

## 2019-2020 Degree Map-Bachelor of Science in Business Administration-Business Data Analytics

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/catalog/>

**Employment Information:** Market Research Analyst, Operations Research Analyst, Data Analyst, Logistics Analyst, and Securities/Commodities Sales Agent.

#Prerequisite Courses: ENGL 0303 \_\_\_\_\_ ENGL 0404 \_\_\_\_\_ READ 0103 \_\_\_\_\_ MATH 0803 \_\_\_\_\_ MATH 1003 \_\_\_\_\_ MATH 0903 \_\_\_\_\_ MATH 0900 \_\_\_\_\_ MATH 1113 \_\_\_\_\_ MATH 1110 \_\_\_\_\_

**Sample Schedule**

| Semester 1                               | Hrs.      | Grade      | Milestones/Notes  | Semester 1 |
|--|-----------|------------|---|------------|
| ENGL 1013-Comp I (ACTS=ENGL 1013)        | 3         | #          |   |            |
| BUAD 1111-Intro to Business              | 1         |            |   |            |
| BUAD 2003-Business Information Systems   | 3         | #          |   |            |
| MATH 2223-Quantitative Business Analysis | 3         | #          | ***May omit pre-req. of MATH 1113 if math ACT is 22 or >. |            |
| General Elective                         | 3         |            |   |            |
| <b>Total hours</b>                       | <b>13</b> | <b>GPA</b> |   |            |

| Semester 2  | Hrs.      | Grade      | Milestones/Notes          | Semester 2 |
|---|-----------|------------|---------------------------|------------|
| ENGL 1023-Comp II (ACTS=ENGL 1023)                  | 3         | #          |                           |            |
| COMM 2173-Business & Professional Speaking          | 3         |            | COMM 2003 may substitute. |            |
| *BLAW 2033-Legal Environment of Business            | 3         |            |                           |            |
| MATH 2243-Calculus for Bus & Econs (ACTS=MATH 2203) | 3         | #          | Milestone                 |            |
| *BDA 2003-Business Problem Solving                  | 3         | #          |                           |            |
| <b>Total hours</b>                                  | <b>15</b> | <b>GPA</b> |                           |            |

| Semester 3  | Hrs.      | Grade      | Milestones/Notes           | Semester 3 |
|---|-----------|------------|----------------------------|------------|
| ACCT - 2000-Accounting Principles I Lab               | 0         |            | Co-Requisite for ACCT 2003 |            |
| *ACCT 2003-Accounting Principles I (ACTS=ACCT 2003)   | 3         | #          | Milestone                  |            |
| *ECON 2003-Principles of Economics I (ACTS=ECON 2103) | 3         |            | Milestone                  |            |
| *BUAD 2053-Business Statistics (ACTS=BUSI 2103)       | 3         |            | Milestone                  |            |
| US History & Government                               | 3         |            |                            |            |
| BDA 2013-Business Spreadsheet Modeling Fall Only      | 3         |            |                            |            |
| <b>Total hours</b>                                    | <b>15</b> | <b>GPA</b> |                            |            |

| Semester 4   | Hrs.      | Grade      | Milestones/Notes   | Semester 4 |
|--|-----------|------------|--|------------|
| *ACCT 2013-Accounting Principles II (ACTS=ACCT 2013)   | 3         |            | *Must complete 18 hrs of COB foundation courses to enroll in 3000-4000 level business courses. |            |
| *ECON 2013-Principles of Economics II (ACTS=ECON 2203) | 3         |            |  |            |
| Science with lab                                       | 4         |            |  |            |
| BUAD 3023-Business Communications                      | 3         |            |  |            |
| BDA 3053-Business Data Analysis Spring Only            | 3         | #          | Milestone  |            |
| <b>Total hours</b>                                     | <b>16</b> | <b>GPA</b> | <b>BDA ADVISOR ASSIGNED</b>  |            |

**Shading indicates courses that would directly apply to the ABA-Business Admin degree.**

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 since 1877 (ACTS=HIST2123) |
| JOUR 2173 Introduction to Film                               | POLS 2003 American Government (ACTS=PLSC2003)              |
| ENGL 2183 Honors Introduction to Film                        | <b>Science with Lab</b>                                    |
| ENGL 2003 Introduction to World Literature (ACTS=ENGL2113)   | BIOL 1014- Intro. to Biological Science (ACTS= BIOL1004)   |
| ENGL 2013 Intro. to American Literature (ACTS=ENGL2653)      | BIOL/PHSC 1004- Principles of Environmental Science        |
| ENGL 2023 Honors World Literature                            | GEOL 1014- Physical Geology (ACTS= GEOL 1114)              |
| PHIL 2003 Introduction to Philosophy (ACTS=PHIL1103)         | PHSC 1013/1021- Physical Sci/Lab (ACTS= PHSC 1004)         |
| PHIL 2043 Honors Introduction to Philosophy                  |  |
| PHIL 2053 Introduction to Critical Thinking (ACTS=PHIL 1003) |  |

