School of Arts, Technology, and Emerging Communication

Arts, Technology, and Emerging Communication with Emerging Media Arts Concentration (BA)

Students who wish to specialize in Emerging Media Arts (EMA) within the Arts, Technology, and Emerging Communication major may apply to be admitted into the EMA Concentration after consultation with their Academic Advisor. This Concentration offers students coursework in digital arts areas such as digital fabrication, projection mapping, new media art and performance, sound, time-based media, and video. EMA Concentration students will have the opportunity to engage in studio art practices with emerging media and technology. The EMA Concentration centers on building a portfolio of studio-based artwork as part of the ongoing social role that art plays in reimagining and projecting the human condition. By selecting courses from a variety of School elective headings, students are able to synthesize other areas of interest into their focus on Emerging Media Arts.

Unless otherwise noted, courses in Arts, Technology, and Emerging Communication are open to all students in the University. However, students majoring in Arts, Technology, and Emerging Communication may be given preference in certain course enrollments.

Bachelor of Arts in Arts, Technology, and Emerging Communication

Degree Requirements (120 semester credit hours)¹

View an Example of Degree Requirements by Semester

Faculty

FACG> atec-arts-technology-and-emerging-communication-ba

Professors: Anne Balsamo, Christine (xtine) Burrough, Paul Fishwick, Roger Malina, Mihai Nadin, Marilyn Waligore

Associate Professors: Olivia Banner, Heidi Cooley, Monica Evans, Eric Farrar, Todd Fechter, Kim Knight, Sean McComber, Andrew Scott, Dean Terry

Assistant Professors: Juan Llamas Rodriguez, Josef Nguyen, Wendy Sung, Christine Veras De

Souza, Hong An Wu

**Clinical Professor:** Tim Christopher

**Professors of Instruction:** Elizabeth (Lisa) Bell, Elizabeth Boyd, Paul Lester

**Associate Professors of Instruction:** Bryon Caldwell, Christopher Camacho, Casey Johnson, Mark McKinney, Harold (Chip) Wood

**Assistant Professors of Instruction:** Adam Chandler, Sharon Hewitt, Laura Imaoka, Timothy Lewis, Peter McCord, Roxanne Minnish, Christina Nielsen, Monika Salter, Elizabeth (Liz) Trosper

**Professor of Practice:** Norman Cox

**Associate Professors of Practice:** Fengjie (Nelson) Lim

**Assistant Professors of Practice:** Harold Fitzgerald, David Marks, Kara Oropallo

I. Core Curriculum Requirements: 42 semester credit hours

**Communication: 6 semester credit hours**

- [RHET 1302](#) Rhetoric

  Or select any 6 semester credit hours from [Communication Core](#) courses

**Mathematics: 3 semester credit hours**

  Select any 3 semester credit hours from [Mathematics Core](#) courses

**Life and Physical Sciences: 6 semester credit hours**

  Select any 6 semester credit hours from [Life and Physical Sciences Core](#) courses

**Language, Philosophy and Culture: 3 semester credit hours**

  Select any 3 semester credit hours from [Language, Philosophy and Culture Core](#) courses

**Creative Arts: 3 semester credit hours**

  Select any 3 semester credit hours from [Creative Arts Core](#) courses

**American History: 6 semester credit hours**

  Select any 3 semester credit hours from [American History Core](#) courses

**Government/Political Science: 6 semester credit hours**
GOVT 2305 American National Government

GOVT 2306 State and Local Government

Or select any 6 semester credit hours from Government/Political Science Core courses (see advisor)

Social and Behavioral Sciences: 3 semester credit hours

Select any 3 semester credit hours from Social and Behavioral Sciences Core courses

Component Area Option: 6 semester credit hours

Select any 6 semester credit hours from Component Area Option Core courses

II. Major Requirements, Lower-Division: 24 semester credit hours

Foundations

ATCM 2300 Introduction to TechnoCulture

ATCM 2301 Digital Art and Design Foundations

ATCM 2302 Design I

CS 1335 Computer Science I for Non-majors

Fundamentals

Choose two courses from the following:

ATCM 2340 Visual Communication

ATCM 2345 Principles of Digital Audio

ATCM 2350 Time-Based Media

ATCM 2355 Survey of Digital Fabrication

Choose one course from the following:

ATCM 2322 Media Histories

ATCM 2343 Emerging Media Art Histories

III. Major Requirements, Upper-Division: 24 semester credit hours

ATCM 3301 Writing for ATEC
ATCM 4384 Ethics in New Media, Technology, and Communication

Choose three courses from the following:

  ATCM 3345 Audio Technologies
  ATCM 3346 Audio Productions Lab I
  ATCM 3350 Digital Video Production I
  ATCM 3355 Computer Modeling for Digital Fabrication
  ATCM 3356 Projection Mapping Lab
  ATCM 3357 Digital Fabrication Lab I

Choose two courses from the following:

  ATCM 4330 Culture Jamming
  ATCM 4346 Audio Productions Lab II
  ATCM 4350 Digital Video Production II
  ATCM 4351 New Media Performance
  ATCM 4357 Digital Fabrication Lab II

Choose one from the following:

  ATCM 4397 Senior Seminar
  ATCM 4398 Capstone Project
  ATCM 4399 Senior Honors in Arts, Technology, and Emerging Communication

IV. Elective Requirements: 30 semester credit hours

  Prescribed Electives: 15 semester credit hours

  At least two prescribed electives must be at the 4000-level.

  ATCM 3303 Project Management for Arts, Technology, and Emerging Communication II
  ATCM 3305 Computer Animation I
  ATCM 3306 Modeling and Texturing I
ATCM 3315  Animation Studies
ATCM 3320  Critical Media Theories
ATCM 3331  Critical Making
ATCM 3336  Design Research Methods
ATCM 3338  Motion Graphics I
ATCM 3346  Audio Productions Lab I
ATCM 3350  Digital Video Production I
ATCM 3355  Computer Modeling for Digital Fabrication
ATCM 3356  Projection Mapping Lab
ATCM 3357  Digital Fabrication Lab I
ATCM 3365  Game Design I
ATCM 3366  Game Studies I
ATCM 3370  Virtual Environments I
ATCM 3372  Sound Design for Games
ATCM 4326  Mediated Textuality
ATCM 4330  Culture Jamming
ATCM 4338  Motion Graphics II
ATCM 4339  Motion Graphics Lab
ATCM 4345  Digital Audio Processing
ATCM 4350  Digital Video Production II
ATCM 4351  New Media Performance
ATCM 4357  Digital Fabrication Lab II
ATCM 4363  Topics in Emerging Media Art
ATCM 4364  Topics in Design
ARTS 3377 Photography: Altered Image
ARTS 3379 Photography: New Media
ARTS 4372 Advanced Photography
ARTS 4305 The Art of Graphic Design

Free Electives: 15 semester credit hours

Both upper- and lower-division courses may be used as electives, but students must complete at least 51 semester credit hours of upper-division courses to qualify for graduation.

1. Incoming freshmen must enroll and complete requirements of UNIV 1010 and the corresponding school-related freshman seminar course. Students, including transfer students, who complete their core curriculum at UT Dallas must take UNIV 2020.

2. Curriculum Requirements can be fulfilled by other approved courses from institutions of higher education. The courses listed are recommended as the most efficient way to satisfy both Core Curriculum and Major Requirements at UT Dallas.

3. Students who are ATEC/CS double degree or who plan to minor in CS must enroll in CS 1336 and CS 1136 and/or CS 1337 (if placed out of CS 1336 and CS 1136).

4. Course requires additional lower-level prerequisites that will count as free electives.

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