
<td>3</td>
</tr>
<tr>
<td>SPPA 3510</td>
<td>3</td>
<td>SPPA 3964</td>
<td>1</td>
</tr>
<tr>
<td>PSYC 3101, EDUC 1001, or PSYC 2101</td>
<td>3</td>
<td>SPPA 4520 or 4530</td>
<td>3</td>
</tr>
<tr>
<td>Medical Ethics cognate</td>
<td>1</td>
<td>EDUC 4217 or ELECTIVE</td>
<td>3</td>
</tr>
</tbody>
</table>
Post-Baccalaureate Prerequisite Program for Speech Pathology and Audiology

The Department of Speech Pathology and Audiology offers a post-baccalaureate bridge program for students with completed undergraduate degrees in non-related majors that lack the necessary prerequisite coursework to apply to graduate programs in speech language pathology. This two-semester program (fall/spring semester) is not a degree-granting program. Students who meet the academic and clinical proficiency criteria upon completion of the program are guaranteed admission to the master of science degree program in speech-language pathology.

Admission Requirements

Admission to the SLPB program is on a competitive basis. Due to enrollment limits, not all qualified applicants will be admitted. The minimum requirements to apply to the program are:

1. Completed undergraduate degree from a regionally accredited college/university
2. Minimum GPA of 3.3 in undergraduate studies
3. GRE score in the upper 50% of graduate applicants for year of admission
4. Personal statement and three letters of recommendation
5. Applicants complete no more than two of the courses listed below so that a minimum of 19 credits of post-baccalaureate coursework is completed within the two-semester program.

Students who complete the SLP post-baccalaureate program with a minimum of 3.5 and demonstrate good clinical abilities during the practicum course (SPPA 3964) will be granted admission to the master in speech-language pathology graduate program.

Tuition and Financial Aid

Individuals accepted to the SLP post-baccalaureate program are admitted with undergraduate non-degree status and are charged on a per term flat-fee basis as outlined in the Master Fee Schedule. Individuals accepted to this program pay the same rate regardless of the number of credits taken and
must obtain approval from the Director of Graduate Studies in Speech Pathology and Audiology for any plan of study that deviates from the curriculum requirements outlined below. A plan of study can include no more than one class per semester beyond the required coursework.

Since students in the SLPB program are completing preparatory coursework to enroll in a graduate or professional program, they may be eligible for financial aid. Completion of the Free Application for Federal Student Aid (FAFSA) is required to apply for financial aid.

Laboratories and Practicum in Speech Pathology and Audiology

The Marquette University Speech and Hearing Clinic serves as a working laboratory for students in the speech pathology and audiology program. The clinic has individual therapy rooms for adults and children, three diagnostic suites, a hearing testing suite and rooms designed for specialized speech/language therapy: developmental treatment room, adult language room, augmentative/alternate communication room and sensory integration room. Other speech pathology and audiology laboratories include communication, movement and learning lab, child language and literacy lab, phonology and language analysis lab, speech and swallowing lab, neurolinguistics lab and student computer room.

Students in the Speech Language Pathology Post-Baccalaureate Program may complete up to 50 clock hours working with individuals with speech/language/hearing problems through the Speech and Hearing Clinic. This practicum experience is closely supervised by university personnel who hold the Certificate of Clinical Competence in Speech-Language Pathology or Audiology awarded by the American Speech-Language-Hearing Association. This practicum is offered in the second term of the program.

Prerequisite Program for Speech Language Pathology

Curriculum Requirements

A plan of study is created per advisement of the director of graduate studies.

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>SPPA 1100</td>
<td>Anatomy and Physiology of the Speech Mechanism</td>
<td>3</td>
</tr>
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<td>SPPA 2120</td>
<td>Phonetics and Phonology</td>
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<td>SPPA 2130</td>
<td>Child Language Development</td>
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<td>Introduction to Audiology</td>
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<td>SPPA 3710</td>
<td>Intervention Methods in Speech-Language Pathology</td>
<td>3</td>
</tr>
<tr>
<td>SPPA 3964</td>
<td>Practicum in Speech-Language Pathology 1: Campus Clinic</td>
<td>1</td>
</tr>
</tbody>
</table>

Total Credit Hours: 25

Courses

**SPPA 1001. Introduction to Speech-Language Pathology and Audiology. 3 cr. hrs.**

An introduction to the disorders of speech, language, and hearing with emphasis on types, etiology, and symptoms.

