Curriculum
The Arts, Technology, and Emerging Communication doctoral program is a place of convergence for artists, scholars, engineers and scientists from multiple disciplines willing to explore rigorously and creatively the new territories revealed by the joined activities of arts, sciences and technology. Students in the doctoral program will typically design and develop multidisciplinary research projects addressing questions such as:

- New modes of interaction with information.
- Social and professional behaviors and relationships in physical and virtual environments.
- Challenges and issues of new modes of expression, representation and education.

Career Options
While academia represents an important professional avenue for ATEC PhD graduates, industry presents numerous career opportunities in such fields as design, research and development for new media, education, communication and information technologies.

Degree Program
The program leading to the PhD in Arts, Technology, and Emerging Communication is designed both for students wishing to teach arts-and-technology-related courses in colleges and universities and those who wish to develop new artistic, cultural or commercial applications of digital technology/emerging media. This program emphasizes the fusion of creative with critical thinking and theory with practice. Students seeking a PhD in Arts, Technology, and Emerging Communication will normally complete a minimum of 60 semester credit hours (42 semester credit hours in coursework and 18 semester credit hours in dissertation) beyond a master's degree or its equivalent, pass doctoral field examinations and complete and defend a dissertation.

For complete admission and degree requirements, view the Graduate Catalog at catalog.utdallas.edu.

The Edith O’Donnell Arts and Technology Building
Housed in the Edith O’Donnell Arts and Technology Building, ATEC is home to a number of research labs and studios embracing the service of creating new knowledge and identifying new horizons of research and creative practice. ATEC research teams and laboratories are engaged in innovative practices in the domains of: cultural sciences, data visualization and representation, modeling and simulation, virtual environments, emerging media and communication, game studies and sound design.
About the School
The School of Arts, Technology, and Emerging Communication (ATEC) is home to artists, scientists, designers, scholars and researchers who collaborate to create an exciting and dynamic academic program. Faculty, students and researchers explore cutting-edge topics through the study of emerging media, artistic experimentation with new technologies, and critical engagement with pressing social issues.

atec.utdallas.edu

Labs and Institutes
The ArtSciLab is a interdisciplinary research lab that carries out national and international investigations on the hybridization of art and science, data visualization and experimental publishing. ArtSciLab exists to support innovation that involves art, scientific research, technology development and education. Research includes collaboration between artists and scientists who seek to investigate problems of cultural timeliness and societal urgency.

The Emerging Gizmology Lab researches design, media and culture by studying the exponential proliferation of gizmos (products being built on new technologies). Gizmos are the leading-edge result of the technological imagination at work. The lab tracks, deconstructs and reconstructs gizmos to understand the culture that built them as well as potential for repurposing them as materials for research and projects.

The Fashioning Circuits Lab is a public humanities project that combines scholarship, university coursework and community engagement. The goal of the project is to explore the ways in which fashion and emerging media intersect and to work with community partners to introduce beginners to making and coding through the arts and humanities. In Fashioning Circuits, “fashion” functions not just as a noun to describe cultural trends, but also as a verb, “to fashion,” to indicate the experiential and problem-based learning strategies of the project and the potential for a diverse range of students to fashion themselves as members of the publics and counter publics of the future.

The Future Immersive Virtual Environments (FIVE) Lab performs research on state-of-the-art virtual reality (VR) systems and 3-D user interfaces (3DUIs). FIVE Lab researches using immersive VR technologies to promote learning and to provide training solutions that are better than real-world exercises. Researchers investigate the effects of system fidelity through user studies focused on performance, experience, learning and training.

The Narrative Systems Research Lab pursues models of understanding, structural research and the creation of new work in the fields of narrative and interactive media. Research includes making connections between narrative, new media, digital games, the fine arts, engineering, literature and the humanities through independent research, collaborative projects, and serious game development.

The Public Interactives Research Lab investigates how emerging technologies will transform urban media landscapes. Researchers create technologies that draw on developments in ubiquitous computing, public art and environmental design to create interactive experiences.

The Social Practice and Community Engagement Media Lab (SP&CE Media Lab), fosters knowledge exchange among diverse communities, creates visibility for existing projects that focus on social awareness and community engagement, and facilitates the development of community-focused projects and collaborations within the School of Arts, Technology, and Emerging Communication and with other disciplines at UT Dallas.

ATEC Graduate Programs

<table>
<thead>
<tr>
<th>Arts, Technology, and Emerging Communication</th>
<th>MFA, MA</th>
</tr>
</thead>
<tbody>
<tr>
<td>Arts, Technology, and Emerging Communication</td>
<td>PhD</td>
</tr>
</tbody>
</table>

Contact Information

Office of Admission and Enrollment
800 West Campbell Road
Richardson, TX 75080-3021
Phone: 972-883-2270 or 1-800-889-2443
Email: interest@utdallas.edu
Website: utdallas.edu/enroll

Recruitment Team
Naveen Jindal School of Management SM40
800 West Campbell Road
Richardson, TX 75080-3021
Phone: 972-883-5889
E-mail: jindal@utdallas.edu
Website: jindal.utdallas.edu

800 W Campbell Rd, Richardson, TX 75080
www.utdallas.edu