

Master of Arts in Speech-Language Pathology

CMU's Master of Arts in Speech-Language Pathology program is accredited by the Council on Academic Accreditation (CAA) of the American Speech-Language Hearing Association (ASHA) located at 2200 Research Boulevard #310, Rockville, MD, 20850; (800) 498-2071.

The Master of Arts in Speech-Language Pathology offered by CMU's Department of Communication Sciences and Disorders leads to eligibility for clinical certification. The program's focus is to prepare professionals to assess, diagnose, and clinically treat people with a variety of communication disorders.

The Department of Communication Sciences and Disorders offers students opportunities for clinical experience both on and off-campus. The on-campus Carls Center provides clinical services to infants through elderly clients from throughout central and northern Michigan. Speech-language and hearing services include a voice and swallowing clinic, an aphasia clinic, speech-language pathology and audiology clinics, augmentative and alternative communication services, and pre-school programs. Students may also gain clinical experience through the Summer Speech-Language Specialty Clinics, which is a specialized five-week treatment program for children and adolescents with a variety of communication disorders. In addition, there are numerous off-campus sites available for hands-on training including schools, rehabilitation centers, and hospitals.

Several clinical programs offered through the department promote opportunities to conduct research projects and work with a patient population ranging from infants to the elderly. The Augmentative and Alternative Communication Lab provides students with evaluation, research, and clinical experience in augmentative and alternative communication services, particularly literacy and device selection issues. The research facilities within the department include specialized speech, voice, language and acoustic laboratories, computers and software programs.

Speech-Language Pathology Profession

Speech-language pathologists are professionals concerned with evaluation, prevention, treatment, and research in human communication and its disorders. They work closely with teachers, physicians, psychologists, social workers, rehabilitation counselors and other members of an interdisciplinary team, yet they are autonomous and do not work under direct medical supervision. They work in a variety of settings, including schools, hospitals, rehabilitation centers, nursing care facilities, industry, government health facilities, research laboratories and private practice.

Speech-Language pathologists design and carry out comprehensive treatment plans to assist children and adults with a variety of communication disorders such as correct production of speech sounds, voice production, language comprehension, stuttering, fluency, and issues related to stroke and brain trauma. They also help individuals use augmentative and assistive systems of communication. They provide counseling to individuals and their families or care givers, and advise individuals and the community in the prevention of speech and language disorders.

Speech-Language pathologists are involved in research activities that seek to increase knowledge of the normal processes of speech and language production; the etiology, symptomatology, and prognosis of various disorders; and effective methods for evaluation and treatment of disorders. Areas of specialization include disorders of developmental language, neurogenic speech and language, fluency, voice, articulation/phonology, swallowing, and alternative and augmentative communication.

Admissions

Admission Criteria

To be considered for admission into CMU's SLP Program, students must have completed or be in the final stages of completing an undergraduate degree in communication sciences and disorders. Students who received an undergraduate degree in a discipline other than communication sciences and disorders, please see *Post-BA Requirements for Students Pursuing a Master's Degree in Speech-Language Pathology*.

Students must earn a minimum undergraduate cumulative grade point average (CGPA) of 3.0 and a minimum major grade point average (MGPA) of 3.0, with no individual course grade below a 2.0.

For the 2020-21 application cycle, applicants are not required to take the Graduate Record Exam (GRE).

Note that for the Class of 2017-19, the average cumulative GPA was 3.68 and the average major GPA 3.8. This information allows you to assess your chances of admission and helps you with your planning process. It is important to note, however, that applicants are evaluated based on their own credentials and merit.

Technical Standards

All candidates interviewing for admission and students admitted into the SLP Program are expected to demonstrate the attributes and meet the expectations listed in the Technical Standards. These technical standards are required for admission and must be maintained throughout a student's participation in the program.

Post-BA Requirements for Students Pursuing a Master's Degree in Speech-Language Pathology

Students who did not complete their undergraduate degree in communication sciences and disorders must complete at least 31 credit hours in CSD courses in consultation with a faculty advisor. (Equivalent coursework may be taken at other universities and may not necessarily total 31 credit hours.)

Completion of this coursework does *not* guarantee admission into the SLP Master's Program, as this is a competitive admission program. For information, contact the CHP Admissions Office at (989) 774-1730.

