

**College of Basic and Applied Sciences  
Upper Division Form 2018-2019 Catalog**

Student name \_\_\_\_\_ Student # \_\_\_\_\_  
 Major **Computer Science** Minor \_\_\_\_\_  
 Concentration **Business Applications** E-mail \_\_\_\_\_

**Instructions: For students graduating in Fall 2018 or later. One (1) copy signed by major and minor advisors should be filed in the Graduation Analyst's office in DSB 120 three semesters prior to graduation. An Intent to Graduate form must be submitted with this form.**

| General Education   | Course           | Semester | Grade | Prerequisites  | Credit Hours |
|---|------------------|----------|-------|--|--------------|
| <b>COMMUNICATION</b> (9 hours)  | ENGL 1010        |          |       | Must earn C- or higher   | 3            |
|   | ENGL 1020        |          |       | Must earn C- or higher   | 3            |
|   | COMM 2200        |          |       |  | 3            |
| <b>HISTORY</b> (6 hours)<br>Choose two: HIST 2010, HIST 2020, HIST 2030   |                  |          |       |  | 3            |
|   |                  |          |       |  | 3            |
| <b>HUMANITIES AND/OR FINE ARTS</b> (9 hours)<br>Choose one: ENGL 2020, 2030 or HUM 2610.<br>Choose two with different prefixes: ANTH 2210, ART 1030, or 1920, DANC 1000, HIST 1010, 1020, 1110 or 1120, MUS 1030, PHIL 1030, THEA 1030  |                  |          |       | Literature: ENGL 1010, ENGL 1020                                       | 3            |
|   |                  |          |       |  | 3            |
|   |                  |          |       |  | 3            |
| <b>MATHEMATICS</b> (3 hours)*   | <b>MATH 1910</b> |          |       | MATH 1730 with a C or higher, ACT MATH of 26, Calculus Placement of 73 | 3            |
| <b>NATURAL SCIENCES</b> (8 hours)<br>Choose two (different rubrics): ASTR 1030/1031, BIOL 1030/1031, 1110/1111, 2010/2011 or 2020/2021, CHEM 1010/1011, CHEM 1030/1031 or CHEM 1110/1111, GEOL 1030/1031 or 1040/1041, PGEO 1030, PHYS 1110 or 2010/2011 or 2110/2111, PSCI 1030/1031 or PSCI 1130/1131 |                  |          |       |  | 4            |
|   |                  |          |       |  | 4            |
| <b>SOCIAL/BEHAVIORAL SCIENCES</b> (6 hours)<br>Choose two (different rubrics): AAS 2100, ANTH 2010, ECON 2410, ECON 2420, GEOG 2000, GS 2010, HLTH 1530/1531, PS 1010 or PS 1005, PSY 1410, RS 2030, SOC 1010 or 2010, WGST 2100, EMC/JOUR/RIM 1020   |                  |          |       |  | 3            |
|   |                  |          |       |  | 3            |
| <b>Hours Required</b>   |                  |          |       |  | <b>41</b>    |

| Major Courses - Must have a C (2.0) or better in all major courses | Course           | Semester | Grade** | Prerequisites/Notes  | Credit Hours |
|--|------------------|----------|---------|--|--------------|
| Computer Science Colloquium  | <b>CSCI 1010</b> |          |         |  | 1            |
| Computer Science I   | <b>CSCI 1170</b> |          |         | MATH 1730 with a C or higher, ACT MATH of 26, Calculus Placement of 73 | 4            |
| Computer Science II  | <b>CSCI 2170</b> |          |         | CSCI 1170 and eligibility for MATH 1910                                | 4            |
| Discrete Structures  | <b>CSCI 3080</b> |          |         | CSCI 1170, MATH 1910   | 3            |
| Algorithms & Data Structures                                       | <b>CSCI 3110</b> |          |         | CSCI 2170; co-req CSCI 3080  | 3            |
| Assembly & Computer Organization                                   | <b>CSCI 3130</b> |          |         | CSCI 2170  | 4            |
| Introduction to Computer Systems                                   | <b>CSCI 3240</b> |          |         | CSCI 3130  | 4            |
| Web Technologies   | <b>CSCI 4410</b> |          |         | CSCI 3080, CSCI 3110; Spring only                                      | 3            |
| Data Base Management Systems                                       | <b>CSCI 4560</b> |          |         | CSCI 3080, CSCI 3110; Fall only  | 3            |
| Software Engineering   | <b>CSCI 4700</b> |          |         | CSCI 3080, CSCI 3110, COMM 2200  | 3            |
| CSCI Elective  |                  |          |         | High-level language; CSCI 3110 or consent of instructor                | 3            |
| Upper Division CSCI Elective                                       |                  |          |         | See undergraduate catalog  | 3            |
| Upper Division CSCI Elective                                       |                  |          |         | See undergraduate catalog  | 3            |
| Upper Division CSCI Elective                                       |                  |          |         | See undergraduate catalog  | 3            |
| <b>Hours Required</b>  |                  |          |         |  | <b>44</b>    |

