



|                              |                          |        |                          |                 |                              |        |                         |                 |   |        |
|------------------------------|--------------------------|--------|--------------------------|-----------------|------------------------------|--------|-------------------------|-----------------|---|--------|
| 1 <sup>ST</sup><br>YEAR      | TERM 1                   |        | TERM 2                   |                 | TERM 3                       |        | TERM 4                  |                 | TERM 5  |        |
|                              | TROY 1101                | 1      | ENG 1102/04              | 3               | AREA II LIT COURSE           | 3      | MTH 2227                | 4               | AREA IV SS COURSE   | 3      |
|                              | ENG 1101/03              | 3      | MTH 1125                 | 4               | MTH 1126                     | 4      | AREA IV SS COURSE       | 3               | AREA II HUM/FA COURSE   | 3      |
|                              | AREA II FINE ARTS COURSE | 3      |                          |                 |                              |        |                         |                 |   |        |
|                              | TOTAL                    | 7      | TOTAL                    | 7               | TOTAL                        | 7      | TOTAL                   | 7               | TOTAL   | 6      |
|                              | FALL SEMESTER            |        |                          |                 | SPRING SEMESTER              |        |                         |                 | SUMMER SEMESTER   |        |
|                              | TROY 1101                | 1      | AREA II FINE ARTS COURSE | 3               | ENG 1102/04                  | 3      | AREA II HUM/FA COURSE   | 3               | SELECT COURSES THAT HAVE NOT BEEN COMPLETED FROM PREVIOUS TERMS OR SEMESTERS AS PREREQUISITE COURSES OR COURSES TO BE RETAKEN |        |
|                              | ENG 1101/03              | 3      | AREA IV SS COURSE        | 3               | MTH 2210                     | 3      |                         |                 |   |        |
|                              | MTH 1125                 | 4      | AREA IV SS COURSE        | 3               | AREA IV SS COURSE            | 3      |                         |                 |   |        |
|                              |                          |        |                          |                 | MTH 1126                     | 4      |                         |                 |   |        |
| TOTAL 17                     |                          |        |                          | TOTAL 16        |                              |        |                         |                 |   |        |
| 2 <sup>ND</sup><br>YEAR      | TERM 1                   |        | TERM 2                   |                 | TERM 3                       |        | TERM 4                  |                 | TERM 5  |        |
|                              | AREA III SCI/LAB COURSE  | 3/1    | MTH 3325                 | 3               | AREA II HUM/FA COURSE        | 3      | MTH 4441                | 3               | AREA IV HIS COURSE  | 3      |
|                              | MTH 3318                 | 3      | AREA IV SS COURSE        | 3               | MTH 3331                     | 3      | AREA III SCI/LAB COURSE | 3/1             | MTH 2220  | 3      |
|                              |                          |        |                          |                 | MTH 2210                     | 3      |                         |                 |   |        |
|                              | TOTAL                    | 7      | TOTAL                    | 6               | TOTAL                        | 9      | TOTAL                   | 7               | TOTAL   | 6      |
|                              | FALL SEMESTER            |        |                          |                 | SPRING SEMESTER              |        |                         |                 | SUMMER SEMESTER   |        |
|                              | AREA II LIT COURSE       | 3      | AREA III SCI/LAB COURSE  | 3/1             | AREA IV HIS COURSE           | 3      | MTH 3325                | 3               | SELECT COURSES THAT HAVE NOT BEEN COMPLETED FROM PREVIOUS TERMS OR SEMESTERS AS PREREQUISITE COURSES OR COURSES TO BE RETAKEN |        |
|                              | MTH 3318                 | 3      | MTH 3331                 | 3               | AREA III SCI/LAB COURSE      | 3/1    | MTH 4451                | 3               |   |        |
|                              | MTH 2227                 | 4      |                          |                 | MTH 2220                     | 3      |                         |                 |   |        |
