Department\* 

Program Type: 

Degree Type: 

**Provide a brief summary of the proposed** program changes and describe the rationale for the change(s):

According to recent estimates, approximately 1/3 of available academic faculty positions in CSCD in the US will go unfilled unless a large number of new PhD graduates are produced in the short term.  The University of Delaware is an ideal institution to generate such professionals because of the excellence of its programs in general, and its emphasis on interdisciplinary research in particular, which is foundational to the professional of CSCD.  The proposed PhD program in Communication Sciences and Disorders will have between 10-20 full-time students at any given time.  Full time students should expect to graduate in approximately 4-5 years. This will be possible given the number of faculty that are research active and the space and clinical resources currently allocated to the CSCD department. An enrollment of this size would place the UD CSCD PhD program among the top institutions in the US in terms of size of PhD program and the ability to address the shortage of PhD graduates in the profession.

**List new courses required** for the new curriculum. How do they support the overall program objectives of the major/ minor/ concentrations)?

The PhD program requires students to complete a minimum of 54 s.h.; Twelve of those hours are in statistics and research design (taken outside the department) and then the remaining will consist of a combination of CSCD courses (minimum of 20 in CSCD) and the remaining in students’ cognate areas.  The course sequence has been designed to provide the students with a strong research foundation and a deep understanding of the area of study.

CSCD 800        Research Principles in Communication Sciences & Disorders (3 s.h.)

CSCD 810        Advanced Seminar in Communication Sciences & Disorders (1-3 s.h.)

CSCD 820       Independent Doctoral Study in Communication Sciences & Disorders Variable Credit (1-6 s.h.)

CSCD 860       Grant-writing in Communication Sciences & Disorders (3 s.h.)

CSCD 895       Clinical Fellowship (Variable credit 1-9 s.h.)

CSCD 964       Pre-candidacy study (Variable Credit 1-6 s.h.)

CSCD 969       Dissertation Variable credit, (1-9  s.h.).

Students will likely take their statistics and design sequence, in the College of Education .  Students are also likely to, based on their area of study, take graduate courses in the College of Education, Kinesiology and Applied Physiology, Biological Sciences, Biomedical Engineering, and Music.

**Resolutions:**

WHEREAS, the Program of Communication Sciences and Communication Disorders (CSCD) in the College of Health Sciences has successfully initiated a new program for training clinical students with a master of science in speech language pathology, and

 WHEREAS, CSCD as a field has a significant shortage of qualified research doctoral level individuals who can improve clinical practice, serve as faculty of academic programs, and carry out high quality research on communication disorders, and

 WHEREAS, CSCD has assembled a nationally recognized faculty who are qualified to train students in research in communication sciences and disorders and has funding, adequate research space, and staff to support a doctoral program

 RESOLVED, that the Faculty Senate recommends provisionally for seven years the approval of the establishment of a Doctor of Philosophy degree in Communication Sciences and Disorders.

 Basic Sequence

PSYC 860 & 861

EDUC 665, 856

STAT 800 & 801

Advanced

                        PSYC 878, 879

                        STAT 656, 617, 831, 613, 620

EDUC 812, 826, 850, 858, 872 874, 876

                        SOCI 625

Research Methodology

Research principles:  3 credits, aimed at coverage in philosophy and history of science, contemporary scientific philosophy and research principles, and initial development of students’ current research ideas in their domains of interest in line with these principles.

Research design: 3 credits, A course aimed at teaching the basics of experimental design.

Instrumentation:  3 credits, oriented towards students’ specific needs and direction (e.g., Matlab, Eprime, Programming, fMRI/fNIRS, Eye tracking, etc.). This may be an undergraduate course if appropriate and approved by the student’s POS committee. In these cases UD policies for course numbering shall be followed.

Research Design

                        PSYC 809

                        EDUC 691, 862

                        CGSC 620

Instrumentation

                        PSYC653

                        CIEG 675

Relevant Courses in Content Area

Description

Relevant coursework in content area: Courses in associated basic sciences relevant to the student’s interests (cognate courses), lab rotations, and independent studies specific to the student:  21 credits total.  At least 3 semester hours should be from an independent study with the student’s primary advisor to be taken in the first year.  The student must take at least 3 s.h. of Advanced Seminars in CSCD. The topic will vary with instructor.  Other credits may include credits obtained outside the department. There is value in participating in formal seminars and classes as a group. With this in mind, a maximum of 9 credits for lab rotations and/or independent study registrations may count toward the degree.

Post qualifying exam coursework

Description

Grantwriting course:  3 credits; a goal will be to complete a fundable federal application. Products should be submitted for funding if the student is eligible. This course will typically be taken after the student completes his/her qualifying exam successfully and may be repeated with permission of the instructor.

Pre-candidacy study (Prospectus): 3-6 credits, may be repeated.  Will initiate after successful completion of the qualifying exam.

Dissertation (see below for description): Variable credit, 1-9 semester hours.  Students may enroll for dissertation credit following successful presentation and defense of the prospectus. The first semester of dissertation will carry 6-9 semester hours of dissertation credit.  Subsequently, students may enroll for 1 credit of dissertation per semester, unless fellowship or funding rules require greater registrations.

Expected Outcomes

Program success will be evaluated in three ways: (1) quality of applicants recruited and timely completion of the degree, (2) students’ learning outcomes, and (3) post-graduation surveys. Each year, the number of applicants and their credentials will be tabulated. In addition, information on number of students meeting key timelines will be assessed. The program will also assess the extent to which the students are meeting the following learning objectives: a) students’ advanced knowledge in their particular area of study, b) students’ statistical knowledge required for their particular sub-area, c) students’ scholarly contribution, and d) student’s’ independent research, classroom pedagogy. In addition, a formal survey will be sent to graduates 1, 3, 5, and 7 years after their graduation, to inquire about their present employment, publication record, funding history and satisfaction with their PhD training. Results of all of these findings will be regularly discussed among the faculty and submitted to relevant bodies.