Post-BA course sequence

Tier 1 courses: CSD 331 (Audiology), CSD 463 (Sp Science), CSD 335 (Anat/Phys), CSD 330 (Lang Devel) and CSD 278 (Phonetic). If you complete these courses with at least a 3.7 GPA, you may continue taking the next tier of courses. If your GPA is under 3.7, you must apply and compete with the undergraduate applicants who are applying to the major.

Tier 2 courses: CSD 338 (Phonolog), CSD 340 (Lang Disord), CSD 431 (Aud Rehab), CSD 439 (Clin Meth) and CSD 494 (Practicum).

Other courses: CSD 525 (Res Design) and CSD 551 (Autism) are not prerequisites to apply to this graduate program, but they must be taken while matriculated in the program to fulfill KASA requirements. In addition, although CSD 230 and CSD 417 are not required to apply to CMU's SLP Master's program, other grad programs may require one or both of these classes as a prerequisite.

Points of Pride

- Dedicated and experienced faculty and clinical instructors
- High quality curriculum, facilities, clinical sites, and research opportunities
- Carls Center for Clinical Care & Education, a fully-functional, multi-disciplinary on-campus clinic
- Year-round diagnostic and intervention services for children and adults from Central and Northern Michigan
- More than 100 on- and off-campus clinical placement sites in schools, hospitals, medical care facilities, and private practices
- State-of-the-art clinical and educational teaching and learning environments
- Full ASHA Accreditation since 1972
- Nearly 100% employment upon graduation
- Nearly 100% Pass rate for first-time PRAXIS takers

Praxis Examination Results, Employment/Job Placement Rates, and Graduation/Program Completion Rates

- Praxis Examination Results – ETS Data: 3 year average 97%
- Employment/Job Placement Rates: 3 year average 96%
- Graduation/Program Completion Rate (Residence Program): 99%
- For current trends, please visit <https://www.cmich.edu/colleges/CHP/>

Master of Arts in Speech-Language Pathology – Two Year Course Outline

Minimum of 62 credit hours required for graduation.

Required Practicum. Students must complete fifteen (15) credit hours of clinical practicum (SLP 749). Full-time graduate students are expected to enroll in clinical practicum for three (3) credit hours each semester. Participation in the Summer Speech-Language Specialty Clinics is required between Spring of year one and Fall of year two.

All students must choose from one of the following capstone experiences:

- **Plan A:** Students will conduct a research project resulting in a thesis study. Required course: SLP 798 – Thesis (1-6 credits, Spec)
- **Plan B:** Students will complete a clinical internship at an off-campus site, and participate in a presentation to synthesize and integrate their learning during this experience. Required course: SLP 795 - Internship (3-6 credits, Spec)

Year One: Summer II

- **SLP 632 (3) - Counseling Issues in Communication Disorders**
Review of theory and practice of counseling methods and techniques to be used by speech-language pathologists in clinical practice. Prerequisites: Admission to the graduate program in speech-language pathology.
- **SLP 704 (3) - Language Disorders in Preschool Children**
Course includes identification, assessment of, and intervention for communication and language delays in children, with a focus on three to five-year age group. Prerequisites: Admission to the graduate program in speech-language pathology.
- **SLP 713 (3) - Voice/Resonance Disorders/Laryngectomy Rehabilitation**
This course covers etiology, evaluation, and treatment of persons with voice/resonance disorders and laryngectomies. Prerequisites: Admission to the graduate program in speech-language pathology.

Year One: Fall

- **SLP 717 (3) – Aphasia**
Study of assessment and treatment of aphasia and right hemisphere disorders. Specific topics include neuroanatomical bases for language, neurology, clinical research design, ethical service delivery, and patient/family counseling.
- **SLP 739 (3) – Stuttering**
Overt and covert characteristics of stuttering behavior including their prevention, etiology, and modification. Prerequisites: Admission to the graduate program in speech-language pathology.
- **SLP 736 (3) - Speech Sound Disorders in Children**
Advanced study of the diagnosis and treatment of articulation and phonological disorders in children. Prerequisite: Admission to the graduate program in speech-language pathology.
- **SLP 749 (3) - Clinical Practicum**
Experience in clinical practices and applicable documentation with various types of clinical profiles in different settings inclusive of educational and medical speech-language pathology. Up to 15 credits earned in this course will not count in the variable credit total. Prerequisites: Admission to the graduate program in speech-language pathology, completion of 25 hours of clinical observation under the supervision of an ASHA certified speech-language pathologist and a grade point average (GPA) of at least 3.0 in the CSD graduate courses.