|                              | TOTAL 17                 |        |                          |                 | TOTAL 16                     |        |                         |                 |   |        |
| 3 <sup>RD</sup><br>YEAR      | TERM 1                   |        | TERM 2                   |                 | TERM 3                       |        | TERM 4                  |                 | TERM 5  |        |
|                              | APPROVED MAJ ELEC        | 3      | MTH 4451                 | 3               | EDU 3305                     | 3      | MTH 4424                | 3               | EDU 3303  | 3      |
|                              | EDU 3310                 | 3      | EDU 4400                 | 3               | MTH 4452                     | 3      | RED 4401                | 3               | SPE 3340  | 3      |
|                              | (ADMIT TO TEP) TOTAL     | 6      | ADMIT TO TEP TOTAL       | 6               | TOTAL                        | 6      | TOTAL                   | 6               | TOTAL   | 6      |
|                              | FALL SEMESTER            |        |                          |                 | SPRING SEMESTER              |        |                         |                 | SUMMER SEMESTER   |        |
|                              | MTH 4452                 | 3      | EDU 4400                 | 3               | MTH 3311                     | 3      | RED 4401                | 3               | SELECT COURSES THAT HAVE NOT BEEN COMPLETED FROM PREVIOUS TERMS OR SEMESTERS AS PREREQUISITE COURSES OR COURSES TO BE RETAKEN |        |
|                              | APPROVED MAJ ELEC        | 3      | EDU 3305                 | 3               | AREA II HUM/FA COURSE        | 3      | SPE 3340                | 3               |   |        |
|                              | EDU 3310                 | 3      |                          |                 | EDU 3303                     | 3      |                         |                 |   |        |
|                              | ADMIT TO TEP TOTAL 15    |        |                          |                 | TOTAL 15                     |        |                         |                 |   |        |
|                              | 4 <sup>TH</sup><br>YEAR  | TERM 1 |                          | TERM 2          |                              | TERM 3 |                         | TERM 4          |   | TERM 5 |
| MTH 3311                     |                          | 3      | MTH 4481                 | 3               | SED 4454                     |        | SED 4454 (CONTINUED)    | 3               |   |        |
| APPROVED MAJ ELEC            |                          | 3      | EDU 4471                 | 3               | MTH 4474                     |        | MTH 4474 (CONTINUED)    | 9               |   |        |
| TOTAL                        |                          | 6      | TOTAL                    | 6               | FILE YOUR INTENT TO GRADUATE |        |                         |                 |   |        |
|                              |                          |        |                          |                 |                              |        | TOTAL                   | 12              |   |        |
| FALL SEMESTER                |                          |        |                          | SPRING SEMESTER |                              |        |                         | SUMMER SEMESTER |   |        |
| MTH 4424                     |                          | 3      | EDU 4471                 | 3               | SED 4454                     | 3      |                         |                 | SELECT COURSES THAT HAVE NOT BEEN COMPLETED FROM PREVIOUS TERMS OR SEMESTERS AS PREREQUISITE COURSES OR COURSES TO BE RETAKEN |        |
| MTH 4441                     |                          | 3      | MTH 4481                 | 3               | MTH 4474                     | 9      |                         |                 |   |        |
| APPROVED MAJ ELEC            |                          | 3      |                          |                 |                              |        |                         |                 |   |        |
| FILE YOUR INTENT TO GRADUATE |                          |        |                          |                 |                              |        |                         |                 |   |        |
| TOTAL 15                     |                          |        |                          | TOTAL 12        |                              |        |                         |                 |   |        |
| TOTAL PROGRAM 123            |                          |        |                          |                 |                              |        |                         |                 |   |        |



