ART+TECH STUDIO CONCENTRATION

INTRODUCTORY LEVEL

ART 3651 Art and Electronic Media
This course explores the relationships between art and electronic media in the 20th and 21st centuries. The course focuses on the shift from industrial to information-driven economies, the curriculum outlines digital arts historical trajectory, from the invention of photography to recent digital tools. Special attention is given to film, gaming, 3D printing, architecture, and interdisciplinary art practices.
PREREQUISITES: ART 1201C, ART 1300C, ART 1602C

ART 4652C Introduction to Art+Tech: Creative Coding
In this course, students are introduced to the possibilities that computational processes hold for visual artists and designers. Students learn how to apply computer programming skills in a variety of creative contexts. Topics may include programming for visuals, sound, moving images, games, and interactive installations. Previous computer programming knowledge is not required.
PREREOUISITES: ART 1201C. ART 1203C. ART 1300C. ART 1602C. ART 2204C

INTERMEDIATE LEVEL

ART 4XXX Intermediate Art+Tech: Networked Art
In this course, students research the history of artists using communications technologies ranging from phones and radios, to the internet and the cloud. Drawing on these approaches, students develop original projects that simultaneously live online, depend on recent networks, and consider how these technologies have shifted our relationships with the production of knowledge and contemporary art. Topics covered may include web design, net.art, mobile devices, and machine learning.
PREREQUISITES: All Foundations

ADVANCED LEVEL

ART 4645 Advanced Art+Technology: Interactivity
In this course, students learn the tools and techniques required to incorporate interactivity into objects, performances, and art installations. Technical topics may include sensors, actuators, machine learning, lighting, and sound. Students also learn about the historical and contemporary use of interactivity in contemporary art.
PREREQUISITES: All Foundations