Year One: Spring

- **SLP 708 (3) - Language Disorders in School-Age Children**
Study of normal and disordered language and cognitive processes as they relate to school age children. Prerequisites: Admission to the graduate program in speech-language pathology; CSD 704
- **SLP 735 (3) - Augmentative and Alternative Communication**
Assessment and treatment of communications disorders resulting from multiple deficits originating from neurological, neuromuscular, sensory, and cognitive disorders. Verbal and nonverbal management approaches are considered. Prerequisites: Admission to the graduate program in SLP.
- **SLP 638 (3) - Seminar: Adult and Pediatric Swallowing and Feeding**
Study of direct and indirect evaluation and treatment of swallowing disorders in patients with neuromuscular disorders, oral and pharyngeal cancer, and pediatric feeding disorders. Prerequisites: admission to the graduate program in speech-language pathology.
- **SLP 749 (3) - Clinical Practicum**
Experience in clinical practices and applicable documentation with various types of clinical profiles in different settings inclusive of educational and medical speech-language pathology. Up to 15 credits earned in this course will not count in the variable credit total. Prerequisites: Admission to the graduate program in speech-language pathology, completion of 25 hours of clinical observation under the supervision of an ASHA certified speech-language pathologist, and a grade point average (GPA) of at least 3.0 in the CSD graduate courses.

Year One: Summer I

- **Elective (2-3)**
- **SLP 749 (3) - Clinical Practicum**
Experience in clinical practices and applicable documentation with various types of clinical profiles in different settings inclusive of educational and medical speech-language pathology. Up to 15 credits earned in this course will not count in the variable credit total. Prerequisites: Admission to the graduate program in speech-language pathology, completion of 25 hours of clinical observation under the supervision of an ASHA certified speech-language pathologist, and a grade point average (GPA) of at least 3.0 in the CSD graduate courses.

Year Two: Summer II

- **SLP 749 (3) - Clinical Practicum (Full or Part-Time Summer Specialty Clinics)**
Experience in clinical practices and applicable documentation with various types of clinical profiles in different settings inclusive of educational and medical speech-language pathology. Up to 15 credits earned in this course will not count in the variable credit total. Prerequisites: Admission to the graduate program in speech-language pathology, completion of 25 hours of clinical observation under the supervision of an ASHA certified speech-language pathologist and a grade point average (GPA) of at least 3.0 in the CSD graduate courses.

Year Two: Fall

- **SLP 714 (3) - Motor Speech Disorders**
Advanced study in the diagnosis and treatment of motor speech disorders in children and adults. Prerequisite: Admission to the graduate program in speech-language pathology.
- **SLP 722 (3) - Cognitive Communication Disorders of Dementia and TBI**
Assessment and treatment of cognitive-communicative disorders of dementia and traumatic brain injury as within the scope of practice for speech-language pathologists.
- **SLP 734 (3) - Applied Speech Science**
Operation and application of basic laboratory equipment used in acoustical research, and the reading and discussion of significant publications on phonetics.
- **SLP 749 (3) - Clinical Practicum**
Experience in clinical practices and applicable documentation with various types of clinical profiles in different settings inclusive of educational and medical speech-language pathology. Up to 15 credits earned in this course will not count in the variable credit total. Prerequisites: Admission to the graduate program in speech-language pathology, completion of 25 hours of clinical observation under the supervision of an ASHA certified speech-language pathologist and a grade point average (GPA) of at least 3.0 in the CSD graduate courses.

Year Two: Spring (Capstone, choose one)

- **SLP 798 (6) – Thesis**
Complete a thesis directed by a committee in conformity with university's thesis guidelines. CR/NC only.
- **SLP 795 (3-6) – Internship**
Full-time clinical experience with an approved clinical instructor in hospital, private practice, school or other appropriate setting. CR/NC only

Electives (2 hours)

Select from the following courses in consultation with academic advisor and approval of student's academic advising committee to bring total program credits to a minimum of sixty-two (62).

- AUD 740 (3) - Neuroanatomy
- CSD 537 (1-9, Spec) - Special Topics in Communication Disorders
- CSD 551 (3) - Autism Spectrum Disorders: A Clinical Focus
- CSD 790 (1-9, Spec) - Advanced Independent Study
- SLP 637 (3, Spec) - Special Topics in Communication Disorders
- SLP 639 (2) - Hypopharyngeal Visualization
- SLP 640 (3) - Cadaveric Anatomy for Communication
- SLP 702 (2) - Infant-Toddler Communication: Assessment and Intervention
- SLP 711 (2) - Craniofacial Disorders

Descriptions of CSD Major or Post-BA required courses

CSD 278 - Descriptive Phonetics 3(3-0) Broad and narrow transcription of normal and disordered American English speech sound production using the International Phonetic Alphabet.

