Department of Communication Sciences and Disorders

Program Objectives
The Department of Communication Sciences and Disorders is committed to the preparation of students interested in graduate study and eventual careers in speech-language pathology or audiology. The pre-professional undergraduate program emphasizes education in the following: GEC; basic speech and hearing sciences; anatomy and physiology of the speech and hearing systems; normal development and behavior in speech, swallowing, hearing, and language; awareness of cultural diversity and its relationship to communication; and an introduction to communicative disorders.

Career Prospects
The professions of speech-language pathology and audiology are exciting fields wherein professionals provide services to individuals with communication disorders. The demand for certified practitioners is continually increasing; consequently, job prospects remain very good. The pre-professional undergraduate program and graduate study in either speech-language pathology or audiology enable graduates to seek employment in a variety of settings and work with individuals of all ages. They may also pursue academic and research careers in the discipline of communication sciences and disorders.

FACULTY

CHAIR
• Robert F. Orlikoff - Ph.D. (Columbia University)

PROFESSORS
• Carolyn P. Atkins - Ed.D. (WVU)
  Speech-language pathology, Speech improvement, Public speaking, Effective communication
• Mary Ellen Tekieli Koay - Ph.D. (University of Oklahoma)
  Speech-language pathology, Neurophysiology, Neuropathologies, Clinical supervision
• Norman J. Lass - Ph.D. (Purdue University)
  Speech and hearing science, Speech perception, Speech acoustics, Experimental phonetics
• Robert F. Orlikoff - Ph.D. (Columbia University)
  Speech-language pathology Speech and voice physiology, Voice disorders, Evidence-based practice
• Vishakha W. Rawool - Ph.D. (Purdue University)
  Audiology, Auditory electrophysiology, Otoacoustic emissions, Acoustical reflex, Aging, Pediatrics, Clinical supervision
• Dennis M. Ruscello - Ph.D. (University of Arizona)
  Speech-language pathology, Language, Articulation, Cleft Palate-Craniofacial disorders, Clinical supervision
• Kenneth O. St. Louis - Ph.D. (University of Minnesota)
  Speech-language pathology, Fluency, Voice, Clinical supervision

ASSISTANT PROFESSORS
• Jeremy J. Donai - Ph.D. (Texas Tech University)
  Audiology, Psychoacoustics, Amplification, Hearing aids
• Kimberly M. Meigh - Ph.D. (University of Pittsburgh)
  Speech-language pathology; Motor speech disorders, Motor learning, Diagnostics, Adult neurogenic communication disorders
• Michelle W. Moore - Ph.D. (University of Pittsburgh)
  Speech-language pathology, Child language disorders, Literacy, Phonological disorders

CLINICAL ASSISTANT PROFESSOR
• Karen Barr Haines - M.S. (WVU)
  Speech-language pathology, Augmentative communication, Clinical supervision

TEACHING ASSISTANT PROFESSORS
• Ashleigh J. Callahan - Ph.D. (James Madison University)
  Audiology, Vestibular evaluation/rehabilitation, Hearing conservation
• Gayle B. Neldon - Ed.D. (WVU)
  Audiology, Amplification, Clinical supervision, Program coordinator
CLINICAL INSTRUCTOR  
- Leslie C. Graebe - M.S. (WVU)  
  Speech-language pathology, Clinical practice, Clinical supervision

TEACHING INSTRUCTOR  
- Janet J. Petitte - M.S. (WVU)  
  Audiology, Hearing aids, Clinical supervision

PROFESSOR EMERITUS  
- Charles M. Woodford - Ph.D.

ASSOCIATE PROFESSOR EMERITUS  
- Conrad Lundeen - Ph.D.

ASSISTANT PROFESSORS EMERITAE  
- Lynn R. Cartwright - Ed.D.  
- Cheryl L. Prichard - Ed.D.

