**BACHELOR OF SCIENCE IN MATHEMATICS (Pure Math) with UTeach Option - 123 hours**

**RECOMMENDED COURSE SEQUENCE - EFFECTIVE Fall 2014**

|  |  |  |  |
| --- | --- | --- | --- |
|  | **Fall** | **Spring** | **Summer** |
| **Freshman Year** | **Fall – 16 hours**  UNIV 1010/NATS 1101 Freshman Seminar  RHET 1302 Rhetoric/Composition II  MATH 2417 Calculus I  HIST 1301 U.S. History to Civil War  CS 1336/1136 Programming Fundamentals/Lab  (Free Elective)  NATS 1141 STEP 1(Free Elective) | **Spring – 16 hours**  MATH 2419 Calculus II  MATH 2418 Linear Algebra  PHYS 2325 Mechanics and Heat  PHYS 2125 Physics Lab 1  CS 1337 Computer Science I  NATS 1143 STEP 2 (Free Elective) | **Summer – 3 hours**  GOVT 2305 American Government |
| **Sophomore Year** | **Fall – 14 hours**  MATH 2451 Multivariable Calculus  PHYS 2326 Electromagnetism and Waves  PHYS 2126 Physics Lab II  HIST 1302 U.S. History from Civil War  NATS 3341 Knowing & Learning (Upper-Level Free Elective) | **Spring – 16 hours**  MATH 3310 Theoretical Concepts of Calculus  MATH 2420 Differential Equations  MATH 3321 Geometry  COMM 1311 Survey of Oral & Tech-Based Comm  NATS 3343 Classroom Interactions (Upper-Level Free  Elective) | **Summer – 3 hours**  GOVT 2306 Texas Government |
| **Junior Year** | **Fall – 15 hours** MATH 3311 Abstract Algebra I  MATH 4301 Math Analysis I  STAT 4351 Probability  HIST 3327 Perspectives (Upper-Level Free Elective)  MATH 3303 Math Modeling (Upper-Level Free  Elective) | **Spring – 15 hours** MATH 3312 Abstract Algebra II  MATH 3379 Complex Variables  MATH 4302 Math Analysis II  Social and Behavioral Science (3 SCH)  NATS 4390 Research Methods (Upper-Level Free Elective) | **Summer – 3 hours**  Language, Philosophy, & Culture (3 SCH) |
| **Senior Year** | **Fall – 15 hours**  MATH 4334 Numerical Analysis  MATH 4341 Topology  Upper-Level Guided Math Elective (3 SCH)  Creative Arts (3 SCH)  NATS 4341 Project-Based Instruction (Upper-Level  Free Elective) | **Spring – 7 hours**  NATS 4694/4696 Apprentice Teaching (Upper-Level Elective)  NATS 4141 Apprentice Teaching Seminar (Upper-Level Free Elective) |  |