CSD 330 - Language Development 3(3-0) Study of language development in normally developing children from birth through adulthood; oral language sample analysis; language characteristics in disordered language learners.

CSD 331 - Introduction to Audiology 3(3-0) Anatomy and basic psychophysics of hearing; pathologies causing hearing loss; quantitative measurements of hearing; practice in testing.

CSD 335 - The Anatomy and Physiology of Speech and Hearing 3(3-0) Anatomical and neuroanatomical structures and functions for speech and hearing.

CSD 338 - Introduction to Articulation and Phonological Disorders 3(3-0) Children's normal and disordered articulation and phonological disorders including neuroanatomical development, analysis, treatment, related research, and integration with other areas of communication will be discussed.

CSD 340 - Child Language Assessment and Intervention 3(3-0) Formal and informal assessment of language, cognition, and communication functioning in infant through school-aged children not developing normal language parameters: intervention approaches for deficits in language.

CSD 417 – Introduction to Adult Communication Disorders 3(3-0) Overviews neuroanatomical bases of acquired adult communication disorders and reviews nature and impact of such disorders including aphasia, dementia, apraxia, dysarthria, and traumatic brain injury.

CSD 431 - Audiologic Rehabilitation 3(3-0) Habilitative and rehabilitative approaches for limited-hearing children and adults including lip-reading, auditory training, speech and language development. Clinical observation and practicum.

CSD 439 - Clinical Methods in Speech-Language Pathology 3(3-0) Classroom lecture and lab integrating clinical evaluation and intervention techniques for treatment of specific communication disorders.

CSD 463 – Introduction to Acoustic Phonetics 3(3-0) Physical bases of sound and the acoustic characteristics of speech production and perception.

CSD 494 - Mentor Practicum in Communication Disorders 4(4-0) Supervised clinical assignment with an experienced student mentor encompassing up to 4 hours per week. Weekly lectures regarding clinical procedures, issues, and cases are required. CR/NC only.

CSD 495 - Clinical Experience: Communication Disorders 3-6(spec) Enables students in communication disorders to carry out directed clinical practicum. Weekly discussion of clinical problems and cases.

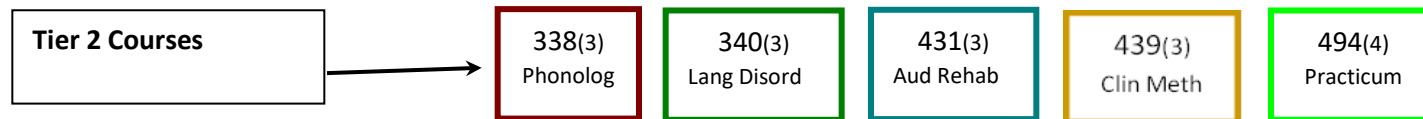
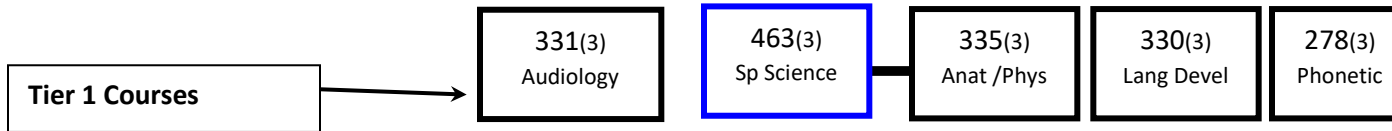
CSD 525 – Research Design in Communication Disorders 3(3-0) Study of critical evaluation of scientific literature. Research in evidence-based practice related to clinical decision-making. Exploration of quantitative, qualitative and mixed-methods in research design procedures.

CSD 551 - Autism Spectrum Disorders: A Clinical Focus 3(3-0) This course examines clinical procedures and evidence-based practice for assessment of intervention in communication skills of clients with autism spectrum disorders.

Post BA Advising for CSD – SLP Track

Course Sequence and Prerequisite Flowchart

Semester 1: All students must apply to the post BA SLP track after completing these courses. If these courses are completed with a 3.7+ GPA, you are automatically allowed to continue taking the next tier of courses. If GPA is under 3.7, you must compete with undergraduate applicants applying to the major.



