University of California, Santa Barbara
Program Learning Outcomes

PhD in Media Arts and Technology

Upon graduation with a PhD in Media Arts and Technology:

Core Knowledge

- Students will be able to demonstrate broad knowledge in the interdisciplinary field of Media Arts and Technology.
- Students will demonstrate specialized knowledge in one or more of these fields, sufficient enough to plan and carry out independent engineering and arts research.
- Students will be able to demonstrate deep knowledge of the state of the art in at least one of the component domains of inquiry in Engineering, Sciences or Arts and Design and relate it to Media Arts and Technology.

Research Methods and Analysis

- Students will be able to use qualitative and quantitative methodologies typically used in several of the Media Arts and Technology program research areas.
- Students will plan and execute research relating to rigorous visual and spatial arts projects with significant engineering and aesthetic complexity.
- Students will be able to rigorously reflect and analyze their work and processes within the context of the interdisciplinary field of Media Arts and Technology.
- Students will relate their results to previous findings and explain the impact of their results on future research.

Scholarly Communication

- Students will be able to review and cogently synthesize relevant literature and scholarship in the field.
- Students will be able to produce scholarship and engage in practice that is comparable in scope, format and ambition to articles, books, conference and journal papers, that appear in leading peer reviewed presses in the research areas of Media Arts and Technology and other applicable domains of inquiry.
- Students will be able to reflect upon their work and research and write appropriately in adherence to academic standards of the field.
- Students will be able to deliver a conference presentation effectively.
- Students will be able to communicate technical and/or theoretical and/or aesthetic material to audiences ranging from general to specialized.

Professionalism

- Students will be able to engage in a critical dialogue about the technological and aesthetic structure, merits, and context of their work.
- Students will be able to identify their career options post graduation, both as independent artists and in the industry and academia.
- Students will demonstrate a commitment to the fundamental principles of ethical academic and professional conduct.
- Students will be able to identify funding sources for research work, inquiry and practice and be able to write a funding proposal for such research work inquiry and practice.