School of Arts, Technology, and Emerging Communication

Arts, Technology, and Emerging Communication with Gaming (BA)

Students who complete the major in Arts, Technology, and Emerging Communication receive a thorough grounding in the mutually productive interaction of technology with the arts, with specific emphasis on the interplay of visual art, music, and narrative with the new modes of expression and communication that have emerged from the convergence of computing and media technologies. The program stresses not only the creation but also the potential applications and cultural implications of interactive media. A student majoring in Arts, Technology, and Emerging Communication will be required to channel selected coursework according to individual needs and specialities. Particular attention should be given to the Prescribed Electives for the major, and close consultation with academic advisors is recommended. By selecting courses from a variety of the remaining elective headings, students are able to combine courses in technology and fine arts with coursework in literary criticism and interpretation, creative writing and translation, and linguistics and languages.

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 with Gaming

Degree Requirements (120 semester credit hours)

Faculty

Professors: Anne Balsamo, Frank Dufour, Paul Fishwick, Roger Malina, Mihai Nadin
Clinical Professors: Elizabeth (Lisa) Bell, Michael Breault, Tim Christopher, Carie King, Paul Lester
Associate Professors: Christine (xtine) Burrough, Monica Evans, Eric Farrar, Todd Fechter, Rosanna Guadagno, Midori Kitagawa, Kim Knight, Maximilian Schich, Andrew Scott, Dean Terry
Clinical Associate Professors: Cassini Nazir, Derek Royal, Harold (Chip) Wood
Assistant Professors: Olivia Banner, Kristin Drogos, Phillip Hall, Casey Johnson, Angela M. Lee, Sean McComber, Ryan McMahan, Josef Nguyen
Clinical Assistant Professors: Janet Johnson, Jillian Round, Michael Stephens
Senior Lecturers: Elizabeth Boyd, Christopher Camacho, Filip Celander, Melissa Hernandez-Katz, Christina Nielsen, Barbara Vance

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** Masterpieces of 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
FILM 2332 Understanding Film
MUSI 1306 Understanding Music

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
   HIST 2332 Civil War and Reconstruction

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
   ARTS 1316 Drawing Foundations
   ATCM 2300 Introduction to Technoculture
   ATCM 2365 Game Design Fundamentals
   ATCM 2303 Project Management for Arts and Technology I
   ATCM 2301 Computer Imaging
**ATCM 2302** Design I  
**CS 1335** Computer Science I for Non-majors  
**CS 2335** Computer Science II for Non-majors

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

- **ATCM 3301** Digital Content Design  
- **ATCM 3365** Game Design I  
- **ATCM 3366** Game Studies I  
- **ATCM 4365** Game Design II  
- **CS 3360** Computer Graphics for Artists and Designers  
  - or **ATCM 3311** Tools Development for Arts, Technology, and Emerging Communication  
  - or **CS 4352** Human Computer Interaction I  

Any 3000- or 4000-level Art History (AHST) course  
- or **THEA 3323** Drama in Historical Context  
- or **FILM 3321** Film in Historical Context  
- or **MUSI 3322** Music in Historical Context  
- **PHIL 3309** Philosophy of Technology  
  - or **HIST 3337** Technology and Western Civilization  
  - or **HIST 3374** American Technological Development  
  - or **LIT 3316** The Literature of Science Fiction  
  - or **LIT 3317** The Literature of Fantasy  
  - or **LIT 3334** Literature of Science  
- **ATCM 4398** Capstone Project  
  - or **ATCM 4397** Senior Seminar

### IV. Elective Requirements: 30 semester credit hours

**Prescribed Electives: 15 semester credit hours**

Choose any five courses from the following: (At least 2 must be 4000 level)

- **ATCM 3311** Tools Development for Arts, Technology, and Emerging Communication  
- **ATCM 3304** Character Design
ATCM 3371 User Experience Design for Games
ATCM 3372 Sound Design for Animation and Games
ATCM 3368 Scripting for Games I
ATCM 3369 Games and Narrative I
ATCM 3367 Level Design I
ATCM 3370 Virtual Environments
ATCM 3340 Design II
ATCM 3376 History of Games
ATCM 3375 Game Systems Design
ATCM 4304 World Building
ATCM 4376 Game Production Lab I
ATCM 4367 Level Design II
ATCM 4379 Topics in Games
ATCM 4368 Scripting for Games II

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 Programming Fundamentals and CS 1136 Computer Science Laboratory and/or CS 1337 Computer Science I (if placed out of CS 1336 and CS 1136).

4. Students who are ATEC/CS double degree or who plan to minor in CS must enroll in CS 2336 Computer Science II.

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