Semester 2: Progression of courses to complete after admission to be able to continue the course sequence for grad school.



Courses 551 and 525 are not necessary as prerequisites to apply to grad school, but must be taken while matriculated as a graduate student to fulfill KASA requirements.

CDO 230 and CDO 417 are not required as a prerequisite for CMU's grad program; however, other grad programs may require one or both of these classes as a prerequisite.

Tuition and Financial Aid

For current graduate tuition rates, please refer to the current Graduate bulletin. Beginning with the class admitted in Fall of 2016, the professional curriculum totals 62 credits hours for the two-year program.

Designated Speech-Language Pathology (SLP) courses within the Department of Communication Sciences and Disorders carry an additional \$30 per credit hour fee.

Tuition Awards for Graduate Students

Central Michigan University offers three valuable in-state (Michigan resident) tuition awards for qualified graduate students. For more information and to request an award, please contact the Office of Research and Graduate Studies / College of Graduate Studies *prior* to registering for graduate coursework at <https://www.cmich.edu/colleges/cgs> or call (989)774-4723.

Neighboring Regions Tuition Award

Neighboring regions include **Illinois, Indiana, Ohio, Wisconsin, and Ontario (Canada)**. Students within the United States must have a cumulative GPA of 3.3 on a 4.0 scale. Students from Canada must have a cumulative GPA of 3.0. Contact Graduate Studies for details.

Out-of-State Tuition Merit Award

Available to students from any state or country who meet **all three** of the following:

1. Cumulative undergraduate grade point average of at least 3.0 on the U.S. 4.0 scale
2. GRE Verbal score of at least 157 and GRE Quantitative score of at least 152 (former version equivalents are 560 and 660, respectively) OR GMAT (Graduate Management Admission Test) score of at least 600 or MAT (Miller Analogies Test) score of at least 418
3. For non-native speakers of English, a TOEFL score of at least 100 (ibt) or 600 (pbt). Please contact Graduate Studies for a list of English proficiency exempted countries.

Legacy Tuition Award

Students whose parents or grandparents received a degree from CMU qualify for in-state tuition rates. To obtain the special tuition rate, prospective students must provide the appropriate information requested on the application.

Grants for scholarly activity

Grants that support scholarly activity are available through The Office of Research and Graduate Studies. Please contact the Office of Research and Graduate Studies Office for current information.

Financial Aid and Scholarships

For more information about financial aid and scholarships, please visit <https://www.cmich.edu/ess/OSFA>.

CSD Department Scholarships

Margaret E. Sanford Marquardt Memorial Endowed Scholarship (for graduate or junior-year or above undergraduate students). This scholarship was established in 2007 in memory of Margret E. Sanford Marquardt. Preference will be given to a graduate student who has a record of academic excellence as demonstrated by a GPA of 3.5 or above. Undergraduate students who have attained a junior status and have a GPA of 3.25 or above may also be considered. Physically challenged students should be given preference for both the graduate and undergraduate levels. They must be registered with the Student Disability Services Office. Applications are available through the CDO Department, 2159 Health Professions Building.

Evelyn Hill Pender Memorial Endowed Scholarship (for SLP graduate students). This scholarship was established in 2002 by Mr. Paul Pender in memory of his wife, Evelyn Hill Pender, a CMU alumna, who was a speech-language-pathologist for 32 years in Michigan. This scholarship was established in Evelyn's memory to benefit speech-language pathologists who remain committed to helping others improve their speech and language. This renewable scholarship, based on full-time enrollment and financial need, is given to a graduate student in speech-language pathology who has earned a minimum overall and major grade point average of 3.5, and who shows promise as a clinician. Applications are available through the CDO Department, 2159 Health Professions Building.

Keith L. Maxwell Scholarship (for SLP graduate students). This scholarship for graduate students was established in 1984 by an estate gift of Ellen Mercer Clark Maxwell in memory of her husband, Dr. Keith L. Maxwell, who was a speech-language pathology professor in the Department of Communication Disorders. To be eligible for this scholarship a student must be full time status, with a minimum GPA of 3.00. Applications are available through the CDO Department, 2159 Health Professions Building.

