

# College of Rehabilitation and Communication Sciences

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Welcome to the College of Rehabilitation and Communication Sciences

The College of Rehabilitation and Communication Sciences (CRCS) is home to 5 professions organized in 2 departments: The Department of Communication Sciences and Disorders (CSD) and the Department of Physical and Occupational Therapy (DPOT). The structure reflects the organization found in many education and medical facilities, acknowledging the strong relationships found among the disciplines. The PhD in Rehabilitation and Communication Sciences spans both departments.

## Mission Statement

The shared mission of the College of Rehabilitation and Communication Sciences (CRCS) is to advance the overall missions of Idaho State University and the Kasiska Division of Health Sciences by educating current and future rehabilitation and communication science professionals. The CRCS fosters interprofessional academic and clinical experiences for the faculty and students to promote excellence in providing collaborative evidence-based practice, and ethical patient/client-centered care. We serve the state of Idaho and the world by providing innovative, accessible learning experiences via on-site, distance and online courses, graduating knowledgeable, accomplished professionals, and influencing future professional practice through our vital contributions to research and creative scholarly activities.

## Programs

Doctor of Audiology, CSD

Doctor of Physical Therapy, DPOT

Master of Occupational Therapy, DPOT

Master of Science: Speech Language Pathology, CSD

Doctor of Philosophy in Rehabilitation and Communication Sciences

## Doctor of Philosophy in Rehabilitation and Communication Sciences

The Doctor of Philosophy (Ph.D.) in Rehabilitation and Communication Sciences program provides students with education and research training to develop their area of expertise to become independent scholars, educators, administrators, or leaders within their disciplines. Students will be expected to complete academic core, research core, specialized program, dissertation and other program requirements for degree completion. The program is offered through either traditional (on-campus) or non-traditional (online) models with full-time or part-time options, however certain limitations may apply.

## Goals

College of Rehabilitation and Communication Sciences (CRCS) Ph.D. program graduates will have:

- successfully completed the 1) core curriculum in the program, 2) comprehensive examinations, and 3) submitted a grant proposal for funding consideration
- participated in cross-disciplinary and interprofessional education and pedagogy, which may include clinical, research, or teaching experiences outside of their professions
- demonstrated proficiency in face-to-face and online teaching (e.g., lecture, discussion, laboratory, lesson planning, testing, and grading) and use of innovative strategies for access (e.g., video interaction, online teaching, independent study)
- demonstrated the ability to plan, initiate, conduct, analyze, and disseminate quality research within their discipline

## Admission requirements

Applicants seeking admission consideration for the Doctor of Philosophy in Rehabilitation and Communication Sciences program at ISU must apply to, and meet all criteria for, admission to the ISU Graduate School by February 15 of the calendar year in which the applicant wishes to start the Fall cohort. In addition, the following criteria must be met:

- Cumulative grade point average (GPA) of 3.5 or greater over the last 60+/- semester credits (90± quarter credits)
- Obtain a score of 40th percentile or greater on either the verbal or quantitative sections of the GRE with no less than the 20th percentile on either the verbal or quantitative
- Submit three recent letters of professional recommendation
- Submit an example of scholarly writing (e.g., thesis, publication, term-paper, etc)
- Submit a formal statement of intent (2000 words or less) summarizing areas of research interest, related professional experiences, and the reasons for applying to the Ph.D. program
- Submit written consent from a CRCS academic faculty major advisor agreeing to mentor the applicant if they are accepted to the program

## International Students

International students whose native language is not English must achieve at least the 50th percentile on the Verbal section of the GRE. Applicants whose first language is not English need to meet the following TOEFL requirements for Classified admission:

- Internet -based test (iBT): a total score of 80 with a score of at least 20 on each Section (graduate assistants who teach courses must score 23 or above on the Speaking Section) on the iBT; or
- Computer-based test: a total score of 213 with a score of at least 21 on Section 1 (Listening Comprehension) on the computer test; or
- Paper-based test: a total score of 550 with a score of at least 55 on Section 1 (Listening Comprehension) on the paper test or a score of 84 on the MTELP, or a score of 6 on the IELTS.