Pre-Speech Pathology and Audiology

ADMISSION

Normally, students are first admitted to the pre-SPA program of study and matriculate as such during the freshman and sophomore years. Pre-SPA students are assigned an advisor in the College of Education and Human Services Center for Student Advising and Records in 710 Allen Hall. To qualify for admission, incoming freshmen must present an overall high school GPA of 3.0 or higher, 1050 or higher on the SAT, or 23 on the ACT. Students who transfer into pre-SPA during the freshman or sophomore year from either another major at WVU or from another university must present a grade point average of 3.0 for all undergraduate coursework taken prior to the time of transfer.

REQUIREMENTS

Students are considered pre-SPA until they have met the requirements specified below and have applied and been accepted into the SPA degree program.

1. Completion of at least fifty-eight academic hours, including a grade of C or better in each of the following:  
   English 101 and 102 (or equivalent English 103), Statistics 211 (or Economics 225), Linguistics 101, a physical science course (preferably physics or chemistry), a biological science course (preferably Biology 101), Psychology 101, Mathematics 126 (or higher), a course fulfilling GEC Objective 3, and a foreign language (101 and 102, or equivalent)

2. Completion of SPA 200 and SPA 270 with a minimum grade of B [and, for Freshmen declaring Pre-SPA at the beginning of college study, completion of SPA 199]

3. A minimum of 80% on the SPA Qualifying Examination

4. An overall GPA of at least 3.0.

These requirements are subject to change. Interested students should contact the Department of Communication Sciences and Disorders or http://csd.wvu.edu for information on current requirements.

B.S. Degree Program in Speech Pathology and Audiology

ADMISSION

After completing all pre-SPA requirements listed above, a student must apply for admission to the degree program by completing an application form obtained from the Department of Communication Sciences and Disorders in 805 Allen Hall. It is the student’s responsibility to obtain an application form and submit it to the Department of Communication Sciences and Disorders between the deadline dates of February 15 and March 1. No applications will be accepted after March 1. After the application has been reviewed and verified, the student will receive a letter summarizing the department’s admission decision. Students will be ranked according to their overall GPA for all undergraduate coursework. The forty-five students with the highest GPA will be admitted to the B.S. degree program at the beginning of the junior year. Students who are not admitted should consult their advisor to plan their next steps.

Following admission to the degree program, the student must continue to meet GPA standards set by the department in order to continue in the program and graduate with a degree in speech pathology and audiology.
Speech Pathology and Audiology

GENERAL EDUCATION CURRICULUM

Please use this link to view a list of courses that meet each GEC requirement. (http://registrar.wvu.edu/current_students/general_education_curriculum)

NOTE: Some major requirements will fulfill specific GEC requirements. Please see the curriculum requirements listed below for details on which GECs you will need to select.

### General Education Curriculum

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Name</th>
<th>Hours</th>
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<tbody>
<tr>
<td>ENGL 101</td>
<td>Composition and Rhetoric</td>
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<tr>
<td>&amp; ENGL 102</td>
<td>and Composition and Rhetoric</td>
<td></td>
</tr>
<tr>
<td>or ENGL 103</td>
<td>Accelerated Academic Writing</td>
<td></td>
</tr>
<tr>
<td>GEC 2A</td>
<td>Mathematics</td>
<td>3-4</td>
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<tr>
<td>GEC 2B</td>
<td>Natural and Physical Science</td>
<td>7-8</td>
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<td>GEC 2C</td>
<td>Additional GEC 2A, B or C</td>
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<tr>
<td>GEC 3</td>
<td>The Past and Its Traditions</td>
<td>3</td>
</tr>
<tr>
<td>GEC 4</td>
<td>Issues of Contemporary Society</td>
<td>3</td>
</tr>
<tr>
<td>GEC 5</td>
<td>Artistic Expression</td>
<td>3</td>
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<tr>
<td>GEC 6</td>
<td>The Individual in Society</td>
<td>3</td>
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<tr>
<td>GEC 6F</td>
<td>First Year Seminar</td>
<td>1-3</td>
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<tr>
<td>GEC 7</td>
<td>American Culture</td>
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</tr>
<tr>
<td>GEC 8</td>
<td>Western Culture</td>
<td>3</td>
</tr>
<tr>
<td>GEC 9</td>
<td>Non-Western Culture</td>
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<td><strong>Total Hours</strong></td>
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### Major in Speech Pathology & Audiology Requirements

