School of Arts, Technology, and Emerging Communication

Arts and Technology with Animation Concentration (BA)

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 coursework 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 with Animation Concentration

Degree Requirements (120 semester credit hours)

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
- DRAM 1310  Understanding Theater
- FILM 2332  Understanding Film (Recommended)
- 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 2341 Global Media
ARHM 2342 Connections in the Arts and Humanities
ARHM 2343 Science and the Humanities
ARHM 2344 World Cultures

II. Major Requirements, Lower-Division: 21 semester credit hours

ARTS 1316 Drawing Foundations
ARTS 2380 2D Design Foundations
ATEC 2326 Computer Animation Processes
ATEC 2382 Computer Imaging
ATEC 2384 Basic Design Principles and Practices
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

Major Core Courses

ARTS 3371 Photography: Black/White
or ARTS 3372 Photography: Color
or ARTS 3377 Photography: Altered Image
or ARTS 3379 Photography: New Media
ATEC 3320 Digital Content Design and Usability
or ATEC 3325 Introduction to Computer Mediated Communication
ATEC 3317 Modeling and Texturing I
or ATEC 3327 Lighting and Composition I
or ATEC 3328 Rigging I
or ATEC 3336 Computer Animation I
ATEC 4340 Project Management for Arts and Technology
ATEC 4380 Capstone Project
CS 3360 Computer Graphics for Artists and Designers
HIST 3337 Technology and Western Civilization
or HIST 3374 American Technological Development
or **HIST 3332** History of the Electronic Age

**LIT 3334** Literature of Science

or **LIT 3316** The Literature of Science Fiction

or **LIT 3317** The Literature of Fantasy

or **HIST 3328** History and Philosophy of Science and Medicine

### IV. Elective Requirements: 33 semester credit hours

**Prescribed Electives: 15 semester credit hours**

Choose any five courses from the following: at least 2 must be 4000 level

- **ATEC 3317** Modeling and Texturing I
- **ATEC 3327** Lighting and Composition I
- **ATEC 3328** Rigging I
- **ATEC 3336** Computer Animation I
- **ATEC 3318** Pre-Production Design
- **ATEC 4322** Digital Sculpting
- **ATEC 4328** Rigging II
- **ATEC 4336** Computer Animation II
- **ATEC 4348** Modeling and Texturing II
- **ATEC 4349** Lighting and Composition II
- **ATEC 4356** Computer Animation III
- **ATEC 4351** Animation Studio I
- **ATEC 4352** Animation Studio II
- **ATEC 4322** Digital Sculpting
- **ATEC 4371** Topics in Animation

**Free Electives: 18 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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