*\*Some exceptions may be made pending approval of the CRCS Ph.D. studies committee and Ph.D. program co-coordinators.*

All applicants are reviewed on a competitive case-by-case basis. Qualified applicants may be invited for an interview with members of the CRCS Ph.D.

studies committee. Meeting entry level requirements for admission does not guarantee a seat in the program. Admission into the program is separate from an offer of funding.

*Preferential consideration* will be given to those applicants already holding graduate degrees / clinical certification and demonstrated academic potential in Audiology, Speech-Language Pathology, Occupational Therapy, Physical Therapy, or other related fields. Others may apply and will be considered for admission based on merit and potential for success.

## General Requirements

The Doctor of Philosophy in Rehabilitation and Communication Sciences requires a minimum of 60 credits post graduate degree or equivalent across: Academic Core, Research Core, Specialized Program, and Dissertation areas. Prior to starting the program the applicant must have completed a bachelor's degree; completion of a graduate degree is also preferred. If a student is accepted to and starts the program without having completed a graduate degree, or if they are currently enrolled in a graduate program, they will be required to complete graduate-level clinical-entry didactic coursework within their discipline during their program (typically an additional 30 or more credit-hours). These students may or may not receive specific clinical education training along with clinical placements during their program, but it may be an option if desired and if approved by the student's advisory committee, CRCS Ph.D. studies committee, and Ph.D. program co-coordinators.

*All students and candidates must adhere to:*

- ISU / ISU Graduate School policies, procedures, and requirements
- CRCS Ph.D. program policies, procedures, and requirements

*\*Failure to adhere to the policies, procedures, or requirements, poor performance / progress, or unprofessional / unethical conduct may result in probationary actions or immediate dismissal from the program.*

**Special Requirement (may not apply to all students)**

**Thesis Equivalent (1-6 credits of CRCS 7050):** Students who did not complete a graduate thesis (or comparable research project) must complete a supervised research project prior to starting their research practicum. The project will follow ISU Graduate School requirements, policies, and procedures with the exception of not having to submit the final document to the graduate school for approval.

## Program Requirements

- The student / candidate will have a major advisor and advisory committee as defined in the CRCS Ph.D. studies manual. Mutual consent from both the student / candidate and a major advisor must be obtained and maintained throughout the program of study. Following the student's self-evaluation the major advisor and advisory committee will initially be responsible for monitoring and evaluating annual performance and progress. Student progress will also be evaluated by the CRCS Ph.D. studies committee and CRCS Ph.D. program co-coordinators.
- **Curriculum Requirements:** The program of study consists of four core elements: Academic Core, Research Core, Specialized Program, and Dissertation. Students will work with their major advisor and their advisory committee to develop a program of study, which must be approved by the CRCS Ph.D. studies committee and CRCS Ph.D. program co-coordinators. Programs of study are individualized per student therefore the courses listed below provide a sampling of potential options. Changes to the program of study, major advisor, or advisory committee members may occur and will be handled by the CRCS petitions process as defined in the CRCS Ph.D. studies manual.

- **Academic Core (12 credits):** Academic core is focused on enhancing the student's understanding of the related professions, interprofessionalism, and pedagogical theory and application.

Code	Title	Credits
CRCS 8001	Overview of Rehabilitation Disciplines	3
HCA 5520	The Business of Healthcare	3
CRCS 8010	Mentored Teaching Practicum	1
Select 2 of the following or related coursework:		
EDUC 6602	Theories of Learning	3
EDLH 7732	College and University Curriculum	3
EDLH 7734	Issues and Trends in Higher Education	3
DENT 6605	Program Development and Evaluation	3
DENT 6618	Leadership Strategies to Improve Health Care	3
DENT 6620	Advanced Educational Theory and Methods	3

- **Research Core (15 credits):** Research core facilitates the student's understanding of statistics, statistical procedures, research design, scholarship, scientific dissemination, and grant writing through theoretical understanding and application of such procedures. Students are required to take a repeatable CRCS 8020, Doctoral Colloquium (1cr) each academic semester they are enrolled in the program.

