

2022 - 2023 Certificate Map

Media Arts and Sciences

School/College: [Herberger Institute for Design and the Arts](#)

Location: [Tempe](#)

Program Requirements

The digital culture certificate requires 18 credit hours, of which 12 are upper division.

A minimum grade of a "C" (2.00) and an overall GPA of 3.00 is required in all courses in the certificate program. Courses in the certificate program may not be used as part of a major. All upper-division certificate coursework must be taken at ASU.

Required Courses -- 6 credit hours

[AME 111: Introduction to Digital Culture \(CS\)](#) (3)

[AME 112: Computational Thinking for Digital Culture](#) or [AME 230: Programming for the Media Arts \(CS\)](#) (3)

Digital Culture Studies -- 6 credit hours

[AME 310: Media Literacies and Composition](#) (3)

[AME 320: Motion Capture for Integrative Systems](#) (3)

[AME 330: Digital-Physical Systems](#) (3)

[AME 340: Compositional and Computational Principles for Media Arts](#) (3)

[AME 394: Special Topics](#) (3)

[AME 410: Interactive Materials](#) (3)

[AME 430: Mac Development for Media Arts](#) (3)

[AME 435: Mobile Development](#) (3)

[AME 444: Media Installations](#) (3)

[AME 470: Programming for Social and Interactive Media](#) (3)

[AME 485: Digital Culture Capstone I](#) (3)

[AME 494: Animating Virtual Worlds](#) (3)

[AME 494: Special Topics](#) (3)

[ART 378: Digital Textiles](#) (3)

[FSH 394: Fashion Design & Wearable Technology](#) (3)

Digital Media - Media Arts and Design -- 6 credit hours

[AME 394: Special Topics](#) (3)

AME 494: Special Topics (3)
ART 308: 2D Digital Animation (3)
ART 346: 3-D Computer Imaging and Animation (CS) (3)
ART 348: Animation Motion Studies (3)
ART 394: Digital Photography for Non-Majors (3)
ART 438: Moving and Interactive Systems in Sculpture (3)
ART 440: Experimental Video Art (3)
ART 494: Visual Prototyping (3)
CIS 300: Web Design and Development (3)
EDT 440: Creating and Marketing Mobile Apps (3)
EEE 307: Signal Processing for Digital Culture (3)
IAP 322: Multitrack Digital Recording (3)
IAP 361: Digital Editing and Media Literacy (CS) (3)
IAP 364: Documentaries (3)
IAP 394: Motion Graphics & Animation (3)
IAP 462: Games and Play (3)
MDC 311: Composing and Performing for Hybrid Ensembles (3)

Generous substitution rules allow for course flexibility. Students receiving the digital culture certificate can petition to substitute up to six credit hours. Three credit hours can come from any course related to digital culture through courses offered by any ASU unit on any ASU campus, including the interdisciplinary arts and performance program on the West campus and the film and media studies program on the Tempe campus. Courses may include any on the list of related subjects and substitutions (shown above) or courses with comparable content. The other three substitution hours can be achieved through the following path: The three-hour media arts and design course requirement may be substituted with a three-hour course in the digital culture-related category.

Students who earn a digital culture certificate cannot earn a minor in digital culture.

Prerequisite courses may be needed in order to complete the requirements of this certificate.