A minimum GPA of 3.0 is required in all courses

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<th>Course Code</th>
<th>Course Name</th>
<th>Hours</th>
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<tbody>
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<td>CSAD 199</td>
<td>Orientation to Speech Pathology and Audiology</td>
<td>1</td>
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<tr>
<td>CSAD 200</td>
<td>Introduction to Communication Disorders (with grade of B or better)</td>
<td>3</td>
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<tr>
<td>CSAD 270</td>
<td>Effective Public Speaking (with a grade of B or better)</td>
<td>3</td>
</tr>
<tr>
<td>CSAD 274</td>
<td>Manual Communication</td>
<td>3</td>
</tr>
<tr>
<td>CSAD 276</td>
<td>Intermed Manual Communication</td>
<td>3</td>
</tr>
<tr>
<td>CSAD 320</td>
<td>Speech Science</td>
<td>4</td>
</tr>
<tr>
<td>CSAD 322</td>
<td>Phonetics</td>
<td>3</td>
</tr>
<tr>
<td>CSAD 324</td>
<td>Language Acquisition</td>
<td>3</td>
</tr>
<tr>
<td>CSAD 326</td>
<td>Articulation and Cleft Palate</td>
<td>3</td>
</tr>
<tr>
<td>CSAD 340</td>
<td>Hearing Science</td>
<td>4</td>
</tr>
<tr>
<td>CSAD 342</td>
<td>Hearing Screening Programs</td>
<td>3</td>
</tr>
<tr>
<td>CSAD 390</td>
<td>Clinical Observation Speech-Language Pathology</td>
<td>1</td>
</tr>
<tr>
<td>CSAD 391</td>
<td>Clinical Observation/Audiology</td>
<td>1</td>
</tr>
<tr>
<td>CSAD 422</td>
<td>Voice and Stuttering</td>
<td>3</td>
</tr>
<tr>
<td>CSAD 424</td>
<td>Language Disorders</td>
<td>3</td>
</tr>
<tr>
<td>CSAD 440</td>
<td>Audiological Assessment</td>
<td>3</td>
</tr>
<tr>
<td>CSAD 442</td>
<td>Aural Rehabilitation</td>
<td>3</td>
</tr>
<tr>
<td>CSAD 460</td>
<td>Professional Writing/Speaking</td>
<td>3</td>
</tr>
<tr>
<td>CSAD 482</td>
<td>Clinical Practice/Speech-Language Pathology</td>
<td>3</td>
</tr>
<tr>
<td>CSAD 483</td>
<td>Clinical Practice/Audiology</td>
<td>3</td>
</tr>
<tr>
<td>CSAD 485</td>
<td>Clinical Study and Application</td>
<td>1</td>
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<td>GEC Objectives (3, 5, 7, 8, and 9)</td>
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<td></td>
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<td>Electives</td>
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<td>11</td>
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<tr>
<td>Foreign Language</td>
<td></td>
<td>6</td>
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<tr>
<td>ENGL 101</td>
<td>Composition and Rhetoric</td>
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<tr>
<td>ENGL 102</td>
<td>Composition and Rhetoric</td>
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Choose one from the following (GEC Objective 2A): 3

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<tbody>
<tr>
<td>MATH 126@</td>
<td>Pre-Calculus Mathematics</td>
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<td>MATH 129</td>
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Choose one from the following (GEC Objective 2A): 3

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Name</th>
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<tbody>
<tr>
<td>STAT 211</td>
<td>Elementary Statistical Inference</td>
</tr>
<tr>
<td>ECON 225</td>
<td>Elementary Business and Economics Statistics</td>
</tr>
<tr>
<td>CS 101</td>
<td>Intro to Computer Applications</td>
</tr>
<tr>
<td>PSYC 101</td>
<td>Introduction to Psychology</td>
</tr>
<tr>
<td>LING 101</td>
<td>Introduction to Language</td>
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</table>