Code	Title	Credits
CRCS 8020	Doctoral Colloquium	1
Select 3 of the following (in sequence):		
MATH 5557	Applied Regression Analysis	3
MATH 5558	Experimental Design	3
MATH 5559	Applied Multivariate Analysis	3
NURS 8813	Qualitative Inquiry and Analysis	3
NURS 8830	Current Trends in Research Design and Methods	3
PSYC 6627	Statistics and Research Design I	3
PSYC 6632	Statistics and Research Design II	3
PSYC 6637	Multivariate Statistics and Research Design	3
Select 1 of the following:		
CSD 6600	Principles of Research in Communication Disorders	3
DENT 6646	Health Research	3
NURS 7735	Statistical Analysis in Evidence Based Practice	3
NURS 8830	Current Trends in Research Design and Methods	3
PPRA 5518		4
Select 1 of the following:		
NURS 8825	Research and Grant Writing	3
NURS 8826	Approaches to Scholarly Writing	2
PSCI 6603	Scientific Communication	2
POLS 5557	Grantwriting	3

- **Specialized Program (15 credits):** Specialized program develops the student's area of expertise and scholarship through coursework, independent studies, directed student learning, and guided research. At least 6 credits of basic or applied sciences outside of the CRCS must be taken and should be based

on the student's area(s) of interest and program needs. A main requirement of the Specialized Program element is the research practicum, CRCS 8050, where the student is mentored through a research project that results in a manuscript submitted for publication consideration to a refereed academic journal of appropriate caliber. The project must follow ISU graduate thesis guidelines, requirements, and procedures, with the following exceptions: a GFR is not required and neither is submission of the completed document to the graduate school for approval.

Code	Title	Credits
CRCS 8030	Advanced Seminar in Rehabilitation and Communication Sciences	1-6
CRCS 8031	Independent Study	1-6
CRCS 8032	Special Topics in Rehabilitation and Communication Sciences	1-6
CRCS 8033	Special Topics Workshop in Rehabilitation and Communication	1-6
CRCS 8050	Research Practicum in Rehabilitation and Communication Sciences	1-6
CRCS 8899	Experimental Course	1-6
CRCS 8080	Predoctoral Independent Study	1-9
CRCS 9000	Dissertation	1-9
CRCS 9001	Dissertation: Summer Research	1-6

- **Comprehensive Examinations:** During the final semester of didactic coursework, or shortly following that semester, including completion of the student's research practicum project with manuscript submission for publication consideration, the advisory committee will determine the nature of the written and oral comprehensive examinations. If the student passes their comprehensive examinations they are submitted for doctoral candidacy following the ISU Graduate School Guidelines. Upon being submitted for candidacy the student works with the major advisor to establish a dissertation committee and then begins development of their dissertation project(s). If the student's performance on the comprehensive written or oral examinations is unsatisfactory, the committee will determine remediation procedures, timing, and sequences for the second, final, attempt at the examination. Failure of an examination a second time will result in dismissal from the program.
- **Grant Submission:** The student and advisor will work together to develop and submit at least one proposal for funding during the student's / candidate's program.

