Curriculum
The Master of Science in Applied Cognition and Neuroscience (ACN) program is an applied multidisciplinary program that incorporates and integrates methodologies from such diverse fields as psychology, neuroscience, computer science and philosophy. Students in this program may choose to specialize in one of the following areas: cognition and neuroscience, neuroscience, computational modeling/intelligent systems, human-computer interactions and neurological diagnosis and monitoring.

Career Options
Career preparation opportunities include but are not limited to the following areas: Experimental Neuroscience; Experimental Psychology; Cognitive-Neuroscience; Artificial Intelligence and Machine Learning; Usability Engineering; Intraoperative Neurophysiological Monitoring; and Brain Imaging Technology. In addition, the ACN degree provides excellent preparation for both doctoral work in cognition and neuroscience and medical school. Please note preparation for one or more of the above careers is dependent upon the specific curriculum specialization area chosen by the student within the ACN program.

Degree Program
The MS in Applied Cognition and Neuroscience requires the completion of a minimum of 36 semester credit hours.

For complete admission and degree requirements, view the Graduate Catalog at catalog.utdallas.edu.
Students, faculty and staff members of the School of Behavioral and Brain Sciences are committed to understanding the intersection of mind, brain and behavior. Their work is aimed at enhancing the health, education and quality of life of children and families, and creating and implementing technology that repairs and strengthens human abilities.

The school provides innovative training and research, offering an array of programs to develop creative thinkers. BBS offers training from through the PhD level, preparing students to become researchers, clinicians, social service professionals and corporate leaders.

Centers

Many of the school’s activities are shaped significantly by faculty and student involvement in five centers listed below.

**Callier Center for Communication Disorders:** The center is a national leader in providing care for children and adults with a wide variety of speech, language and hearing disorders. Faculty members support the center’s clinical services by engaging in research to provide the latest information on causes, treatments and prevention of communication disorders.

**Center for BrainHealth:** This center has a unique mission: to understand the brain’s ability to restore or protect healthy function, to protect the brain from unnecessary mental decline and to heal the brain through treatments that regenerate function. To accomplish its mission, the Center for BrainHealth unites cutting-edge technologies in brain science with the intellectual talent of world-class scientists and clinicians, thereby advancing cognitive treatments and brain repair across diseases.

**Center for Children and Families:** The center’s research, programs and community outreach activities are organized around parenting healthy families, strengthening interpersonal relationships and enhancing thinking and learning.

**Center for Vital Longevity:** This research center is focused on understanding and expanding the capacity of the aging mind. Center researchers use cutting-edge brain imaging technologies and advances in cognitive science to understand how the brain changes from young to old adulthood, the consequences of neural aging for everyday function and what interventions show promise for slowing cognitive aging.

**Texas Biomedical Device Center:** The center consists of a world-class team of scientists, engineers, medical doctors, regulatory specialists and clinicians committed to the development of affordable and innovative therapies and technologies to improve the quality of life for individuals suffering from neurological disorders.

Research

Focused on the intersection of mind, brain and behavior, the School of Behavioral and Brain Sciences is committed to translating the latest research into treatment and intervention that add depth to education and provide valuable community service.

In keeping with the University’s strategic initiative to “become one of the nation’s best public research universities,” BBS researchers are awarded grants from some of the most prestigious science organizations, including the National Institutes of Health and the National Science Foundation.

Contact Information

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