

SECONDARY MATHEMATICS through the Baylor Interdisciplinary Core (BIC)

A suggested sequence of course, many courses in the Freshman and Sophomore years are interchangeable. Course selection is subject to availability and fit within each semester.

FRESHMAN-FALL

BIC 1212 Examined Life
 BIC 1314 World Cultures I
 BIC 1413 Rhetoric I
 MTH 1321 Calculus I
TED 1312 Introduction to Teaching
TED 1112 Instructional Technology
 Chapel (CR)
Total: 16 s.h.

FRESHMAN-SPRING

BIC 1323 Rhetoric II
 BIC 1324 World Cultures II
 HIS 2365 History of the United States to 1877 (sub WC IV)
 MTH 1322 Calculus II
 TED 2381 American Educational Thought
 STA 3381 Probability & Statistics
 Chapel (CR)
Total: 18 s.h.

SUMMER: Language **Total: 6-8 s.h.**

SOPHOMORE-FALL

TED 2340 Teaching in the Secondary School
TED 2112 Instructional Technology Lab II
 MTH 2321 Calculus III
 BIC 2330 Social World I
 BIC 2334 World Cultures III
 BIC 2437 Natural World I
 LF ___ Lifetime Fitness
Total: 18 hrs.

SOPHOMORE-SPRING

BIC 2330 Social World II
 BIC 2447 Natural World II
 MTH 2311 Linear Algebra
 MTH 3312 Foundations of Combinatorics and Algebra
 MTH 3300 Foundations of Mathematics
 LF ___ Lifetime Fitness
Total: 17 s.h.

Must have minimum 2.75 gpa (cumulative & in major) to begin Teaching Associate.

JUNIOR-FALL

TED 3340 Teaching Associate Secondary Part I
TED 3383 Secondary Math Practicum I
TED 4348 Secondary Mathematics Curriculum
 TED 3380 Social Issues in Education
 MTH 3350 Structure of Modern Geometry
 MTH Advanced Elective (3)
Total: 18 s.h.

JUNIOR-SPRING

TED 3341 Teaching Associate Secondary Part II
TED 3384 Secondary Math Practicum II
TED 4349 Critical Issues Mathematics Education
 MTH 3340 Mathematics through Technology
 MTH 3323 Introduction to Analysis
 BIC 3358 Biblical Heritage/Ethics
Total: 18 s.h.

SENIOR-FALL

TED 4640 Internship Secondary Part I
TED 4641 Internship Secondary Part II
MTH 4343 Topics in Mathematics for Prospective Teachers
Total: 15 s.h.

SENIOR-SPRING

TED 4642 Internship Secondary Part III
TED 4643 Internship Secondary Part IV
MTH 3374 Introduction to Mathematical Modeling
Total: 15 s.h.

TOTAL SEMESTER HOURS: 128-134**

* Second level proficiency is required. Sign Language not allowed.

****The minimum hour requirement for a Baylor degree is 124 hours. Elective hours may be needed to meet this requirement.**

For English as a Second Language (ESL) Supplementary Certification

- Add TED 4312 Methods of Teaching English as a Second Language to the junior or senior year.

SECONDARY MATHEMATICS

To enter the Teaching Associate coursework a formal application process must be completed. The requirements include:

- Minimum gpa of 2.75 (cumulative & major)
- One of the following: SAT 1070 (500+ Reading/Math), ACT 23 (19+ English/Math), qualifying TAKS/STAAR test scores or appropriate THEA score.
- *International Students:* TOEFL exam and score of 26 on speaking component.
- Teaching Associate application and paperwork on file with the Office of Professional Practice.

(Please note: Students will be notified of admission decision by email and must respond to the notification within 10 days of receiving the email.)

To enter the Internship coursework the following must be achieved:

- Minimum gpa of 2.75 (cumulative & major)
- Grade of B or better, each semester, in each of the Teaching Associate courses.
- 80% earned overall score on the PPR and content Diagnostic TExES exams.
- One official TExES test attempted.
- Summative e-folio benchmark assessment with a mean rating equal to or greater than 4 (on 9-point scale).

The School of Education has high expectations for our teaching candidates while placed in local school classrooms. The expectations are as follows:

- Any Teacher Education (TED) course may only be repeated once: some TED courses require faculty permission to be repeated.
- A grade of B or higher must be earned in Teaching Associate and Internship courses in order to move on to subsequent semester of coursework.
- If a student does not earn a grade of B or higher in Teaching Associate and/or Internship courses, he/she must initiate an appeal as outlined in the Professional Development School Teacher Education Handbook.. This process will determine if the student is able to continue in the Teacher Education Program.

Please note: “Course completion” requirements may vary according to certificate programs as specified in the Professional Development School Teacher Education.