CDO-SLP Alumni Scholarship (for second-year SLP graduate students). This annual scholarship is available to a second year speech-language pathology graduate student. It was established as a result of contributions received from CMU alumni responding to Central Michigan University phone-a-thons. Applications are available through the CDO Department, 2159 Health Professions Building. For more information about financial aid, contact the Office of Scholarships and Financial Aid at 1-888-392-0007 or visit online.

Estimated Program Costs for Tuition/Fees and Books/Supplies

Program Cost Estimate – In-State

Tuition/Fees	*\$35,650
Books/Supplies	<u>8,000</u>
	\$43,650

Program Cost Estimate – Out-of-State

Tuition/Fees **	\$52,700
Books/Supplies	<u>8,000</u>
	\$60,700

*Tuition costs are figured at 2017/2018 in-state rate (\$575 per credit hour). Tuition/Fees does not include the \$30/credit for designated SLP courses.

**Tuition costs are figured at 2017/2018 out-of-state rate (\$850 per credit hour). Tuition/Fees does not include the \$30/credit for designated SLP courses.

Cost estimate is based on 62 credit hours.

All costs are subject to change by the CMU Board of Trustees.

SLP Faculty and Clinical Instructors

Rebecca Affoo, Ph.D., CCC-SLP, Assistant Professor. M.Cl.Sc. and Ph.D., Western University. Oral health; salivary flow and composition; and oral, pharyngeal, and esophageal swallowing in older adults with and without dementia.

Kathryn Atkinson, M.A., CCC-SLP, BC-ANCDs, Clinical Instructor. M.A., Central Michigan University. Cognitive/communicative language disorders, adult aphasia, adult neurogenic group treatment, mild traumatic brain injury in adults.

Laurie Bahlke, M.A., CCC-SLP, BCS-S, Clinical Instructor. M.A., Central Michigan University. Adult neurogenic disorders; pediatric speech and language disorders and traumatic brain injury; swallowing disorders infants through pediatric and adult; interprofessional education and practice.

Henrietta Boudros, Ph.D., CCC-SLP, Assistant Professor. M.A., Northwestern University; Ph.D., University of Illinois at Urbana-Champaign. Bilingualism, cognition, second language acquisition, adult cognitive communicative disorders, bilingual aphasia.

Natalie Douglas, Ph.D., CCC-SLP, Associate Professor. M.A., Ohio University; Ph.D., University of South Florida. Adult cognitive-communicative disorders, dementia, aphasia, implementation science, caregiver training.

Theresa Jones, M.S., CCC-SLP, Director of Clinical Instruction and Speech-Language Pathology Services. M.S., Howard University. Infant-toddler specialization, early intervention, sensory integration, pediatric traumatic brain injury, voice, multidisciplinary and transdisciplinary therapy.

Mark E. Lehman, Ph.D., CCC-SLP, Professor and Department Chairperson. M.A. and Ph.D., University of Michigan. Speech science; dysarthria; speech perception; voice; speech physiology; speech naturalness; speech acoustics; statistics and research design.

Amanda Luna-Bailey, M.A., SLP-CCC, Clinical Instructor. M.A. Western Michigan University. Augmentative and Alternative Communication (AAC), Speech-language services for the deaf and hard of hearing.

Stephanie Richards, Ph.D., CCC-SLP, Assistant Professor. M.A., Central Michigan University; Ph.D., Bowling Green State University. Adolescent and adult language and literacy.

MaryBeth Smith, M.A., CCC-SLP, Clinical Instructor and Summer Specialty Clinics Director. M.A., Michigan State University. Phonology, autism.

Katie Squires, Associate Professor, CCC-SLP, BCS-CL. M.S., Nova Southeastern University; Ph.D., Utah State University. Assessment and intervention for child language and literacy impairments and curriculum development.

Katie Strong, Ph.D., CCC-SLP, Assistant Professor. M.A., Kansas State University; Ph.D., Western Michigan University. Aphasia, Personal Narratives and Identity, Adult Cognitive-Communicative Disorders, Clinical Education and Supervisor Training, Reflective Supervision.

Janet Sturm, Ph.D., CCC-SLP, Professor. M.A., Western Michigan University; Ph.D., University of Nebraska-Lincoln. Students with significant disabilities, writing instruction, classroom communication, writing software, augmentative and alternative communication, implementation science.

Suzanne Woods, Ph.D., CCC-SLP, BRS-FD, Associate Professor and Speech-Language Pathology Division Director. M.A., Central Michigan University; Ph.D., Michigan State University. Speech naturalness; stuttering; fluency; school speech-language pathology services.