## COLLEGE OF EDUCATION PROVISIONAL ACADEMIC PLAN MATHEMATICS EDUCATION MAJOR – PROGRAM YEAR 2016-17

NOTE: THE INFORMATION PROVIDED THROUGHOUT THIS DOCUMENT IS SUBJECT TO CHANGE DUE TO CHANGES IN ALABAMA STATE DEPARTMENT GUIDELINES.

COMPLETE ALL REQUIREMENTS (49 HOURS)

### AREA I

(MINIMUM GRADE OF 'C' REQUIRED)

ENG 1101 COMP AND MODERN ENGLISH I 3 HOURS  
ENG-1102 COMP AND MODERN ENGLISH II 3 HOURS

### AREA II

TAKE ANY 1000-2000 LEVEL COURSE IN LITERATURE 3 HOURS

TAKE ANY 1000-2000 LEVEL COURSE WITH AN EXPANDED HISTORICAL AND CULTURAL SCOPE IN FINE ARTS, INCLUDING THE DISCIPLINES OF ART, MUSIC, THEATRE, FILM, OR OTHER FINE ARTS AREA. 3 HOURS

TAKE ANY TWO 1000-2000 LEVEL COURSES WITH AN EXPANDED HISTORICAL AND CULTURAL SCOPE IN THE HUMANITIES/FINE ARTS DISCIPLINES, INCLUDING ENGLISH, FOREIGN LANGUAGES, RELIGION, PHILOSOPHY, CLASSICS, THEATRE, MUSIC, DANCE, COMMUNICATION, SIGN LANGUAGE, INTERDISCIPLINARY STUDIES, OR OTHER HUMANITIES/FINE ARTS AREAS. 6 HOURS

NOTE: A SEQUENCE IN LITERATURE OR HISTORY IS REQUIRED. WHEN SELECTING COURSEWORK IN AREAS II OR IV, PLEASE CONSIDER THIS REQUIREMENT.

### AREA III

MTH 1125 CALCULUS I (MINIMUM GRADE OF 'C' REQUIRED) 4 HOURS

TAKE ANY TWO 1000-2000 LEVEL SCIENCE CLASSES (CLASS AND CORRESPONDING LAB BOTH REQUIRED) FROM THE FOLLOWING SCIENCE DISCIPLINES: BIOLOGY, CHEMISTRY, PHYSICS, PHYSICAL SCIENCE, OR OTHER SCIENCE AREAS. SELECT 2: BIO-1100/L100, BIO 1101/L101, BIO 2202/L202, BIO 2229/L229, CHM 1115/L115, CHM 1142/L142, CHM 1143/L143, CHM 2242/L242, PHY 2252/L252, PHY 2253/L253, PHY 2262/L262, PHY 2263/L263, SCI 2233/L233, SCI 2234/L234. 8 HOURS

### AREA IV

TAKE ANY 1000-2000 LEVEL COURSE WITH A PRIMARY FOCUS IN HISTORY. 3 HOURS

TAKE ANY THREE 1000-2000 LEVEL COURSES FROM THE FOLLOWING SOCIAL SCIENCE DISCIPLINES: ANTHROPOLOGY, BUSINESS, CRIMINAL JUSTICE, ECONOMICS, GEOGRAPHY, HISTORY, HUMAN SERVICES, LEADERSHIP, INTERDISCIPLINARY STUDIES, NURSING, POLITICAL SCIENCE, PSYCHOLOGY, RELIGION, SOCIAL WORK, SOCIOLOGY, OR OTHER SOCIAL SCIENCE AREAS. 9 HOURS

NOTE: A SEQUENCE IN LITERATURE OR HISTORY IS REQUIRED. WHEN SELECTING COURSEWORK IN AREAS II OR IV, PLEASE CONSIDER THIS REQUIREMENT.