*\*Students must complete all aspects of the program within five years of completion of their comprehensive exams per ISU Graduate School Requirements.*

## Courses

### **CRCS 7050 Thesis Equivalent Research Project: 1-6 semester hours.**

Under the guidance of the major advisor and research committee the student will develop, conduct, analyze, interpret, and present a research project defense. The project and product should follow most of the ISU Graduate School guidelines regarding theses and dissertations other than requiring a GFR and approval from the Graduate School for the final manuscript. Graded S/U. May be repeated. Up to 3 credits may be applied to the pre-doctoral requirements, but zero credits may be applied to the 60 credit requirements for the post-graduate degree Ph.D. program of study. PREREQ: Permission of instructor

### **CRCS 8001 Overview of Rehabilitation Disciplines: 3 semester hours.**

Overview of the disciplines of Audiology, Occupational Therapy, Physical Therapy and Speech-Language Pathology. Examines interdisciplinary and interprofessional functions of rehabilitation professionals within multiple settings, including education, clinical practice, research, and administration. PREREQ: Permission of instructor

### **CRCS 8010 Mentored Teaching Practicum: 1 semester hour.**

Mentored teaching experience within the specific discipline of the doctoral student. Graded S/U. May be repeated. Only 1 credit may count toward degree. PREREQ: Permission of instructor

### **CRCS 8020 Doctoral Colloquium: 1 semester hour.**

Advanced study, student and faculty presentations, discussions of research in the rehabilitation fields that will include methods in interprofessional, interdisciplinary, multidisciplinary, and transdisciplinary research. Students in the Ph.D. program are required to take this each academic semester they are enrolled in the program and will attend and present their research during bimonthly seminar presentations/discussions. Graded S/U. May be repeated. Only 1 credit may count toward degree.

### **CRCS 8030 Advanced Seminar in Rehabilitation and Communication Sciences: 1-6 semester hours.**

Readings, preparations, and discussions involving subjects of concern for students. Graded S/U. May be repeated. Only 6 credits may count toward degree. PREREQ: Permission of instructor

### **CRCS 8031 Independent Study: 1-6 semester hours.**

Directed learning via independent study of problems selected by student and faculty member. Graded S/U. May be repeated. Only 6 credits may count toward degree. PREREQ: Permission of instructor

### **CRCS 8032 Special Topics in Rehabilitation and Communication Sciences: 1-6 semester hours.**

Individualized readings, preparations, and discussions of reports and projects in all areas of rehabilitation, speech and hearing science, speech-language pathology, audiology, occupational therapy, and physical therapy. Graded S/U. May be repeated. Only 6 credits may count toward degree. PREREQ: Permission of instructor

### **CRCS 8033 Special Topics Workshop in Rehabilitation and Communication: 1-6 semester hours.**

Symposium of professionally related topics in workshop format. Meets for a minimum of 16 contact hours per credit with appropriate outside assignments, readings, or papers. May be repeated. Only 1 credit may be counted towards degree.

### **CRCS 8050 Research Practicum in Rehabilitation and Communication Sciences: 1-6 semester hours.**

Under the guidance of the research practicum mentor and committee the student will develop, conduct, interpret, and present a research project that will be submitted for publication consideration to an academic peer-reviewed journal of appropriate caliber. Graded S/U. May be repeated. Only 3 credits may count towards degree. PREREQ: Permission of instructor

### **CRCS 8080 Predoctoral Independent Study: 1-9 semester hours.**

Self-study of a range of topics and techniques relevant to Rehabilitation and Communication Sciences, which may include comprehensive examinations or preparations for undertaking dissertation research. Graded S/U. May be repeated. Only 3 credits may count toward degree. PREREQ: Permission of instructor

### **CRCS 8899 Experimental Course: 1-6 semester hours.**

This is an experimental course. The course title and number of credits are noted by course section and announced in the class schedule by the scheduling department. Experimental courses may be offered no more than three times. May be repeated.

***CRCS 9000 Dissertation: 1-9 semester hours.***

Students will develop, conduct, analyze, and interpret research for their dissertation. May be repeated. Only 18 credits may count toward degree.

***CRCS 9001 Dissertation: Summer Research: 1-6 semester hours.***

Students conducting dissertation research may register for this course in the summer, if desired. May be repeated. 1 credit may count toward degree.

PREREQ: Permission of instructor