School of Arts, Technology, and Emerging Communication

Arts, Technology, and Emerging Communication with Games Pathway (BA)

Students who wish to specialize in Games within the Arts, Technology, and Emerging Communication major may apply to be admitted into the Games Pathway. This pathway provides a thorough grounding in the development and creation of games in their various forms, including educational games, real-time entertainment, and social gaming. Students are eligible to apply to the Games Pathway during their third semester within the School. Admission to the Games Pathway requires a portfolio submission including course work examples, a writing component, and any other materials deemed appropriate. Pathway acceptance is determined by a Games faculty jury. If accepted, Games Pathway students will have the opportunity to work in a studio environment, explore narrative and game mechanics, and learn project development and management practices. The Games Pathway examines the potential of games in diverse areas such as entertainment, education, and visualization. Close consultation with academic advisors is recommended. By selecting courses from a variety of School elective headings, students are able to infuse other areas of interest into their study of Games.

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 Games Pathway

**Degree Requirements** (120 semester credit hours)

**Faculty**

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

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

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

**Clinical Associate Professors:** Cassini Nazir, Harold (Chip) Wood

**Assistant Professors:** Olivia Banner, Casey Johnson, Angela M. Lee, Juan Llamas Rodriguez, Sean McComber, Josef Nguyen, Wendy Sung, Hong An Wu
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
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

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

ATCM 2300  Introduction to Technoculture
ATCM 2301  Computer Imaging
ATCM 2302  Design I
ATCM 2303  Project Management for Arts, Technology, and Emerging Communication I
ATCM 2365  Game Design Fundamentals
ARTS 1316  Drawing Foundations
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 Performance in Historical Context
  or FILM 3321 Film in Historical Context
  or MUSI 3322 Music in Historical Context
  or MUSI 3324 Jazz History: Roots to Swing
  or MUSI 3325 Jazz History: Modern Jazz since BeBop
  or MUSI 3327 Music in Modern Culture

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 3340  Design II
ATCM 3367  Level Design I
ATCM 3368  Scripting for Games I
ATCM 3369  Games and Narrative I
ATCM 3370  Virtual Environments I
ATCM 3371  User Experience Design for Games
ATCM 3372  Sound Design for Games
ATCM 3375  Game Systems Design
ATCM 3376  History of Games
ATCM 4367  Level Design II
ATCM 4368  Scripting for Games II
ATCM 4370  Virtual Environments II
ATCM 4373  Animation for Games
ATCM 4375  Game Design III
ATCM 4376  Game Production Lab I
ATCM 4379  Topics in Games
ARTS 3371  Photography: Black/White
ARTS 3372  Photography: Color Concepts
ARTS 3377  Photography: Altered Image
ARTS 3379  Photography: New Media

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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