

ASSISTIVE TECHNOLOGY AND ACCESSIBLE DESIGN, GRADUATE CERTIFICATE (SCHOOL OF EDUCATION, DEPARTMENT OF TEACHING AND LEARNING)

The Certificate in Assistive Technology and Accessible Design is an interdisciplinary program designed to meet the demand for assistive technology and accessible design specialists. The Departments of Occupational Science and Technology and Communication Sciences Disorders in the College of Health Sciences, along with the Department of Exceptional Education in the School of Education, collaborate on the course offerings and management. The certificate follows a model of prerequisite disability and technology basic knowledge, survey of the fields, assessment, intervention and leadership. Completion of the certificate will help prepare the students to sit for State and National certification examinations as Assistive Technology Specialists, Rehabilitation Engineering Technologist and Low Vision Specialist.

Admission Requirements

Admission

Students interested in this certificate should contact one of the three sponsoring programs before enrolling in any certificate courses. Admission to the certificate requires evidence of a basic knowledge of disability and computer applications, and an undergraduate GPA of at least 2.75 or a graduate GPA of at least 3.0.

Credits and Courses

Generally, students in the health sciences and exceptional education will have sufficient coursework in disability related studies. Prerequisite evidence in disability related studies may be obtained at the undergraduate level. One of the following is recommended to meet the computer applications requirement.

Code	Title	Credits
EXCEDUC 730	Assistive and Instructional Technology for Students with Disabilities	3
OCCTHPY 750	Computer Applications in Occupational Therapy Practice	3

The Certificate in Assistive Technology and Accessible Design requires completion of a minimum 15 credits as listed below. In special circumstances, the ATAD coordinator and advisory board may approve substitution of an equivalent Assessment or Intervention course relevant to assistive technology and adaptive design as appropriate.

Code	Title	Credits
Introduction		
OCCTHPY 620	Introduction to Assistive and Rehabilitation Technology (must be taken at graduate level) ¹	3

Assessment

Select one of the following:		3
EXCEDUC 765	Assistive Technology Service Delivery in Schools	
COMSDIS 715	Assessment and Intervention in Augmentative and Alternative Communication	
OCCTHPY 770	Assessment in Assistive Technology and Accessible Design	

Intervention²

Select one of the following:		3
OCCTHPY 625	Design and Disability	
OCCTHPY 595	Vision I: Introduction to Low Vision & Visual Impairment	
OCCTHPY 596	Vision II: Practical Aspects of Visual Impairment & Low Vision Intervention	
OCCTHPY 593	Introduction to Biomedical and Rehabilitation Instrumentation	
OCCTHPY 999	Advanced Independent Study	
EXCEDUC 735	Technology & Instruction for Students with Disabilities	
EXCEDUC/OCCTHPY 777	Fieldwork in Assistive Technology	
EXCEDUC 799	Independent Reading	
COMSDIS 717	Special Populations in Communication Disorders	
COMSDIS 791	Research Experience in Communication Sciences and Disorders	
COMSDIS 799	Independent Studies	

Elective

Select an additional 3 credits from either Assessment or Intervention list	3
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Capstone

OCCTHPY 760	Assistive and Rehabilitation Technology	3
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Total Credits	15
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¹ Alternate related graduate-level course can substitute if this course has been completed on an undergraduate level.

² Any U/G course must be taken at graduate level.

Certificate Requirements

Minimum Grade Requirement

To be awarded the certificate, students must earn a minimum grade of B in the certificate courses (B- not allowed).