**SPPA 1100. Anatomy and Physiology of the Speech Mechanism. 3 cr. hrs.**

Anatomy and physiology of the speech production mechanism, including bases for phonation, articulation, breathing, and neural control. Prereq: SPPA major; or SPLA major; or cons. of dept. ch.

**SPPA 2120. Phonetics and Phonology. 3 cr. hrs.**


**SPPA 2130. Child Language Development. 3 cr. hrs.**

Overview of general linguistic concepts and their application to the acquisition of language by young children. Stages of language development from infancy to early school age. Contributions of biological, social, linguistic, and cognitive factors to language learning. The role of input from conversation and media sources. Prereq: SPPA major; or SPLA major; or cons. of dept. ch.

**SPPA 2210. Child Language Disorders. 3 cr. hrs.**

Survey of the linguistic and developmental characteristics of children with special needs who have primary or secondary difficulties acquiring their native language. An overview of descriptive assessment of language profiles and language intervention issues. Multicultural issues related to child language differences and disorders also are studied. Prereq: SPPA major and SPPA 1001 and SPPA 2130; or SPLA major and SPPA 2130; or cons. of dept. ch.

**SPPA 2220. Child Speech Sound Disorders. 3 cr. hrs.**

Overview of normal speech sound development and characterization of children with speech sound disorders. Introduction to methods of standardized testing, linguistic assessment and treatment of speech sound disorders. Dialectal variation and its effect on clinical procedures. Prereq: SPPA major and SPPA 1001 and SPPA 2120 and SPPA 1100; or SPLA major and SPPA 2120 and SPPA 1100; or cons. of dept. ch.
SPPA 3140. Speech Science. 3 cr. hrs.
Study of the speech code. Linguistic, physiological, and acoustical components of the code are considered in relation to both speech production and recognition. Instrumentation useful in the clinical and laboratory analysis of speech is considered. Prereq: SPPA major and SPPA 1100; or SPLA major and SPPA 1100; or cons. of dept. ch.

SPPA 3510. Introduction to Audiology. 3 cr. hrs.
Principles and techniques of audiometric testing; study of basic acoustics; review of anatomy and physiology of the hearing mechanism; introduction to pathologic conditions of the hearing mechanism; laboratory work in basic audiometric test procedures. Prereq: SPPA major and SPPA 3140, which can be taken concurrently; or cons. of dept. ch.

SPPA 3510. Intervention Methods in Speech-Language Pathology. 3 cr. hrs.
Introduction of clinical procedures and management techniques for serving clients with a variety of communication disorders in a variety of settings. Topics include: issues, ethics, legislation, evidence based practice, cultural-linguistic diversity, AAC, written and oral documentation/reporting. Prereq: Cons. of dept. ch.; SPPA major, SPPA 2210 and SPPA 2220 which may be taken concurrently and SPPA 3964 must be taken concurrently; or SPLA major and SPPA 2210 and SPPA 2220 which may be taken concurrently and SPPA 3964 must be taken concurrently.

SPPA 3840. Autism for the Professions. 3 cr. hrs.
Students learn about the history, core symptoms and culture of Autism Spectrum Disorder (ASD). Additionally, ASD etiology/risk factors, diagnostic assessment, evidence-based interventions and educational/vocational practices are studied for individuals with across the lifespan. Students are part of an inter-professional team in the classroom and at a community placement site. Prereq: SPPA 2210.

SPPA 3964. Practicum in Speech-Language Pathology 1: Campus Clinic. 1 cr. hr.
S/U grade assessment. Prereq: SPPA major; or SPLA major; or cons. of dept. ch.; SPPA 3710 must be taken concurrently.

SPPA 4160. Neurological Bases of Human Communication Processes and Related Functions. 3 cr. hrs.
Study of the structural, functional and organizational frameworks of the central and peripheral nervous systems as they relate to human communication processes and related functions. Prereq: SPPA major, SPPA 1100 and Jr. stdng; or cons. of dept. ch.

SPPA 4230. Stuttering and Other Fluency Disorders. 3 cr. hrs.
Introduction to the symptomatology, phenomenology, etiology, assessment and management of stuttering and other fluency disorders in children and adults. Prereq: SPPA major and admitted to the Accelerated Degree Program; or cons. of dept. ch.