**Sample Schedule**

| Semester 5   | Hrs.      | Grade      | Milestones/Notes  | Semester 5 |
|--|-----------|------------|---|------------|
| MKT 3043-Principles of Marketing                   | 3         |            | Must complete a min. of 54 hrs & cumulative GPA of 2.00 to enroll in COB 3000-4000 level courses. |            |
| ECON 3093-Econometrics Fall Only                   | 3         |            |   |            |
| MGMT 3003-Management & Organizational Behavior     | 3         |            |   |            |
| BDA 3003-Data Analytics Apps Development Fall Only | 3         | #          |   |            |
| BDA 3033-Data Modeling and Management Fall Only    | 3         | #          |   |            |
| <b>Total hours</b>                                 | <b>15</b> | <b>GPA</b> | 50% of COB courses must be completed at Tech.   |            |

| Semester 6   | Hrs.      | Grade      | Milestones/Notes            | Semester 6 |
|--|-----------|------------|-----------------------------|------------|
| Fine Arts & Humanities   | 3         |            |                             |            |
| ACCT 3063-Managerial Acct or ACCT 4023-Cost Acct (Spring Only) | 3         |            |                             |            |
| MGMT 3103-Operations Management                                | 3         |            |                             |            |
| **BDA Elective   | 3         |            |                             |            |
| **BDA Elective   | 3         |            |                             |            |
| <b>Total hours</b>   | <b>15</b> | <b>GPA</b> | <b>APPLY FOR GRADUATION</b> |            |

| Semester 7                               | Hrs.      | Grade      | Milestones/Notes | Semester 7 |
|--|-----------|------------|------------------|------------|
| Science with lab                         | 4         |            |                  |            |
| Fine Arts & Humanities                   | 3         |            |                  |            |
| ECON 3003-Money & Banking                | 3         |            |                  |            |
| MGMT 4013-Management Information Systems | 3         |            |                  |            |
| FIN 3063-Business Finance                | 3         |            |                  |            |
| <b>Total hours</b>                       | <b>16</b> | <b>GPA</b> |                  |            |

| Semester 8   | Hrs.      | Grade      | Milestones/Notes  | Semester 8 |
|--|-----------|------------|---|------------|
| MKT 3153-Marketing Research and Analysis Spring Only | 3         |            | <b>Graduation Requirements:</b><br>Min. hours 3000-4000 level courses: 40<br>No more than 4 PE activity hours<br>Min. hours required:120<br>2.00+ GPA |            |
| MGMT 4083-Business Policy                            | 3         |            |   |            |
| MGMT 4203-Project Management Spring Only             | 3         |            |   |            |
| BDA 4003-Business Intelligence Spring Only           | 3         |            |   |            |
| **BDA Elective                                       | 3         |            |   |            |
| <b>Total hours</b>                                   | <b>15</b> | <b>GPA</b> |   |            |

General Electives: 3 hours 1000-4000 level

COB = College of Business

\*\*BDA Electives: Choose from MGMT 3113, BDA 4031-3, BDA 4073 (only 3 hrs BDA 4031-3 allowed)

# indicates a "C" or better is required

| Social Sciences   |
|---|
| HIST 1503 World History to 1500 (ACTS=HIST1113)           |
| HIST 1513 World History since 1500 (ACTS=HIST1123)        |
| HIST 1543 Honors World History to 1500                    |
| HIST 2003 U.S. History to 1877 (ACTS=HIST2113)            |
| HIST 2013 U.S. History since 1877 (ACTS=HIST2123)         |
| HIST 2043 Honors U.S. History to 1877                     |
| HIST 1903 Survey of American History                      |
| POLS 2003 American Government (ACTS=PLSC2003)             |
| ECON 2003 Principles of Economics I (ACTS=ECON2103)       |
| ECON 2103 Honors Principles of Economics I                |
| ECON 2013 Principles of Economics II (ACTS=ECON2203)      |
| SOC 1003 Introductory Sociology (ACTS=SOCI1013)           |
| PSY 2003 General Psychology (ACTS=PSYC1103)               |
| ANTH 1213 Intro. to Anthropology (ACTS=ANTH1013)          |
| ANTH 2003 Cultural Anthropology (ACTS=ANTH2013)           |
| GEOG 2013 Regional Geography of the World (ACTS=GEOG2103) |
| AMST 2003 American Studies                                |
| <b>Speech Courses</b>                                     |
| COMM 1003 Intro to Speech Comm                            |
| COMM 2003 Public Speaking                                 |
| COMM 2173 Business and Professional Speaking              |