

RADFORD UNIVERSITY

Center for Adaptive Innovation and Creativity

Synergy between the Arts and Health Care

The Center will be a facility designed for faculty and students from the Waldron College of Health and Human Services (WCHHS) and College of Visual and Performing Arts (CVPA) to practice disciplines in both colleges.

- **Clinical Simulation Training**
 - Currently, nursing students in the BSN program engage in encounters with actors trained as either standardized or simulated patients and practice and/or are evaluated on their clinical skills including communication, relationship building, and ability to extract information, as well as their clinical reasoning skills. The WCHHS is planning to expand simulation experiences to include opportunities for students in all five units. In order for this to happen, the number of standardized and simulated patients will need to be increased, which could happen with a collaboration between WCHHS and the theater program.
 - In addition, the skills of the trained theater students could be utilized through counseling simulations in the Department of Communications Sciences and Disorders (COSD), Department of Occupational Therapy, Department of Physical Therapy, and the School of Social Work.
- **Physical Therapy**
 - The clearest ties between the Doctor of Physical Therapy and CVPA relate to the prevention and treatment of injury associated with performance art. Some examples include postural intervention for those who perform in Studio Art; ergonomic assessment and intervention for those in Studio Art and Graphic Design; and movement assessment and treatment for those in Dance, Music, Theatre & Cinema.
 - Another area of collaboration relates to children with disabilities, specifically developing ADA compliant buildings, playgrounds, or park access that is engaging and fun for those with various disabilities.
 - The opportunities for 3D printing to meet the needs of children with disabilities is another potential collaboration.
- **Speech Language Therapy & Music Therapy**
 - Since spring 2012, music therapists and speech language pathologists have collaborated in both individual and group programs in the Radford University Speech-Language and Hearing Clinic to incorporate music therapy into speech-language intervention sessions for children.
 - Another possibility is the inclusion of music therapy in speech-language intervention to target rehabilitation of voice, fluency, and language skills with adults who have experienced cerebrovascular accidents (i.e. strokes), traumatic brain injuries, and quality of life intervention for those with diagnoses of dementia.

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- **Autism Services**

- The WCHHS and the COSD has a long-standing history of treating patients with autism for communication disorders. Partnering with CVPA would allow for state-of-the-art treatments to be developed among our students and professors, such as allowing for students and faculty to use theater techniques for autism therapy, which would focus on nonverbal communication.
- Art therapy with children with autism is another potential collaborative area between the COSD faculty and the Art faculty. Ideally, a partnership with the art therapy program and artists could further derive therapeutic techniques for this population.

Existing Arts and Health Care Partnerships

The Center for Adaptive Innovation and Creativity is a facility that will provide space for a radically different approach to health education and interdisciplinary research, featuring creativity at the center of the learning process. Listed below are existing partnerships merging health education, research, creativity, and new technology.

- **University of Michigan Medical Arts Program.** The Michigan Medical Arts Program aims to enhance medical students' ability to provide high quality, humanistic clinical care through experiences and analysis of the musical, theatrical, literary, and visual arts.
- **University of Florida Center for the Arts in Medicine.** Established by the College of the Arts in 1996, the Center provides a framework for interdisciplinary collaboration among University of Florida faculty and students, healthcare providers, clinical artists, and local and global communities.
- **University of Texas at Austin Design Institute for Health.** The Design Institute for Health is a first-of-its-kind initiative dedicated to applying a creative design-based approach to the nation's health care challenges – and rapidly integrating that perspective into medical education and community health programs. The Design Institute for Health is a collaboration between the Dell Medical School and the College of Fine Arts.
- **The National Initiative for Arts & Health in the Military.** The National Initiative advances the arts in health, healing, and healthcare for military service members, veterans, their families, and caregivers. The National Initiative is led by Americans for the Arts in collaboration with multiple national arts, health and veterans service organizations, private sector, military and government agencies.
- **Cleveland Clinic Arts & Medicine Institute.** The Cleveland Clinic's Arts & Medicine Institute was created for the purpose of integrating the visual arts, music, performing arts, and research to promote healing. The mission of the Institute is to enhance the clinic experience through the arts; to practice and investigate the use of the arts in healing; and to build community around the arts, health, and medicine.