SPPA 4510. Multicultural Issues for Speech-Language Pathologists. 3 cr. hrs.
Study of culture and communication in linguistically diverse populations [i.e., Non-Standard American English speakers, Native Americans, (with emphasis on Wisconsin Native tribes) Asians, and Latinos]. Includes L1 and L2 acquisition profiles and information pertaining to service delivery with non-native English speakers. The U.S. Latino population is emphasized. Students' knowledge and understanding of racism will be explored. Meets the multicultural requirements for the Wisconsin Department of Public Instruction licensing in speech-language pathology. Offered for undergraduate or graduate credit. Prereq: SPPA major, Jr. stdng.

SPPA 4520. Hearing Disorders. 3 cr. hrs.
Extensive study of hearing disorders and the psychological and social implications of hearing impairment. Habilitation/rehabilitation strategies are discussed. Prereq: SPPA major and SPPA 3510; or SPLA major and SPPA 3510; or cons. of dept. ch.

SPPA 4530. Audiological Rehabilitation. 3 cr. hrs.
An in-depth look at the process of aural rehabilitation and how amplification, assistive listening devices, sensory aids, visual communication training, auditory training and counseling contribute to that process. Prereq: SPPA major and SPPA 3510; or cons. of instr. and cons. of dept. ch.

SPPA 4610. Multicultural Issues for Speech-Language Pathologists. 3 cr. hrs.
Study of culture and communication in linguistically diverse populations [i.e., Non-Standard American English speakers, Native Americans, (with emphasis on Wisconsin Native tribes) Asians, and Latinos]. Includes L1 and L2 acquisition profiles and information pertaining to service delivery with non-native English speakers. The U.S. Latino population is emphasized. Students' knowledge and understanding of racism will be explored. Meets the multicultural requirements for the Wisconsin Department of Public Instruction licensing in speech-language pathology. Offered for undergraduate or graduate credit. Prereq: SPPA major, Jr. stdng.

SPPA 4710. Stuttering and Other Fluency Disorders. 3 cr. hrs.
Provide students with an understanding of the components inherent in the diagnostic process. These include but are not limited to: a) an overview of diagnostic models, b) sources of delays and disorders, c) purposes of assessment, d) interviewing techniques, e) testing and measurement caveats, f) framework for analysis of the data, g) interpretation of results to families or referral sources, and h) report writing. Prereq: SPPA 3710 and SPPA major or cons. of dept. ch.

SPPA 4720. Diagnostic Methods in Speech-Language Pathology. 3 cr. hrs.
Introduction to typical feeding development and clinical procedures for diagnosis of pediatric feeding disorders. Overview of interdisciplinary expectations for general development, anatomy and physiology, nutrition, aerodigestive and neurologic systems from birth through early childhood. Prereq: SPPA 4720 or cons of dept. ch.

SPPA 4720. Undergraduate Research in Speech Pathology and Audiology. 1-3 cr. hrs.
Research experience in experimental design and analysis in a selected area of focus with faculty guidance and supervision. Prereq: Cons. of instr.

SPPA 4761. Special Institute/Workshop/Project. 1-3 cr. hrs.
Project 1-3 sem. hrs.

SPPA 4864. Practicum in Speech-Language Pathology 2: Campus Clinic. 1 cr. hr.
S/U grade assessment. Prereq: Cons. of dept. ch. based on cumulative GPA of at least 3.000 and rating earned in SPPA 3964.

SPPA 4965. Practicum in Audiology: Campus Clinic. 1 cr. hr.
Supervised clinical experience with hearing-impaired individuals both on campus and in off-campus affiliated centers. May be repeated up to a maximum of three credits. S/U grade assessment. Prereq: SPPA major and SPPA 3510 and cons. of instr.; or SPLA major and SPPA 3510 and cons. of instr.; or cons. of instr. and cons. of dept. ch.
SPPA 4995. Independent Study in Speech-Language Pathology and Audiology. 1-3 cr. hrs.
Faculty-supervised, independent study/research of a specific area or topic in Speech-Language Pathology and Audiology. Prereq: Cons. of dept. ch.

SPPA 4999. Senior Thesis. 1-3 cr. hrs.
The application of rigorous methodology in developing and writing a thesis under the direction of an adviser. Prereq: Cons. of dept. ch.