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## FACULTY

### DIVISION HEAD

Fontaine C. Piper, PhD

### GRADUATE FACULTY

John A. Applegate, PhD, Director

Paula S. Cochran, PhD

Carlton O. DeFosse, PhD

Janet L. Gooch, PhD

Christopher Lantz, PhD

Amy P. Wilson, PhD

## DEGREES OFFERED

### MASTER OF ARTS IN COMMUNICATION DISORDERS

The graduate program in Communication Disorders is accredited by the Council on Academic Accreditation of the American Speech-Language-Hearing Association (ASHA), and has been offering the Master of Arts degree since 1967. ASHA explicitly recommends that the best preparation for graduate work in communication disorders is a strong undergraduate background in liberal arts and science. Building on such a background, the graduate program provides the specialized coursework and practicum experiences that prepare and qualify successful candidates for careers in speech-language pathology.

The chief components of the program are: 1) advanced coursework in the assessment and treatment of disorders of speech, language, and hearing; 2) advanced clinical practicum experiences with a diverse clinical population including children and adults in the Truman State University Speech and Hearing Clinic; 3) pursuit of topics of special interest through either a thesis or non-thesis (coursework and comprehensive exam) option; and 4) full-time, off campus internships in two diverse clinical settings. The Truman graduate program in Communication Disorders is characterized by high academic and professional standards, close collaboration between students and faculty, and strong, broad-based professional preparation.

Students who wish to pursue graduate study in communication disorders should contact the Program Director in Communication Disorders (660-785-4669) for information. Students who have undergraduate majors in related fields of study such as English, linguistics, psychology, biology, or others are encouraged to obtain information early, so that an appropriate individualized program of study can be planned.

### OBJECTIVES OF THE PROGRAM

The Master of Arts in Communication Disorders program prepares students to become speech-language pathologists who are proficient in providing assessment, consultation, intervention, and rehabilitation services for children and adults who have communication disorders. The program objectives are:

1. To assure that each successful candidate will have completed coursework and practical requirements needed to obtain all of the following professional credentials:
  - a) Missouri State Teaching Certification as a speech and language specialist
  - b) License in speech pathology, Missouri State Board of Registration for the Healing Arts.
  - c) Certificate of Clinical Competence in speech-language pathology (CCC-SLP) from the American Speech-Language-Hearing Association
2. To prepare graduates who will address the ongoing state and national need for more qualified personnel in a variety of work settings including urban and rural public schools, medical centers and other health care and rehabilitation agencies, specialized schools and clinics, and private practice.
3. To prepare graduates who are exceptionally well-prepared to assume full-time professional responsibilities, having completed at least 350 clock-hours of direct client care under the rigorous supervision guidelines of

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the American Speech-Language-Hearing Association. The Truman graduate program culminates in full-time clinical internships in both public school and medical/rehabilitation settings.

4. To explicitly encourage and value the concept of the clinician-researcher by providing opportunities for students to form mentor relationships with faculty, collaborate closely with peers and faculty on special projects, and explore topics of individual interest through selection of the thesis option.
5. In addition to excellent overall academic and clinical preparation, to provide special opportunities to explore a) the use of new technologies in communication disorders, and b) the role of the speech-language pathologist in rural health and education services.

**SPECIAL FACILITIES AND SERVICES**

The Communication Disorders program staffs and maintains the Truman State University Speech and Hearing Clinic. The clinic has individual and group therapy rooms, observation facilities, and modern closed-circuit TV and videotaping capabilities to facilitate supervision and observation by student clinicians and client family members. An audiological testing suite is available for complete hearing evaluations. The Kenneth M. McGuire Clinical Media Center houses the Clinic's extensive collection of diagnostic and therapy materials and is used by student clinicians as they prepare for therapy and complete other case management tasks. Student clinicians make use of the Clinical Computing Lab to explore and prepare clinical applications of computers for direct use with clients. Additional multimedia technologies readily available for use include interactive videodisc, CD-ROM, as well as both sound and video digitizing.

The Clinic is open throughout the academic year and summer semesters, serving a local and regional population of all ages. Members of the university community including students, faculty, staff and their families are also served by the Clinic. All Clinic services are provided under the supervision of faculty who are licensed by the Missouri State Board of Registration for the Healing Arts and certified by the American Speech-Language-Hearing Association.

