

2016-2017 Degree Map-Bachelor of Science in Computer Science Education

This map is a term-by-term sample course schedule. The milestones listed to the right of each term are designed to keep you on course to graduate in four years. The Sample Schedule serves as a general guideline to help you build a full schedule each term. See course descriptions and prerequisites at <http://www.atu.edu/academics/catalog/>.

Possible careers include: Computer Science Teacher

#Remedial Courses (if applicable): ENGL 0303 ___ ENGL 0404 ___ READ 0103 ___ MATH 0903 ___

| Sample Schedule | Milestones/Notes | |
|---|------------------|--------------|
| Semester 1 | Hrs. | Grade |
| ENGL 1013- Comp I (ACTS=ENGL 1013) | 3 | # |
| MATH 1113- College Algebra (ACTS= MATH 1103) | 3 | # |
| TECH 1001- Orientation to the University | 1 | |
| COMS 1333- Web Publishing I | 3 | # |
| COMS 1403- Orientation to Computing, Info, & Tech | 3 | # |
| COMS 1411- Computer and Information Science Lab | 1 | # |
| Total hours | 14 | GPA |

| Sample Schedule | Milestones/Notes | |
|--|------------------|--------------|
| Semester 2 | Hrs. | Grade |
| ENGL 1023- Comp II (ACTS= ENGL 1023) | 3 | # |
| Social Sciences | 3 | |
| Fine Arts & Humanities | 3 | |
| COMS 2104- Foundations of Computer Programming I | 4 | # |
| COMS 2703/2700- Networks and Architecture/LAB | 3 | # |
| Total hours | 16 | GPA |

| Sample Schedule | Milestones/Notes | |
|--|------------------|--------------|
| Semester 3 | Hrs. | Grade |
| SEED 2002- Education as a Profession | 2 | # |
| COMM 2173- Business and Professional Speaking | 3 | # |
| COMS 2203- Foundations of Computer Programming II | 3 | # |
| COMS 2903-Discrete Structures for Technical Majors | 3 | # |
| Science with Lab | 4 | |
| Total hours | 15 | GPA |

| Sample Schedule | Milestones/Notes | |
|----------------------------|------------------|--------------|
| Semester 4 | Hrs. | Grade |
| Social Sciences | 3 | |
| U.S. History/Government | 3 | |
| Science with Lab | 4 | |
| COMS 2213- Data Structures | 3 | # |
| Elective | 3 | |
| Total hours | 16 | GPA |

The Arkansas Course Transfer System (ACTS) is designed to assist in planning the academic progress of students. This system contains information about the transferability of courses within Arkansas public colleges and universities. The Arkansas Course Transfer System can be accessed at <http://acts.adhe.edu/>

| Fine Arts and Humanities | U.S. History & Government |
|--|---|
| ART 2123 Experiencing Art (ACTS=ARTA1003) | HIST 1903 Survey of American History |
| MUS 2003 Introduction to Music (ACTS=MUSC1003) | HIST 2003 United States History to 1877 (ACTS=HIST2113) |
| TH 2273 Introduction to Theatre (ACTS=DRAM 1003) | HIST 2043 Honors United States History to 1877 |
| ENGL 2173 Introduction to Film | HIST 2013 United States History from 1877 (ACTS=HIST2123) |
| JOUR 2173 Introduction to Film | POLS 2003 American Government (ACTS=PLSC2003) |
| ENGL 2003 Introduction to World Literature (ACTS=ENGL2113) | Speech Courses |
| ENGL 2013 Intro. to American Literature (ACTS=ENGL2653) | SPH 1003 Intro. to Speech Com. (ACTS=SPCH1003) |
| ENGL 2023 Honors World Literature | SPH 2003 Public Speaking |
| PHIL 2003 Introduction to Philosophy (ACTS=PHIL1103) | SPH 2173 Business and Professional Speaking |
| PHIL 2043 Honors Introduction to Philosophy | |

Prerequisites: COMS 1003(ACTS=CPS11003) ___

| Sample Schedule | Milestones/Notes | |
|---|------------------|--------------|
| Semester 5 | Hrs. | Grade |
| SEED 3552- Child and Adolescent Development | 2 | # |
| SEED 3702- Introduction to Educational Technology | 2 | # |
| COMS 3053- Implications of Technology on Society | 3 | # |
| COMS 3233- Database Design and Implementation | 3 | # |
| COMS 3903- Systems Software and Architecture | 3 | # |
| Elective | 3 | |
| Total hours | 16 | GPA |

| Sample Schedule | Milestones/Notes | |
|---|------------------|--------------|
| Semester 6 | Hrs. | Grade |
| Fine Arts & Humanities | 3 | |
| SEED 4052- Educating Diverse and Exceptional Learners | 2 | # |
| COMS 3243- Data Mining | 3 | # |
| COMS 3413- App Development | 3 | # |
| Elective | 4 | |
| Total hours | 15 | GPA |

| Sample Schedule | Milestones/Notes | |
|--|------------------|--------------|
| Semester 7 | Hrs. | Grade |
| SEED 4556- Classroom Application of Educational Psychology | 6 | # |
| COMS 4033- Systems Analysis and Design I | 3 | # |
| COMS 4813- Teaching Methods in Computer Science Ed | 3 | # |
| Elective | 3 | |
| Total hours | 15 | GPA |

| Sample Schedule | Milestones/Notes | |
|--|------------------|--------------|
| Semester 8 | Hrs. | Grade |
| SEED 4503- Seminar in Secondary Education | 3 | # |
| SEED 4809- Teaching in Elementary and Secondary School | 9 | # |
| COMS 4801- Special Methods in Computer Science Ed | 1 | # |
| Total Hours | 13 | GPA |

General Electives: 13 hours

indicates a "C" or better is required

| General Electives | Social Sciences |
|---|---|
| HIST 1503 World Civilization to 1500 (ACTS=HIST1113) | ECON 2013 Principles of Economics II (ACTS=ECON2203) |
| HIST 1513 World Civilization since 1500 (ACTS=HIST1123) | SOC 1003 Introductory Sociology (ACTS=SOC1013) |
| HIST 1543 Honors World Civilization to 1500 | PSY 2003 General Psychology (ACTS=PSYC1103) |
| HIST 2003 U.S. History to 1877 (ACTS=HIST2113) | ANTH 1213 Intro. to Anthropology (ACTS=ANTH1013) |
| HIST 2013 U.S. History since 1877 (ACTS=HIST2123) | ANTH 2003 Cultural Anthropology (ACTS=ANTH2013) |
| HIST 2043 Honors U.S. History to 1877 | GEOG 2013 Regional Geography of the World (ACTS=GEOG2103) |
| HIST 1903 Survey of American History | AMST 2003 American Studies |
| POLS 2003 American Government (ACTS=PLSC2003) | |
| ECON 2003 Principles of Economics I (ACTS=ECON2103) | |
| ECON 2103 Honors Principles of Economics I | |

Graduation Requirements:
 Min. hours required:120
 2.70+ GPA

MUST BE ADMITTED TO INTERNSHIP