| Supporting and Elective Courses           |          |       |  |              |
|---|----------|-------|--|--------------|
| Course                                    | Semester | Grade | Notes  | Credit Hours |
| Math 1910                                 |          |       | MATH 1730 with a C or higher, ACT MATH of 26, Calculus Placement of 73                       | 1            |
| Math 1920                                 |          |       | MATH 1910 with a C or higher   | 4            |
| Math 2050                                 |          |       | MATH 1910 with a C or higher   | 3            |
| Math elective:                            |          |       | Must be a course for math majors, i.e. MATH 2010, MATH 3120, MATH 3180, MATH 3460, MATH 4602 | 3            |
| PHIL 3170 Ethics and Computing Technology |          |       |  | 3            |
| Elective to make 120 hours (if needed)    |          |       |  |              |
| Elective to make 120 hours (if needed)    |          |       |  |              |
| <b>Hours Required</b>                     |          |       |  | 14-17        |

| Minor Option 1 – Business Administration (2.0 GPA required) |                      |       |       |              |
|---|----------------------|-------|-------|--------------|
| Course  | Semester             | Grade | Notes | Credit Hours |
| INFS 2200 or 3100   |                      |       |       | 3            |
| ACTG 3000 or (2110 and 2120)                                |                      |       |       | 3            |
| FIN 3000 or 3010  |                      |       |       | 3            |
| BLAW 3400 or 3430   |                      |       |       | 3            |
| MGMT 3610   |                      |       |       | 3            |
| MKT 3820  |                      |       |       | 3            |
| <b>Hours Required</b>                                       |                      |       |       | 18           |
| <b>Signed:</b>  |                      |       |       |              |
|   | <b>Minor Advisor</b> |       |       | <b>Date</b>  |

| Minor Option 2 – Mathematics (2.0 GPA required), with additional business courses |                      |       |  |              |
|---|----------------------|-------|--|--------------|
| Course  | Semester             | Grade | Prerequisites/Notes  | Credit Hours |
| Math elective:  |                      |       | Must earn C or higher; choose either MATH 3110 or MATH 2110 paired with another course for math majors, i.e. MATH 2010, MATH 3120, MATH 3180, MATH 3460, MATH 4602 | 3-4          |
| Math elective:  |                      |       |  | 0-1          |
| ACTG 2110   |                      |       |  | 3            |
| ECON 2420   |                      |       |  | 3            |
| FIN 3000  |                      |       |  | 3            |
| MGMT 3610   |                      |       |  | 3            |
| Choose one: ACCT 2120, ACSI 4230, BLAW 3400, MGMT 3620, MKT 3820                  |                      |       |  | 3            |
| <b>Hours Required</b>   |                      |       |  | 19           |
| <b>Signed:</b>  |                      |       |  |              |
|   | <b>Minor Advisor</b> |       |  | <b>Date</b>  |

1. Degrees require a minimum of 120 semester hours (12 of the last 18 at MTSU) with a 2.0 GPA, a minimum of 42 upper-division hours (30 at MTSU) with a 2.0 GPA, and a minimum of 60 senior college hours.
2. Learning Support courses do not count toward the 120-hour requirement or cumulative degree GPA.
3. Courses used to fulfill high school deficiencies can only be counted as general elective credit.

|                |                      |  |  |
|----------------|----------------------|--|--|
| <b>Signed:</b> |                      |  |  |
|                | <b>Major Advisor</b> |  |  |
|                | <b>Date</b>          |  |  |