

Digital Arts, Certificate

Learning Outcomes

The certificate provides the ability to:

- think about and develop works of art that use digital technology in creative ways;
- participate in critical discourse about such artistic works;
- collaborate across disciplines on artistic projects at the intersection of the physical and digital worlds; and
- use art and digital technology to identify, attract, and interact with audiences in a meaningful and creative way.

Most courses will include a public dimension, where projects are shown to a public audience.

Requirements

The undergraduate Certificate in Digital Arts requires a minimum of 25 s.h. of coursework, including at least 18 s.h. earned at the University of Iowa. Students must maintain a grade-point average of at least 2.00 in coursework for the certificate. Courses taken pass/nonpass do not count toward the certificate.

The certificate may be earned by any student admitted to the University of Iowa who is not enrolled in a UI graduate or professional degree program. Undergraduate to Graduate (U2G) students may earn the certificate when the undergraduate classification is primary.

Students should declare their intent to earn the certificate at the College of Liberal Arts and Sciences Undergraduate Programs office, at the Academic Advising Center, or on MyUI.

Students complete two core courses (6 s.h.), one Interactive Sound course (3 s.h.), one Electronics/Robotics course (4 s.h.), one capstone project (3 s.h.), and additional elective hours (9 s.h.).

They must meet with the certificate director or a digital arts advisor every semester to discuss their course selections and plan for the capstone course. The capstone project course may be taken only after both core courses have been completed.

The Certificate in Digital Arts requires the following coursework.

Requirements	Hours
Core Courses	6
Interactive Sound Course	3
Electronics/Robotics Course	4
Capstone Project	3
Elective Courses	9

Core Courses

Course #	Title	Hours
Both of these:		
DIGA:2880/ DANC:2880/ THTR:2880	Installations and Interactive Performance	3

DIGA:3895/ DANC:3895/ THTR:3895	Performance, Art, and New Technologies in Society	3
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Interactive Sound

Course #	Title	Hours
One of these:		
DIGA:2800/ ARTS:2800/ CINE:2800/CS:2800/ DANC:2800/ MUS:2800/ THTR:2800	Digital Arts: An Introduction	3
DIGA:3285/ MUS:3285	New Musical Instruments: From Design to Performance	3

Electronics/Robotics

Course #	Title	Hours
One of these:		
DIGA:3840/ SCLP:3840	Robotic Art Studio	4
DIGA:4835/ SCLP:4835	Electronic Objects and Spaces	4
DIGA:4840/ SCLP:4840	Air, Actuators, and Motors	4

Capstone Project

The capstone project must result in a work that is both artistic and digital, and it must be shared in a meaningful way with the public. It must be informally approved by the certificate director at least one semester before the work takes place. The student will then select at least one faculty member from an appropriate department as a formal advisor. The student then submits a written proposal to the certificate director and the advisor. The proposal must include a description of the work; a statement of why the student is prepared to accomplish the work; and a list of equipment, materials, space, or funding required.

Once the proposal is approved by the director and advisor, the student enrolls in an independent study in the advisor's home department with the advisor as instructor. The student meets with the advisor on a regular basis and engages other faculty and students as needed. Once the project is complete and shared publicly, the advisor evaluates the project and submits a grade.

Elective Courses

Course #	Title	Hours
Three of these:		
DIGA:2890/ DANC:2890/ THTR:2890	Producing and Directing Digital Video	3
DIGA:3876/ CINE:3876/ DANC:3876/ INTM:3876/ THTR:3876	Video for Performance	3
CINE:1834/ THTR:1834	Modes of Film and Video Production (when topic is interactive multimedia programming)	4
CS:3980	Topics in Computer Science I	3

CW:3218/ INTD:3200	Creative Writing for New Media	3
DANC:3050	Body/Image: Dance and Media in Discourse and Practice	3
ECE:3320	Introduction to Digital Design	3
ENGR:2730	Computers in Engineering	3
INTM:2710/ CINE:2869	Introduction to Intermedia	3
JMC:2020	Multimedia Storytelling	3
JMC:2030	Visual Communication and Design	3
MUS:2820	Electronic Music Production	3
MUS:3780	Audio Recording I	3
THTR:2690	Sound Excursions: The Evolving Soundscape and the Reverberations of Human Activity	3
THTR:3260	Sound Design for the Theatre	3
THTR:3270	Entertainment Design	3
THTR:3630	Special Topics in Theatre Arts (when topic is audio plays)	3

Academic Plans

Sample Plan of Study

Sample plans represent one way to complete a program of study. Actual course selection and sequence will vary and should be discussed with an academic advisor. For additional sample plans, see MyUI.

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Course	Title	Hours
Academic Career		
Any Semester		
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Courses taken pass/nonpass do not count toward the certificate.		
Hours		0
First Year		
Fall		
DIGA:2880	Installations and Interactive Performance	3
Hours		3
Spring		
DIGA:3895	Performance, Art, and New Technologies in Society	3
Hours		3

Second Year

Fall

DIGA:4835 or DIGA:3840 or DIGA:4840	Electronic Objects and Spaces or Robotic Art Studio or Air, Actuators, and Motors	4
Hours		4

Spring

DIGA:3285 or DIGA:2800	New Musical Instruments: From Design to Performance or Digital Arts: An Introduction	3
Hours		3

Third Year

Fall

Certificate: elective course ^a		3 - 4
Hours		3-4

Spring

Certificate: elective course ^a		3 - 4
Hours		3-4

Fourth Year

Fall

Certificate: elective course ^a		3 - 4
Hours		3-4

Spring

Certificate: capstone project ^b		3
Hours		3

Total Hours **25-28**

a Students must complete at least 9 s.h. of electives; see General Catalog for list of approved courses.

b Consult certificate director for specifics.