

# BBA-BUSINESS AND DATA ANALYTICS CONCENTRATION

## Degree Requirements

Students should refer to their DegreeWorks degree audit in their Web for Students account for more information regarding their degree requirements.

| Code                                                                                                                                                                                                 | Title                                        | Hours      |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------|------------|
| <b>Major Requirements</b>                                                                                                                                                                            |                                              |            |
| General Education Requirements ( <a href="http://catalog.tamut.edu/academic-information/university-core-curriculum/">http://catalog.tamut.edu/academic-information/university-core-curriculum/</a> ) |                                              | 42         |
| <b>Business Administration College Core Courses</b>                                                                                                                                                  |                                              |            |
| ACCT 430                                                                                                                                                                                             | Business Ethics                              | 3          |
| FIN 354                                                                                                                                                                                              | Financial Management                         | 3          |
| GBUS 310                                                                                                                                                                                             | Business Communications                      | 3          |
| GBUS 440                                                                                                                                                                                             | International Business (EL)                  | 3          |
| MGT 395                                                                                                                                                                                              | Principles of Management                     | 3          |
| MGT 439                                                                                                                                                                                              | Business Strategy and Policy                 | 3          |
| MGT 465                                                                                                                                                                                              | Production and Operations Management         | 3          |
| MIS 360                                                                                                                                                                                              | Essentials of Management Information Systems | 3          |
| MKT 363                                                                                                                                                                                              | Marketing                                    | 3          |
| SCM 324                                                                                                                                                                                              | Business Data Analytics I                    | 3          |
| or MGT 324                                                                                                                                                                                           | Business Data Analytics I                    |            |
| <b>Department Core</b>                                                                                                                                                                               |                                              |            |
| CS 355                                                                                                                                                                                               | Python Programming                           | 3          |
| CS 352                                                                                                                                                                                               | Java Programming I                           | 3          |
| CS 353                                                                                                                                                                                               | Java Programming II                          | 3          |
| CS 361                                                                                                                                                                                               | Database Systems and Design                  | 3          |
| CS 465                                                                                                                                                                                               | Computer Security                            | 3          |
| CS 430                                                                                                                                                                                               | Mobile App Development                       | 3          |
| <b>Business and Data Analytics Concentration</b>                                                                                                                                                     |                                              |            |
| CS 495                                                                                                                                                                                               | Computer Science Capstone                    | 3          |
| MGT 476                                                                                                                                                                                              | Business Data Analytics II                   | 3          |
| CS 482                                                                                                                                                                                               | Parallel Modeling and Simulation             | 3          |
| MIS 305                                                                                                                                                                                              | Electronic Commerce                          | 3          |
| <b>College Core-Business Introductory Courses</b>                                                                                                                                                    |                                              |            |
| ACCT 2301                                                                                                                                                                                            | Principles of Accounting I                   | 3          |
| ACCT 2302                                                                                                                                                                                            | Principles of Accounting II                  | 3          |
| BUSI 2301                                                                                                                                                                                            | Business Law                                 | 3          |
| ECON 2301                                                                                                                                                                                            | Principles of Macroeconomics <sup>1</sup>    | 3          |
| ECON 2302                                                                                                                                                                                            | Principles of Microeconomics                 | 3          |
| MATH 1342                                                                                                                                                                                            | Elementary Statistical Methods <sup>1</sup>  | 3          |
| <b>Minimum Hours for Degree</b>                                                                                                                                                                      |                                              | <b>120</b> |

<sup>1</sup> Satisfies Core Curriculum

Note: A minimum of 54 upper division hours (300 and 400 level courses) are required for this degree. Resident credit totaling 25% of the hours is required for the degree. A minimum GPA of 2.0 is required in three areas for graduation: Overall GPA, Institutional GPA, and Major GPA.

First Year

| Code        | Title                                                                             | Hours |
|-------------|-----------------------------------------------------------------------------------|-------|
| <b>FALL</b> |                                                                                   |       |
| ENGL 1301   | Composition I <sup>requires minimum grade of 'C', Satisfies Core Curriculum</sup> | 3     |
| HIST 1301   | United States History I <sup>Satisfies Core Curriculum</sup>                      | 3     |
| MATH 1314   | College Algebra <sup>satisfies core curriculum</sup>                              | 3     |

|                                                                                                                                                                                                                                    |                                              |                                                            |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------|------------------------------------------------------------|
| Language, Philosophy and Culture Core Curriculum Requirement ( <a href="http://catalog.tamut.edu/academic-information/university-core-curriculum/">http://catalog.tamut.edu/academic-information/university-core-curriculum/</a> ) |                                              | 3                                                          |
| Component Area Option B of the Core Curriculum ( <a href="http://catalog.tamut.edu/academic-information/university-core-curriculum/">http://catalog.tamut.edu/academic-information/university-core-curriculum/</a> )               |                                              | 3                                                          |
| Fall Total Semester Credit Hours                                                                                                                                                                                                   |                                              | 15                                                         |
| SPRING                                                                                                                                                                                                                             |                                              |                                                            |
| ENGL 1302                                                                                                                                                                                                                          | Composition II                               | satisfies core curriculum; minimum grade of 'B' or higher3 |
| or ENGL 2311                                                                                                                                                                                                                       | Technical Writing & Communication            |                                                            |
| HIST 1302                                                                                                                                                                                                                          | United States History II                     | satisfies core curriculum3                                 |
| SPCH 1315                                                                                                                                                                                                                          | Public Speaking                              | satisfies core curriculum3                                 |
| or COMM 1307                                                                                                                                                                                                                       | Introduction to Mass Communication           |                                                            |
| or COMM 1311                                                                                                                                                                                                                       | Introduction to Communication Studies        |                                                            |
| MATH 1342                                                                                                                                                                                                                          | Elementary Statistical Methods               | satisfies core curriculum3                                 |
| MIS 360                                                                                                                                                                                                                            | Essentials of Management Information Systems | 3                                                          |
| Spring Total Semester Credit Hours                                                                                                                                                                                                 |                                              | 15                                                         |
| Total First Year Semester Credit Hours                                                                                                                                                                                             |                                              | 30                                                         |