**Physical Science Requirement**

Choose one from the following (GEC Objective 2B): 4

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Name</th>
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<tbody>
<tr>
<td>BIOL 101</td>
<td>General Biology</td>
</tr>
<tr>
<td>&amp; BIOL 102</td>
<td>and General Biology</td>
</tr>
<tr>
<td>&amp; BIOL 103</td>
<td>and General Biology Laboratory</td>
</tr>
<tr>
<td>&amp; BIOL 104</td>
<td>and General Biology Laboratory</td>
</tr>
<tr>
<td>BIOL 115</td>
<td>Principles of Biology</td>
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Choose one from the following (GEC Objective 2B): 4

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Name</th>
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<tbody>
<tr>
<td>CHEM 111</td>
<td>Survey of Chemistry</td>
</tr>
<tr>
<td>CHEM 112</td>
<td>Survey of Chemistry</td>
</tr>
<tr>
<td>CHEM 115</td>
<td>Fundamentals of Chemistry</td>
</tr>
<tr>
<td>CHEM 116</td>
<td>Fundamentals of Chemistry</td>
</tr>
<tr>
<td>CHEM 117</td>
<td>Principles of Chemistry</td>
</tr>
<tr>
<td>CHEM 118</td>
<td>Principles of Chemistry</td>
</tr>
<tr>
<td>PHYS 101</td>
<td>Introductory Physics</td>
</tr>
<tr>
<td>PHYS 102</td>
<td>Introductory Physics</td>
</tr>
<tr>
<td>PHYS 105</td>
<td>Conceptual Physics</td>
</tr>
<tr>
<td>PHYS 107</td>
<td>Physics of Music</td>
</tr>
<tr>
<td>PHYS 108</td>
<td>Light, Vision and Color</td>
</tr>
<tr>
<td>PHYS 111</td>
<td>General Physics</td>
</tr>
<tr>
<td>PHYS 112</td>
<td>General Physics</td>
</tr>
<tr>
<td>GEOG 106</td>
<td>Physical Geography Laboratory</td>
</tr>
<tr>
<td>GEOG 107</td>
<td>Physical Geography</td>
</tr>
<tr>
<td>GEOG 110</td>
<td>Environmental Geoscience</td>
</tr>
<tr>
<td>GEOG 111</td>
<td>Environmental Geoscience Laboratory</td>
</tr>
<tr>
<td>GEOG 150</td>
<td>Digital Earth</td>
</tr>
<tr>
<td>GEOL 101</td>
<td>Planet Earth</td>
</tr>
<tr>
<td>GEOL 102</td>
<td>Planet Earth Laboratory</td>
</tr>
<tr>
<td>ASTR 106</td>
<td>Descriptive Astronomy</td>
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**Normal Human Development**

Choose one from the following: 3

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Name</th>
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<tbody>
<tr>
<td>CDFS 110</td>
<td>Families Across the Life Span</td>
</tr>
<tr>
<td>CDFS 211</td>
<td>Infant Development</td>
</tr>
<tr>
<td>CDFS 212</td>
<td>Early Childhood Development</td>
</tr>
<tr>
<td>CDFS 316</td>
<td>Child Development Practicum</td>
</tr>
<tr>
<td>CDFS 412</td>
<td>Adolescent Development</td>
</tr>
<tr>
<td>CDFS 413</td>
<td>Contemporary Issues in Family Relations</td>
</tr>
<tr>
<td>CDFS 415</td>
<td>Family Interaction and Communication</td>
</tr>
<tr>
<td>PSYC 241</td>
<td>Introduction to Human Development</td>
</tr>
<tr>
<td>PSYC 343</td>
<td>Child and Adolescent Development</td>
</tr>
<tr>
<td>PSYC 345</td>
<td>Adulthood and Aging</td>
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**Abnormal Human Development**

