

2015-2016 Degree Map-Bachelor of Science in Information Technology

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 and Information Systems Manager, Computer Systems Analyst, IT Administrator, Webmaster

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

Sample Schedule

| Semester 1 | Hrs. | Grade | Milestones/Notes | Semester 1 |
|--|-----------|------------|---|------------|
| ENGL 1013-Comp I (ACTS=ENGL 1013) | 3 | # | | |
| Science with Lab | 4 | | PHSC 1013/1021 (ACTS=PHSC 1004) required for AAS-IT | |
| TECH 1001-Orientation to the University | 1 | | | |
| MATH 2243- Calculus for Business (ACTS= MATH 2203) | 3 | # | Prereq: MATH ACT 22 > Milestone | |
| COMS 1403- Orientation to Computing, Info, & Tech | 3 | | Milestone | |
| COMS 1411- Computer and Information Science Lab | 1 | | | |
| Total hours | 15 | GPA | | |

| Semester 2 | Hrs. | Grade | Milestones/Notes | Semester 2 |
|--|-----------|------------|--------------------------|------------|
| ENGL 1023- Comp II (ACTS= ENGL 1023) | 3 | # | | |
| SPH 2173- Business and Professional Speaking | 3 | | No substitutions allowed | |
| Social Sciences | 3 | | | |
| COMS 1333- Web Publishing I | 3 | | | |
| COMS 2104- Foundations of Computer Prog. I | 4 | # | Milestone | |
| Total hours | 16 | GPA | | |

| Semester 3 | Hrs. | Grade | Milestones/Notes | Semester 3 |
|---|-----------|------------|------------------|------------|
| ENGL 2053-Technical Writing (ACTS=ENGL 2023) | 3 | | | |
| COMS 2203- Foundations of Computer Prog II | 3 | | Milestone | |
| COMS 2333- Web Publishing II | 3 | | | |
| COMS 2903-Discrete Structures | 3 | | Milestone | |
| COMS 2703/2700- Networks and Architecture/LAB | 3 | | | |
| Total hours | 15 | GPA | | |

| Semester 4 | Hrs. | Grade | Milestones/Notes | Semester 4 |
|---|-----------|------------|------------------------------|------------|
| BUAD 2053- Business Statistics (ACTS=BUSI 2103) | 3 | | | |
| COMS 2003- Microcomputer Applications | 3 | | Prereq: COMS 1003 | |
| COMS 2213- Data Structures | 3 | | Milestone | |
| COMS 2713- Survey of Operating Systems | 3 | | | |
| COMS 2733- Intro to Computer Forensics and Security | 3 | | | |
| Total hours | 15 | GPA | COMS ADVISOR ASSIGNED | |

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=ARTA 1003) | HIST 1903 Survey of American History |
| MUS 2003 Intro to Music (ACTS=MUSC 1003) | HIST 2003 United States History to 1877 (ACTS=HIST2113) |
| TH 2273 Intro to Theatre (ACTS=DRAM 1003) | HIST 2043 Honors United States History to 1877 |
| ENGL 2173 Intro to Film | HIST 2013 United States History from 1877 (ACTS=HIST2123) |
| JOUR 2173 Intro to Film | POLS 2003 American Government (ACTS=PLSC2003) |
| ENGL 2003 Intro to World Literature (ACTS=ENGL 2113) | Science with Lab |
| ENGL 2013 Intro to American Literature (ACTS=ENGL 2653) | BIOL 1014- Intro. to Biological Science (ACTS= BIOL1004) |
| ENGL 2023 Honors World Literature | BIOL/PHSC 1004- Principles of Environmental Science |
| PHIL 2003 Intro to Philosophy (ACTS=PHIL 1103) | GEOL 1014- Physical Geology (ACTS= GEOL 1114) |
| PHIL 2043 Honors Introduction to Philosophy | PHSC 1013/1021- Physical Sci/Lab (ACTS= PHSC 1004) |

Prerequisites (if applicable): MATH 1113 (ACTS=MATH1103) ____, COMS 1003 (ACTS=CPSI1003) ____

Sample Schedule

| Semester 5 | Hrs. | Grade | Milestones/Notes | Semester 5 |
|---|-----------|------------|------------------|------------|
| Fine Arts & Humanities | 3 | | | |
| U.S. History/Government | 3 | | | |
| COMS 3233- Database Design and Implementation | 3 | | | |
| COMS 3903- Systems Software and Architecture | 3 | | | |
| COMS 4313- Server Administration | 3 | | | |
| Total hours | 15 | GPA | | |

| Semester 6 | Hrs. | Grade | Milestones/Notes | Semester 6 |
|--|-----------|------------|-----------------------------|------------|
| Science with Lab | 4 | | | |
| COMS 2163- Scripting Languages | 3 | | | |
| COMS 3523- Human Factors in IT | 3 | | | |
| COMS 4703/4700- Data Comms. and Networks/LAB | 3 | | | |
| General Elective (3000-4000 level) | 1 | | | |
| Total hours | 14 | GPA | APPLY FOR GRADUATION | |

| Semester 7 | Hrs. | Grade | Milestones/Notes | Semester 7 |
|---|-----------|------------|------------------|------------|
| ECON 2003- Principles of ECON I (ACTS= ECON 2103) | 3 | | | |
| COMS 4033- Systems Analysis and Design I | 3 | | | |
| COMS 4213- Database Administration | 3 | | | |
| COMS 4713/4710- Heterogeneous Networks/ Lab | 3 | | | |
| COMS Elective (3000-4000 level)- area of networking | 3 | | | |
| Total hours | 15 | GPA | | |

| Semester 8 | Hrs. | Grade | Milestones/Notes | Semester 8 |
|--|-----------|------------|------------------|------------|
| Fine Arts & Humanities | 3 | | | |
| COMS 3053- Implications of Technology on Society | 3 | | | |
| COMS 4043- Systems Analysis and Design II | 3 | | | |
| COMS 4063- IT Project Administration | 3 | | | |
| General Elective (3000-4000 level) | 3 | | | |
| Total Hours | 15 | GPA | | |

General Electives: 4 hours (3000-4000 level)

Shading indicates courses that would directly apply the AAS-IT degree.

indicates a "C" or better is required

| HIST | Social Sciences |
|---|---|
| HIST 1503 World Civilization to 1500 (ACTS=HIST1113) | ECON 2103 Honors Principles of Economics I |
| HIST 1513 World Civilization since 1500 (ACTS=HIST1123) | ECON 2013 Principles of Economics II (ACTS=ECON 2203) |
| HIST 1543 Honors World Civilization to 1500 | SOC 1003 Intro Sociology (ACTS=SOCI 1013) |
| HIST 2003 U.S. History to 1877 (ACTS=HIST2113) | PSY 2003 General Psychology (ACTS=PSYC 1103) |
| HIST 2013 U.S. History since 1877 (ACTS=HIST2123) | ANTH 1213 Intro to Anthropology (ACTS=ANTH 1013) |
| HIST 2043 Honors U.S. History to 1877 | ANTH 2003 Cultural Anthropology (ACTS=ANTH 2013) |
| HIST 1903 Survey of American History | GEOG 2013 Rgnl Geog of the World (ACTS=GEOG 2103) |
| POLS 2003 American Government (ACTS=PLSC2003) | AMST 2003 American Studies |
| ECON 2003 Principles of Economics I (ACTS=ECON2103) | AGBU 2063 Prin Agri Macroeconomics |
| ECON 2103 Honors Principles of Economics I | AGBU 2073 Prin Agri Microeconomics |