**ADMISSION REQUIREMENTS**

1. The student must be recommended for admission to graduate study by the program's Admissions Committee and Division Head (see requirements for admission in this catalog).
2. The student must be admitted by the Dean of Graduate Studies.
 

**Program Criteria are:**

  - a) a minimum overall grade point average of 3.00.
  - b) strong performance on the Verbal, Quantitative, and Analytical components of the GRE.
  - c) excellent oral and written language ability.
  - d) strong personal commitment to advanced study and service in communication disorders.
3. No student will be permitted to transfer graduate level coursework toward a degree in Communication Disorders in which a grade lower than a "B" was achieved.

**Note:** Applicants should submit to the Graduate Office three letters of recommendation, GRE scores, a personal statement, and all transcripts.

**GRADUATION REQUIREMENTS**

Before graduation, the student desiring an MA in Communication Disorders must complete the following:

1. The 39 credit hour Communication Disorders curriculum.
2. The academic and clinic experience requirements for the American Speech-Language-Hearing Association (ASHA) Certificate of Clinical Competence (CCC-SLP), Missouri Licensure, and Missouri state teacher certification. Application for school certification must be completed.
3. The Department-generated thesis examination (Option I) **OR** comprehensive examination (Option II).
4. The nationally normed National Examination in Speech Pathology and Audiology (NESPA), of the PRAXIS series.
5. The specified requirements of the Office of Graduate Studies pertaining to grade point average, transfer credit, residence, course number, time limitations, repeat courses, and examinations.

**COMMUNICATION DISORDERS MAJOR**

**MASTER OF ARTS**

Courses are listed by component category. An asterisk following the course number indicates that it is a major requirement.

Semester  
Hours

**Behavioral Science Component**

CMDS 561G*	Advanced Speech Pathology	.....	3
CMDS 562G	High Risk Infants	.....	3
CMDS 563G	Special Topics-Dysphagia	.....	2
CMDS 564G	Voice Disorders	.....	3
CMDS 566G*	Diagnosis of Communication Disorders	.....	3
CMDS 568G	Phonological Disorders	.....	3
CMDS 578G	Clinical Applications of Computers in Communication Disorders	.....	3
CMDS 660G	Stuttering	.....	3
CMDS 661G*	Language Disorders—Children	.....	3
CMDS 662G*	Language Disorders—Adults	.....	3
CMDS 663G	Oro-Facial Anomalies	.....	3
CMDS 669G	Neurogenic Motor Speech Disorders	.....	3
CMDS 671G*	Advanced Clinical Audiology	.....	3
CMDS 672G	Seminar: Hearing Disorders	.....	3
CMDS 679G	Seminar: Advanced Topics in Language Development and Language Disorders	.....	3
CMDS 680G	Seminar: Speech Disorders	.....	3

**Practicum Component**

CMDS 681G*	Advanced Clinical Practice	.....	3
CMDS 682G*	Internship—Hospital/Clinic	.....	4
CMDS 683G*	Internship—Public School	.....	4

Students majoring in Communication Disorders must demonstrate clinically appropriate speech/language/hearing skills prior to enrollment in clinical practicum.

**Education Component**

The education component is designed to meet Missouri State Teaching Certification Requirements. This requirement must be met by all Communication Disorders Master's graduates from Truman. Normally, this requirement is met by completing 1) ED 603G Learning Strategies for Print Discourse, or ED 621G, Psychology of Reading and 2) ED 605G Psychology of the Exceptional Child. However, students who can demonstrate mastery of this material through coursework completed at another University may, with the consent of their advisor, substitute these credits with electives.

**OPTION I: THESIS**

**Research Component**

CMDS 667G\*Research Methodology . . . . .3
CMDS 689G\*Research in Communication Disorders (Thesis) . . . . .6
(See course description. A prerequisite 3.5 graduate GPA and CMDS faculty approval required.)

**OPTION II: NON-THESIS**

**Research Component**

CMDS 667G\*Research Methodology . . . . .3
CMDS 688G Independent Studies OR Electives in major . . . . .6

The required Communication Disorders courses total 35 hours. The education component is normally used to meet the minimum 39-hour requirement for the MA in Communication Disorders.

**Clinical Hours Requirement**

Students are required to complete a minimum of 350 clinical contact hours of which 250 must be completed at the graduate level. The curriculum is designed to qualify master's degree candidates for state teacher certification, Missouri Licensure, and the Certificate of Clinical Competence awarded by the American Speech-Language-Hearing Association.