Choose two from the following: 6

<table>
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<tr>
<th>Course Code</th>
<th>Course Name</th>
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<tbody>
<tr>
<td>CHPR 170</td>
<td>Health of the Individual</td>
</tr>
</tbody>
</table>
COMM 308  Nonverbal Communication  
COMM 408  Advanced Study in Nonverbal Communication  
COMM 317  Communication and Aging  
DISB 380  Disability and the Family  
DISB 385  Disability and Society  
LING 514  Sociolinguistics  
PHIL 331  Health Care Ethics  
PSYC 202  Research Methods in Psychology  
PSYC 232  Sex Roles and Behavior  
PSYC 251  Introduction to Social Psychology  
PSYC 281  Introduction to Abnormal Psychology  
PSYC 302  Behavior Principles  
PSYC 351  Topics in Social Psychology  
PSYC 364  Psychology of Adjustment  
PSYC 382  Exceptional Children  
PSYC 423  Cognition and Memory  
PSYC 424  Learning and Behavior Theory  
PSYC 425  Perception  
PSYC 474  Behavior Modification  
RDNG 421  Developmental Reading  
RPTR 145  Recreation Services for Special Populations  
SOWK 147  Human Diversity  
SOWK 151  Introduction to Social Work  
SOWK 300  Social Welfare Policy and Services 1  
SOWK 494  Seminar  
SOCA 223  Death and Dying  
SOCA 360  Women and Men in Society  
SPED 304  Special Education in Contemporary Society  

Total Hours: 128

Students must complete minimum requirements in clinical practicum, a minimum of 56 hours in SPA coursework, and a minimum of 17 hours of supporting area courses relating to natural sciences, normal/abnormal growth and development, and related issues.

**SENIOR CAPSTONE**

All students in the B.S. in speech pathology and audiology program must complete a capstone experience before graduation. SPA majors select and research a topic of personal interest within the discipline and, in addition to developing a capstone paper, present evidence of their scholarship in both oral and poster form.

**Suggested Plan of Study**

**First Year**

<table>
<thead>
<tr>
<th>Fall</th>
<th>Hours</th>
<th>Spring</th>
<th>Hours</th>
<th>SUM</th>
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</thead>
<tbody>
<tr>
<td>CSAD 199</td>
<td>1</td>
<td>ENGL 102</td>
<td>3</td>
<td>3</td>
</tr>
<tr>
<td>Foreign Language</td>
<td>3</td>
<td>Select one of the following:</td>
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<td>3</td>
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<tr>
<td>ENGL 101</td>
<td>3</td>
<td>STAT 211</td>
<td>3</td>
<td>3</td>
</tr>
<tr>
<td>GEC Objective 2A</td>
<td>3</td>
<td>ECON 225</td>
<td>3</td>
<td>3</td>
</tr>
<tr>
<td>PSYC 101</td>
<td>3</td>
<td>Foreign Language</td>
<td>3</td>
<td>3</td>
</tr>
<tr>
<td>GEC Objective (select from objectives 3, 5, 7, 8, or 9)</td>
<td>3</td>
<td>GEC Objective (select from objective 3, 5, 7, 8, 9)</td>
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<td>3</td>
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<td></td>
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<td>LING 101</td>
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<tr>
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**Second Year**

<table>
<thead>
<tr>
<th>Fall</th>
<th>Hours</th>
<th>Spring</th>
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<td>GEC Objective 2B</td>
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<tr>
<td>GEC Objective (select from objectives 5, 7, 8, or 9)</td>
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<td>CSAD 276</td>
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<tr>
<td>Course</td>
<td>Hours</td>
<td>Course</td>
<td>Hours</td>
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<tr>
<td>CSAD 200</td>
<td>3 GEC Objective (select from objectives 5, 7, 8, or 9)</td>
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<td>CSAD 270</td>
<td>3 Normal Human Development course</td>
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<tr>
<td>CSAD 274</td>
<td>3 Elective</td>
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<td></td>
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**Third Year**

<table>
<thead>
<tr>
<th>Semester</th>
<th>Course</th>
<th>Hours</th>
<th>Course</th>
<th>Hours</th>
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<td>Fall</td>
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<td>CSAD 324</td>
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<td>CSAD 342</td>
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<td>CSAD 340</td>
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<td>CSAD 460</td>
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<td>CSAD 391</td>
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**Fourth Year**

<table>
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<td>CSAD 422</td>
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**Total credit hours: 128**