## Second Year

| Code                                                                                                                                                                                                                         | Title                                                                 | Hours     |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------|-----------|
| <b>FALL</b>                                                                                                                                                                                                                  |                                                                       |           |
| Life and Physical Sciences Core Curriculum Requirement ( <a href="http://catalog.tamut.edu/academic-information/university-core-curriculum/">http://catalog.tamut.edu/academic-information/university-core-curriculum/</a> ) |                                                                       | 3-4       |
| PSCI 2305                                                                                                                                                                                                                    | U.S. Government and Politics                                          | 3         |
| Creative Arts Core Curriculum Requirement ( <a href="http://catalog.tamut.edu/academic-information/university-core-curriculum/">http://catalog.tamut.edu/academic-information/university-core-curriculum/</a> )              |                                                                       | 3         |
| CS 355                                                                                                                                                                                                                       | Python Programming                                                    | 3         |
| GBUS 310                                                                                                                                                                                                                     | Business Communications                                               | 3         |
| <b>Fall Total Semester Credit Hours</b>                                                                                                                                                                                      |                                                                       | <b>15</b> |
| <b>SPRING</b>                                                                                                                                                                                                                |                                                                       |           |
| Life and Physical Sciences Core Curriculum Requirement ( <a href="http://catalog.tamut.edu/academic-information/university-core-curriculum/">http://catalog.tamut.edu/academic-information/university-core-curriculum/</a> ) |                                                                       |           |
| ECON 2301                                                                                                                                                                                                                    | Principles of Macroeconomics <small>satisfies core curriculum</small> | 3         |
| BUSI 2301                                                                                                                                                                                                                    | Business Law                                                          | 3         |
| PSCI 2306                                                                                                                                                                                                                    | State and Local Government                                            | 3         |
| CS 361                                                                                                                                                                                                                       | Database Systems and Design                                           | 3         |
| <b>Spring Total Semester Credit Hours</b>                                                                                                                                                                                    |                                                                       | <b>15</b> |
| <b>Total 2nd Year Semester Credit Hours</b>                                                                                                                                                                                  |                                                                       | <b>30</b> |

## Third Year

| Code                                                             | Title                        | Hours     |
|------------------------------------------------------------------|------------------------------|-----------|
| <b>FALL</b>                                                      |                              |           |
| ACCT 2301                                                        | Principles of Accounting I   | 3         |
| CS 352                                                           | Java Programming I           | 3         |
| MGT 395                                                          | Principles of Management     | 3         |
| ACCT 430                                                         | Business Ethics              | 3         |
| Upper or Lower Division Electives to satisfy degree requirements |                              | 3         |
| <b>Fall Total Semester Credit Hours</b>                          |                              | <b>15</b> |
| <b>SPRING</b>                                                    |                              |           |
| CS 353                                                           | Java Programming II          | 3         |
| FIN 354                                                          | Financial Management         | 3         |
| CS 465                                                           | Computer Security            | 3         |
| ACCT 2302                                                        | Principles of Accounting II  | 3         |
| ECON 2302                                                        | Principles of Microeconomics | 3         |
| <b>Spring Total Semester Credit Hours</b>                        |                              | <b>15</b> |
| <b>Total Third Year Semester Credit Hours</b>                    |                              | <b>30</b> |

## Fourth Year

| Code                                           | Title                                | Hours      |
|------------------------------------------------|--------------------------------------|------------|
| <b>FALL</b>                                    |                                      |            |
| MGT 439                                        | Business Strategy and Policy         | 3          |
| MGT 465                                        | Production and Operations Management | 3          |
| GBUS 440                                       | International Business (EL)          | 3          |
| CS 430                                         | Mobile App Development               | 3          |
| SCM 324                                        | Business Data Analytics I            | 3          |
| <b>Fall Total Semester Credit Hours</b>        |                                      | <b>15</b>  |
| <b>SPRING</b>                                  |                                      |            |
| MKT 363                                        | Marketing                            | 3          |
| CS 482                                         | Parallel Modeling and Simulation     | 3          |
| CS 495                                         | Computer Science Capstone            | 3          |
| New Course - Data Warehousing                  |                                      | 3          |
| MGT 476                                        | Business Data Analytics II           | 3          |
| <b>Spring Total Semester Credit Hours</b>      |                                      | <b>15</b>  |
| <b>Total Fourth Year Semester Credit Hours</b> |                                      | <b>30</b>  |
| <b>Minimum Hours for Degree</b>                |                                      | <b>120</b> |

Note: A minimum of 54 upper division hours (300 and 400 level courses) are required for this degree. Resident credit totaling 25% of the hours is required for the degree. A minimum GPA of 2.0 is required in three areas for graduation: Overall GPA, Institutional GPA, and Major GPA.