**Undergraduate Requirements for Non-Majors**

Students who wish to earn a master's degree in Communication Disorders and have earned a bachelor's degree in some other major or from another institution must meet the requirements or equivalents of one course of not less than 2 semester hours from each of the following areas: Phonetics, Audiology, Aural Rehabilitation, Introduction to Communication Disorders, Language Development, Clinical Practice, Education or Psychology of the Exceptional Child, Anatomy and Physiology of the Speech Mechanism, and Child Psychology or Child Development. The following Truman courses are recommended to satisfy these requirements:

CMDS 200 Introduction to Communication Disorders . . . . .3
CMDS 261 Phonetics . . . . .3
PSYC 332 Child Development OR
ED 230 Early Childhood Growth & Development 3
CMDS 380 Principles of Clinical Management . . . . .3
CMDS 460 Language Development . . . . .3
CMDS 470 The Speech Mechanism . . . . .3
CMDS 472 Audiology . . . . .3
CMDS 473 Aural Rehabilitation . . . . .3
CMDS 474 Speech and Hearing Science . . . . .3
CMDS 477 Articulation and Phonology . . . . .3

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**Observation Hours Requirement**

A student clinician must observe a minimum total of 25 clock hours of assessment and management. This observation must precede clinical assignment with specific types of communication disorders. The observation experience must be under the direct supervision of a clinical supervisor who holds the ASHA CCC.

Missouri certification requirements include one course of not less than 2 semester hours each in Public Speaking, Linguistics, Teaching of Reading, Counseling Techniques, Foundations of Education, and School Organization and

Management. The following courses are recommended to satisfy these requirements:

COMM 170 Public Speaking OR
COMM 385 Public Address . . . . .3
PSYC 332 Child Development OR
ED 230 Early Childhood Growth & Development 3
ENG 238 Introduction to Linguistics . . . . .3
ED 389 Foundations of Education . . . . .2
CMDS 490 Organization and Administration of Speech Pathology Services . . . . .4
ED 593G Psychological Foundations of Education . . 3
SED 535G Counseling Students with Disabilities and Their Families OR
ED 645G Theories and Techniques of Counseling . . 3

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Additional undergraduate courses may be needed to meet certification requirements, depending upon specific courses taken for an undergraduate degree from another institution.

**GRE SCORES**

Graduate Record Exam percentile rankings corresponding to mean scaled scores for incoming Communication Disorders students, fiscal year 2003:

- Analytical: 61.17%
Quantitative: 42.50%
Verbal: 65.67%

Average GPA of incoming Communication Disorders students, fiscal year 2003: 3.36.

**COURSE DESCRIPTIONS**

**CMDS 560G – Professional Writing Seminar 1-3 hours**

This seminar will provide the student in Communication Disorders with intensive instruction in clinical writing in preparation for the clinical experience as well as future employment. The following areas of writing will be addressed: format of scientific writing, diagnostic reports, treatment plans, SOAP notes, professional correspondence, Individual Education Plans (IEP), and ethical issues in report writing. Prerequisite: CMDS 380 or consent of instructor.

**CMDS 561G – Advanced Speech Pathology 3 hours**

Will emphasize the study of normal and deviant development of the areas of orofacial, fluency, voice, and articulation. Emphasis will also be placed on etiology, symptomatology, and remediation procedures within each area.

**CMDS 562G – High Risk Infants 3 hours**

Familiarizes students with the concept of high risk as it applies to infants. Factors which contribute to the high risk label being applied to an infant will be discussed. The developmental outcome of high risk infants during the preschool and school age years will be presented. Assessment and intervention strategies, as well as available materials, will be outlined. Parental and family concerns will also be discussed relative to the special adjustments and needs of the high risk infant.

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**CMDS 563G – Special Topics-Dysphagia**

**2 hours**

Diagnosis and clinical management of dysphagia in adults and children. Normal swallow and swallows of neurological origins will be studied using a variety of techniques. Multidisciplinary approach related to diets, inservice programs and counseling of patients and families. Prerequisites: CMDS 561G or consent of instructor.

**CMDS 564G – Voice Disorders**

**3 hours**

Theories of voice production, emphasizing voice defects, related pathologies, and therapeutic procedures.