### AREA V

MTH 2210 APPLIED STATISTICS 3 HOURS  
MTH 2220 COMPUTER PROGRAMMING FOR MATHEMATICS 3 HOURS  
TROY 1101 UNIVERSITY ORIENTATION 1 HOURS

EVERY REASONABLE ATTEMPT TO ENSURE ACCURACY HAS BEEN MADE. SOME COURSES (SUCH AS DEVELOPMENTAL OR PRE-REQUISITE COURSES) ARE NOT REFLECTED IN THIS DEGREE MAP. COMPLETION OF DEGREE REQUIREMENTS IS BASED ON THE SPECIFIC CATALOG YEAR FOR EACH STUDENT. A MINIMUM OF 120 HOURS IS REQUIRED FOR ALL BACCALAUREATE DEGREE PROGRAMS. AT LEAST 25% OF THE CREDIT HOURS REQUIRED FOR THE DEGREE MUST BE COMPLETED IN RESIDENCY WITH TROY UNIVERSITY. AT LEAST 12 SEMESTER HOURS OF RESIDENCY MUST BE COMPLETED IN EACH MAJOR FIELD(S) OF STUDY. A MINIMUM GPA OF 2.0 OVERALL AND IN THE MAJOR IS REQUIRED TO GRADUATE. NOTE: PLEASE CONSULT THE COLLEGE OF EDUCATION OR CURRENT CATALOG FOR OTHER REQUIREMENTS NOT COVERED IN THIS DOCUMENT. NOTES: A SEQUENCE IN LITERATURE OR HISTORY IS REQUIRED. WHEN SELECTING COURSEWORK IN AREAS II OR IV, PLEASE CONSIDER THIS REQUIREMENT.



## COLLEGE OF EDUCATION PROVISIONAL ACADEMIC PLAN MATHEMATICS EDUCATION MAJOR – PROGRAM YEAR 2016-17

### MATHEMATICS COURSES

(38 HOURS)

2.75 GPA REQUIRED

(MINIMUM GRADE OF 'C' REQUIRED)

|          |                               |         |
|----------|-------------------------------|---------|
| MTH 1126 | CALCULUS II                   | 4 HOURS |
| MTH 2227 | CALCULUS III                  | 4 HOURS |
| MTH 3311 | DIFFERENTIAL EQUATIONS        | 3 HOURS |
| MTH 3318 | INTRO TO ADVANCED MATHEMATICS | 3 HOURS |
| MTH 3331 | LINEAR ALGEBRA                | 3 HOURS |
| MTH 3325 | COLLEGE GEOMETRY              | 3 HOURS |
| MTH 4424 | REAL ANALYSIS I               | 3 HOURS |
| MTH 4441 | ABSTRACT ALGEBRA I            | 3 HOURS |
| MTH 4451 | MATHEMATICAL STATISTICS I     | 3 HOURS |
| MTH 4452 | MATHEMATICAL STATISTICS II    | 3 HOURS |

SELECT 6 ADDITIONAL HOURS OF UPPER-LEVEL, ADVISOR-  
APPROVED MATHEMATICS COURSES

6 HOURS

(MINIMUM GRADE OF 'C' REQUIRED)

### PROFESSIONAL STUDIES

(36 HOURS)

(MINIMUM GRADE OF 'C' REQUIRED)

|          |   |         |
|----------|---|---------|
| EDU 3310 | INTRODUCTION TO EDUCATION                     | 3 HOURS |
| EDU 4400 | CLASSROOM MANAGEMENT                          | 3 HOURS |
| EDU 4471 | CURRICULUM & INSTRUCTION DELIVERY             | 3 HOURS |
| EDU 3305 | TEACHING WITH TECHNOLOGY                      | 3 HOURS |
| EDU 3303 | EDUCATIONAL PSYCHOLOGY & CLASSROOM ASSESSMENT | 3 HOURS |
| SPE 3340 | DIVERSE LEARNERS                              | 3 HOURS |
| RED 4401 | READING IN THE CONTENT AREA                   | 3 HOURS |
| MTH 4481 | METHODS & MATERIALS                           | 3 HOURS |
| SED 4454 | INTERNSHIP SEMINAR                            | 3 HOURS |
| MTH 4474 | INTERNSHIP IN SECONDARY EDUCATION             | 9 HOURS |