School of Arts, Technology, and Emerging Communication

Arts, Technology, and Emerging Communication (BA)

This general degree plan emphasizes the breadth of the School's interdisciplinary programs, which allows students to explore early courses across the curriculum. This offers students an opportunity to explore the School's foundation courses in which they will develop the experience and materials needed before choosing whether to apply to specialize in a concentration with greater depth in Animation and Games or Critical Media Studies.

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

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

Associate Professors: Heidi Cooley, Monica Evans, Eric Farrar, Todd Fechter, Midori Kitagawa, Kim Knight, Maximilian Schich, Andrew Scott, Dean Terry

Assistant Professors: Olivia Banner, Juan Llamas Rodriguez, Sean McComber, Josef Nguyen, Wendy Sung, Hong An Wu

Clinical Professors: Elizabeth (Lisa) Bell, Tim Christopher, Paul Lester

Clinical Associate Professor: Harold (Chip) Wood

Associate Professors of Practice: Bryon Caldwell, Nelson Lim

Senior Lecturers: Elizabeth Boyd, Christopher Camacho, Adam Chandler, Harold Fitzgerald, Sharon Hewitt, Laura Imaoka, Casey Johnson, Timothy Lewis, David Marks, Peter McCord, Roxanne Minnish,
I. Core Curriculum Requirements: 42 semester credit hours

Communication: 6 semester credit hours

COMM 1311 Survey of Oral and Technology-based Communication

RHET 1302 Rhetoric

Mathematics: 3 semester credit hours

Choose one course from the following:

MATH 1306 College Algebra for the Non-Scientist

MATH 1314 College Algebra

Or 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

Choose one course from the following:

HUMA 1301 Exploration of the Humanities

LIT 2331 Introduction to World Literature

PHIL 1301 Introduction to Philosophy

PHIL 2316 History of Philosophy I

PHIL 2317 History of Philosophy II

Or select any 3 semester credit hours from Language, Philosophy and Culture Core courses

Creative Arts: 3 semester credit hours

Choose one course from the following:

ARTS 1301 Exploration of the Arts

AHST 1303 Survey of Western Art History: Ancient to Medieval

AHST 1304 Survey of Western Art History: Renaissance to Modern

AHST 2331 Understanding Art

DANC 1310 Understanding Dance

THEA 1310 Understanding Theatre
American History: 6 semester credit hours

Choose two courses from the following:

- **HIST 1301** U.S. History Survey to Civil War
- **HIST 1302** U.S. History Survey from Civil War
- **HIST 2301** History of Texas
- **HIST 2330** Themes and Ideas in American History

Government/Political Science: 6 semester credit hours

- **GOVT 2305** American National Government
- **GOVT 2306** State and Local Government

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

Choose two courses from the following or other Component Area Option

- **ARHM 2340** Creativity
- **ARHM 2342** Connections in the Arts and Humanities
- **ARHM 2343** Science and the Humanities
- **ARHM 2344** World Cultures

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

Foundations

- **ATCM 2300** Introduction to TechnoCulture
- **ATCM 2301** Computer Imaging
- **ATCM 2302** Design I
- **CS 1335** Computer Science I for Non-majors

Fundamentals

Choose three courses from across both groups:
Group A

ATCM 2330 Digital Art and Social Practice
ATCM 2321 Reading Media Critically
ATCM 2350 Time-Based Media

Group B

ATCM 2303 Project Management for Arts, Technology, and Emerging Communication I
ATCM 2310 Animation and Game Fundamentals
ATCM 2320 Critical Media Research Foundations
ATCM 2345 Principles of Digital Audio
ATCM 2355 Survey of Digital Fabrication

Choose one from the following:

ATCM 2315 Animation Origins and Techniques
ATCM 2322 Media Histories
ATCM 2343 Emerging Media Art Histories
ATCM 2360 Design Histories
ATCM 2375 History of Games

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

ATCM 3301 Digital Content Design
ATCM 4384 Ethics in New Media, Technology, and Communication

Choose five course from at least two areas:

Animation and Games

ATCM 3305 Computer Animation I
ATCM 3306 Modeling and Texturing I
ATCM 3307 Lighting & Composition I
ATCM 3308 Rigging I
ATCM 3365 Game Design I
ATCM 3367 Level Design I

Critical Media Studies
ATCM 3315 Animation Studies
ATCM 3320 Critical Media Theories
ATCM 3321 Networked Identities
ATCM 3325 Global Media Cultures
ATCM 3366 Game Studies I

Design
ATCM 3336 Design Research Methods
ATCM 3337 Interaction Design I
ATCM 3338 Motion Graphics I

Emerging Media Art
ATCM 3346 Audio Production Lab I
ATCM 3350 Digital Video Production I
ATCM 3355 Computer Modeling for Digital Fabrication
ATCM 4326 Mediated Textuality
ATCM 4330 Culture Jamming

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

Choose any five courses from the following. At least two courses must be at the 4000-level, and the courses must come from at least two of the categories.

Animation and Games
ATCM 3303 Project Management for ATEC II
ATCM 3305 Computer Animation I
ATCM 3306 Modeling and Texturing I
ATCM 3307 Lighting and Composition I
ATCM 3308 Rigging I
ATCM 3310 Procedural Animation
ATCM 3312 Surfacing and Shading I
ATCM 3315 Animation Studies
ATCM 3365 Game Design I
ATCM 3366 Game Studies I
ATCM 3367 Level Design I
ATCM 3368 Scripting for Games I
ATCM 3369 Games and Narrative I
ATCM 3370 Virtual Environments I
ATCM 4310 Motion Capture Animation
ATCM 4366 Game Studies II

Critical Media Studies

ATCM 3320 Critical Media Theories
ATCM 3321 Networked Identities
ATCM 3325 Global Media Cultures
ATCM 3331 Critical Making
ATCM 4320 Political Economy of Digital Media
ATCM 4322 Disability, Technology, and Media
ATCM 4323 Feminism, Technology, and Media
ATCM 4325 Race, Technology, and Media
ATCM 4326 Mediated Textuality
ATCM 4327 Privacy and Surveillance
ATCM 4330 Culture Jamming

Design

ATCM 3336 Design Research Methods
ATCM 3337 Interaction Design I
ATCM 3338 Motion Graphics I
ATCM 4337 Interaction Design II
ATCM 4338 Motion Graphics II
ATCM 4340 Strategic Design
ATCM 4364  Topics in Design and Production
CS 4352  Human Computer Interactions I
CS 4353  Human Computer Interactions II

**Emerging Communication**

ATCM 3338  Motion Graphics I
ATCM 3382  Communicating Research
ATCM 3388  Attitudes and Behaviors
ATCM 4326  Mediated Textuality
ATCM 4330  Culture Jamming
ATCM 4386  Journalism in the Networked Age

**Emerging Media Art**

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
ATCM 4330  Culture Jamming
ATCM 4345  Digital Audio Processing
ATCM 4346  Audio Productions Lab II
ATCM 4350  Digital Video Production II
ATCM 4357  Digital Fabrication Lab II
ATCM 4364  Topics in Design and Production
ARTS 3371  Photography: Black and White
ARTS 3372  Photography: Color Concepts
ARTS 3377  Photography: Altered Image
ARTS 3379  Photography: New Media
ARTS 4372  Advanced Photography

**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).

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