COMMUNICATION SCIENCES AND DISORDERS (PH.D.)

Program Requirements

Academic Core

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
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<tbody>
<tr>
<td>CSND 577</td>
<td>Scientific and Professional Writing</td>
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<tr>
<td>CSND 702</td>
<td>Clinical Instrumentation</td>
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<tr>
<td>CSND 703</td>
<td>Biomedical Ethics</td>
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<tr>
<td>CSND 801</td>
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<tr>
<td>CSND 809</td>
<td>Speech Perception</td>
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<tr>
<td>CSND 834</td>
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<td>CSND 835</td>
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<tr>
<td>CSND 534</td>
<td>Speech and Hearing Science</td>
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<tr>
<td>or CSND 602</td>
<td>Hearing and Speech Science</td>
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Research Experience

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<tr>
<td>CSND 750</td>
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<tr>
<td>STAT 600</td>
<td>Statistical Methods for Research Workers I</td>
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<td>STAT 601</td>
<td>Statistical Methods for Research Workers II</td>
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Select one of the following:

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<tr>
<td>STAT 541</td>
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<td>STAT 542</td>
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<td>STAT 543</td>
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<td>STAT 544</td>
<td>Statistical Computing</td>
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<td>STAT 545</td>
<td>Practicum in Statistics I</td>
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<td>STAT 546</td>
<td>Non-Parametric Statistics</td>
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<td>STAT 547</td>
<td>Design and Analysis of Experiments</td>
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<td>STAT 548</td>
<td>Applied Regression Analysis</td>
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<td>STAT 549</td>
<td>Sampling Techniques</td>
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<td>STAT 552</td>
<td>Intermediate Statistics Methods</td>
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<td>STAT 561</td>
<td>Statistical Data Mining I</td>
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<td>STAT 570</td>
<td>Statistical Consulting</td>
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<td>STAT 642</td>
<td>Introduction to Stochastic Processes</td>
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<td>STAT 648</td>
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Complete for a total of 8 credits

Electives

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<tr>
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<td>CSND 511</td>
<td>Language Disorders of Adults I</td>
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<td>CSND 514</td>
<td>Communication Disorders of Aged</td>
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<td>CSND 515</td>
<td>Voice Disorders</td>
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<td>CSND 517</td>
<td>Phonological and Articulation Disorders</td>
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<td>CSND 518</td>
<td>Language Disorders of Adults II</td>
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<td>CSND 523</td>
<td>Educational Audiology</td>
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<td>CSND 524</td>
<td>Evaluation and Treatment of Swallowing Disorders</td>
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<td>CSND 525</td>
<td>Motor Speech Disorders</td>
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<td>CSND 544</td>
<td>Diagnostic Procedures in Audiology I</td>
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<td>CSND 576</td>
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<td>Pediatric Aural (Re)Habilitation</td>
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<td>Language Disorders of Children</td>
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<td>Cleft Palate and Craniofacial Disorders</td>
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<td>CSND 585</td>
<td>Fluency Disorders</td>
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<td>CSND 587</td>
<td>Language Disorders in School Age Children</td>
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<td>CSND 594</td>
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<td>CSND 598</td>
<td>Problems and Issues in Communication Disorders</td>
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<td>CSND 601</td>
<td>Auditory Processing Disorders</td>
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<td>CSND 620</td>
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<td>CSND 706</td>
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<td>Basic Medical Audiology: Genetics and Pathology</td>
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<td>CSND 722</td>
<td>Advanced Auditory Potentials</td>
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Electives

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

Dissertation Advisement

<table>
<thead>
<tr>
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<tbody>
<tr>
<td>CSND 900</td>
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Qualifying Portfolio/Excam/Assessment

Successfully complete the qualifying portfolio, examination or assessment requirement.