COMMUNICATION SCIENCES AND DISORDERS (PH.D.)

Program Requirements

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>CSND 577</td>
<td>Scientific and Professional Writing</td>
<td>3</td>
</tr>
<tr>
<td>CSND 702</td>
<td>Clinical Instrumentation</td>
<td>3</td>
</tr>
<tr>
<td>CSND 703</td>
<td>Biomedical Ethics</td>
<td>2</td>
</tr>
<tr>
<td>CSND 801</td>
<td>Advanced Scientific and Professional Writing</td>
<td>3</td>
</tr>
<tr>
<td>CSND 809</td>
<td>Speech Perception</td>
<td>3</td>
</tr>
<tr>
<td>CSND 834</td>
<td>Seminar in University Teaching</td>
<td>1</td>
</tr>
<tr>
<td>CSND 835</td>
<td>Practicum in University Teaching</td>
<td>2</td>
</tr>
<tr>
<td>CSND 534</td>
<td>Speech and Hearing Science</td>
<td>3</td>
</tr>
<tr>
<td>or CSND 602</td>
<td>Hearing and Speech Science</td>
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Select one of the following: 3

- STAT 541  Applied Statistics
- STAT 542  Statistical Theory I
- STAT 543  Statistical Theory II
- STAT 544  Statistical Computing
- STAT 545  Practicum in Statistics I
- STAT 546  Non-Parametric Statistics
- STAT 547  Design and Analysis of Experiments
- STAT 548  Applied Regression Analysis
- STAT 549  Sampling Techniques
- STAT 552  Intermediate Statistics Methods
- STAT 561  Statistical Data Mining I
- STAT 562  Statistical Data Mining II
- STAT 570  Statistical Consulting
- STAT 595  Topics in Statistics
- STAT 597  Research Methods in Statistical Science
- STAT 640  Biostatistics I
- STAT 641  Biostatistics II
- STAT 642  Introduction to Stochastic Processes
- STAT 645  Advanced Topics in Statistics
- STAT 646  Multivariate Analysis
- STAT 647  Practicum in Statistics II
- STAT 648  Advanced Statistical Methods
- STAT 649  Independent Study in Statistics

Complete for a total of 8 credits

- CSND 899  Directed Readings

Electives

Select 26 credits from the list by advisement (see below)

Elective Credits

- CSND 500  Language Assessment
- CSND 511  Language Disorders of Adults I
- CSND 514  Communication Disorders of Aged
- CSND 515  Voice Disorders
- CSND 517  Phonological and Articulation Disorders
- CSND 518  Language Disorders of Adults II
- CSND 523  Educational Audiology
- CSND 524  Evaluation and Treatment of Swallowing Disorders
- CSND 525  Motor Speech Disorders
- CSND 544  Diagnostic Procedures in Audiology I
- CSND 545  Diagnostic Procedures in Audiology II
- CSND 546  Diagnostic Procedures in Audiology III
- CSND 576  Aural Rehabilitation Across the Lifespan
- CSND 580  Aural Rehabilitation for Adults
- CSND 581  Pediatric Aural (Re)Habilitation
- CSND 583  Language Disorders of Children
- CSND 584  Cleft Palate and Craniofacial Disorders
- CSND 585  Fluency Disorders
- CSND 587  Language Disorders in School Age Children
- CSND 594  Independent Study
- CSND 598  Problems and Issues in Communication Disorders
- CSND 601  Auditory Processing Disorders
- CSND 620  Pediatric Audiology
- CSND 621  Implantable Devices for the Remediation of Hearing Loss
- CSND 671  Special Topics in Audiology
- CSND 701  Auditory Anatomy and Physiology
- CSND 705  Community and Industrial Audiology
- CSND 706  Advanced Amplification Technology
- CSND 707  Basic Medical Audiology: Genetics and Pathology
- CSND 708  Psychoacoustics I
- CSND 709  Laboratory for Psychoacoustics I
- CSND 722  Advanced Auditory Potentials
- CSND 807  Advanced Medical Audiology
- CSND 808  Psychoacoustics II
- CSND 819  Laboratory for Psychoacoustics II
- CSND 836  Practicum in Clinical Preceptorship
- CSND 837  Seminar in Clinical Preceptorship

Successfully complete the qualifying portfolio, examination or assessment requirement.

Admission to Candidacy

Following completion of pre-dissertation research courses and qualifying exam, you may be admitted to candidacy.

Dissertation Requirement

Complete a dissertation in accordance with Graduate School and doctoral program requirements.

Total Credits 78

Qualifying Portfolio/Excam/Assessment

- CSND 900  Dissertation Advisement

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