School of Arts and Humanities

Arts and Technology (B.A.)

Students who complete the major in Arts and Technology 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 and Technology will be required to channel selected coursework according to individual needs and specialties. 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 course work in literary criticism and interpretation, creative writing and translation, and linguistics and languages.

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

Bachelor of Arts in Arts and Technology

Degree Requirements (120 hours)

I. Core Curriculum Requirements\(^1\): 42 hours

Communication (6 hours)

3 hours Communication (RHET 1302)

3 hours Communication Elective (ATEC 3320 or ATEC 3325)

Social and Behavioral Sciences (15 hours)

6 hours Government (GOVT 2301 and GOVT 2302)

6 hours American History

3 hours Social and Behavioral Science Elective

Humanities and Fine Arts (6 hours)

3 hours Fine Arts (FILM 2332)

3 hours Humanities (HUMA 1301)
Mathematics and Quantitative Reasoning (6 hours)

3 hours College Math (MATH 1314)
3 hours Quantitative Mathematics (STAT 1342)

Science (9 hours including at least one course with a substantial laboratory component)

II. Major Requirements, Lower Division: 21 hours

ARTS 1316  Drawing Foundations
ARTS 2380  2D Design Foundations
ATEC 2320  Introductory Topics in Arts and Technology
  or ATEC 2326  Computer Animation Processes
ATEC 2382  Computer Imaging
ATEC 2384  Basic Design Principles and Practices
CS 1335  Computer Science I for Non-majors²
CS 2335  Computer Science II for Non-Majors³

III. Major Requirements, Upper Division: 24 hours

Major Core Courses

ATEC 3320  Information Usability and Design
  or ATEC 3325  Introduction to Computer Mediated Communication
ARTS 3371  Black and White Photography
  or ARTS 3372  Color Photography
  or ARTS 3377  Digital Photography
  or ARTS 3379  Photography and New Media
ATEC 3317  Modeling and Texturing I
  or ATEC 3351  Game Development
  or ATEC 3310  Audio Technologies
ATEC 4340  Project Management for Arts and Technology
ATEC 4V80  Capstone Project
CS 3360  Computer Graphics for Artists and Designers
HIST 3337  Technology and Western Civilization

https://catalog.utdallas.edu/2012/undergraduate/programs/ah/arts-and-technology
or HIST 3374 American Technological Development
or HIST 3332 History of the Electronic Age
or PHIL 4310 Philosophy of Technology
LIT 3334 Literature of Science
or LIT 3311 The Literature of Science Fiction and Fantasy
or HIST 3328 History and Philosophy of Science and Medicine

IV. Elective Requirements: 33 hours

Prescribed Electives (15 hours)

Any five of the following:

AHST 3318 Contemporary Art
ATEC 3315 Motion Graphics
ATEC 3318 Concept Development
ATEC 3319 Voice Over
ATEC 3326 Emerging Media Production
ATEC 3327 Lighting and Composition I
ATEC 3328 Rigging I
ATEC 3330 Digital Video Production I
ATEC 3331 Sound Design for Film
ATEC 3351 Game Development
ATEC 3352 Game Design
ATEC 3353 Game Studies
ATEC 3354 Sound Design for Games
ATEC 3361 Internet Studio I
ATEC 3363 Basic Interaction Design
ATEC 3365 Virtual Environments
ATEC 4310 Digital Audio Processing
ATEC 4326 Advanced Emerging Media Production
ATEC 4328 Rigging II
ATEC 4330 Digital Video Production II
**ATEC 4337** Computer Animation

**ATEC 4339** Special Effects

**ATEC 4345** Motion Capture Animation

**ATEC 4346** Story-Telling for New Media

**ATEC 4347** Advanced Design

**ATEC 4348** Modeling and Texturing II

**ATEC 4349** Lighting and Composition II

**ATEC 4350** Game Production Lab

**ATEC 4351** Animation Studio I

**ATEC 4352** Animation Studio II

**ATEC 4357** Advanced Digital Arts

**ATEC 4351** Internet Studio II

**ATEC 4365** Level Design and Scripting

**ATEC 4367** Advanced Game Development

**ATEC 4368** Advanced Game Design

**ATEC 4370** Topics in Arts and Technology

**ATEC 4371** Topics in Animation

**ATEC 4373** Topics in Game Development

**ATEC 4374** Topics in Digital Design

**ATEC 4375** Topics in Sound Design

**MUSI 3389** Digital Music II

**Advanced Electives (6 hours)**

Students are required to take at least six hours of advanced electives outside their major field of study. These must be either upper-division classes or lower-division courses that have prerequisites.

**Free Electives (12 hours)**

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

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

2. Students who are ATEC/CS double majors or who plan to minor in CS must enroll in CS 1337 Computer Science I

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

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