**CMDS 566G – Diagnosis of Communication Disorders**  
**3 hours**

Etiologies of communication disorders, emphasizing diagnostic procedures, interviews, history techniques, parental counseling, report writing, and referral. Prerequisite: Consent of instructor and be eligible for CMDS 480, Clinical Practice.

**CMDS 568G – Phonological Disorders**

**3 hours**

An overview of phonological theory, evaluation, and treatment methods for disorders of phonology enabling the student to effectively design a therapeutic program.

**CMDS 578G – Clinical Applications of Computers in Communication Disorders**

**3 hours**

This course presents an overview of the computer applications that are available to clinicians for diagnosis and remediation of persons who have communication disorders. Emphasis will be placed on applications which are used directly with clients in speech and language intervention. Prerequisite: permission of instructor, prior experience with special populations such as CMDS 480, Clinical Practice or CMDS 681G, Advanced Clinical Practice, or SED 640G, Practicum.

**CMDS 660G – Stuttering**

**3 hours**

Current theories and treatment of stuttering. Emphasizes behavioral aspects and the communicative implications of the disorder.

**CMDS 661G – Language Disorders—Children**

**3 hours**

Characteristics of children with specific language disabilities, and consideration of language delay versus language disorder; theoretical and practical approaches to evaluation and intervention with children who have language delays and disorders. Emphasis on sociolinguistic view of language development and instruction, and multi-cultural awareness.

**CMDS 662G – Language Disorders—Adults**

**3 hours**

Neurological disorders related to speech and language disorders; neurological background, historical and modern contributions, symptomatology, etiology, evaluation, and rehabilitation.

**CMDS 663G – Oro-facial Anomalies**

**3 hours**

Types and degrees of palatal and facial deformities, emphasizing speech habilitation for persons with cleft palates.

**CMDS 667G – Research Methodology**

**3 hours**

Methods, rationale, and statistical knowledge necessary to complete research. Background necessary to read and interpret research in Communication Disorders and Special Education journals and related publications.

**CMDS 669G – Neurogenic Motor Speech Disorders**

**3 hours**

Presenting symptoms, diagnoses, and clinical approaches for the management of the dysarthrias. Emphases given to traditional and innovative approaches of clinical management. Prerequisite: CMDS 470 or consent of instructor.

**CMDS 671G – Advanced Clinical Audiology**

**3 hours**

Advanced audiological theory, techniques, and clinical procedures as related to differential diagnosis.

**CMDS 672G – Seminar: Hearing Disorders**

**3 hours**

Analysis, synthesis, and evaluation of contemporary trends and research in audiology.

**CMDS 679G – Seminar: Advanced Topics in Language Development and Language Disorders**

**3 hours**

Advanced literature dealing with development of language content, form, and use. Disorders of language in terms of their impact on learning disability and school performance. Prerequisite: consent of instructor.

**CMDS 680G – Seminar: Speech Disorders**

**3 hours**

Directed reading, research, or evaluation of current publications of individual interest.

**CMDS 681G – Advanced Clinical Practice**

**1-3 hours**

Clinical practice in application of advanced techniques for speech and hearing disorders. Prerequisites: must be accepted by the Communication Disorders Graduate Admissions Committee, and consent of instructor. Students majoring in Communication Disorders must demonstrate clinically appropriate speech/language/hearing skills prior to enrollment in clinical practicum.

**CMDS 682G – Internship in Hospital/Clinic**

**4 hours**

The internship provides intensive, clinical, and administrative experience with a variety of clinical disorders under the direct supervision of a master clinician. Pre-requisite: Students must have a 3.00 G.P.A. in the major prior to enrollment, and approval of the Communication Disorders faculty prior to enrollment.

**CMDS 683G – Internship in Public School**

**4 hours**

The internship provides intensive, clinical, and administrative experience with a variety of clinical disorders under the direct supervision of a master clinician. Prerequisite: Students must have a 3.00 G.P.A. in the major prior to enrollment, and approval of the Communication Disorders faculty prior to enrollment.

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**CMDS 688G – Independent Studies**

**1-6 hours**

Investigation of special problems in speech pathology, audiology, reading, special population, and related areas under faculty supervision. Prerequisite: Advance arrangement with instructor.

**CMDS 689G – Research in Communication Disorders (Thesis)**

**1-6 hours**

Advanced student writes a thesis on a subject of his/her choice as approved by the advisor under the direction of the departmental faculty. Prerequisite: A 3.5 graduate GPA and CMDS faculty approval.

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