

# **Unofficial Degree Planning Worksheet**

# *Catalog Year: 2019-2020*

# BS in SECONDARY EDUCATION - MATHEMATICS

| This worksheet is designed to help you plan and track your progress toward your degree. It lists all the graduation requirements. For full course descriptions, please refer to the current undergraduate [Catalog](http://www.ut.edu/catalog). | Course Taken or Transferred In | Semester Taken or Course Remaining |
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| UNIVERSITY GRADUATION REQUIREMENTS |
| [ ] Students must earn 124 hours to be eligible for graduation.[ ] Students must maintain an overall GPA of a 2.0 to be eligible for graduation.[ ] Students must complete 31 of the last 35 hours in residency at UT. |
| BACCALAUREATE EXPERIENCE REQUIREMENTS***Courses used for Baccalaureate Experience may not be used in the major (unless otherwise stated in the catalog).*** |
| Two-Year Learning Community |
| BAC 100 (0cr) – Digital Skills |  |  |
| BAC/HON 101/102 (2cr) – First-Year Seminar (two semester sequence)BAC 103 (1cr) – Transfer Student Seminar (one semester course) *- Optional*BAC 104 (1cr) – Veteran Student Seminar (one semester course) |  |  |
| AWR 101 (4cr) – Writing and Inquiry* *Domestic Students may be required to take AWR 100 based on English Placement.*
* *International Students may be required to take AWR 110 before AWR 101 or AWR 111 in conjunction with AWR 101 based on English Placement.*
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| AWR 201 (4cr) – Writing and Research *Recommended to take in the second year* |  |  |
| Mathematics (4cr) – MAT 155 or Higher |  |  |
| Natural Science – NS (6 Credits)***Must be lecture course, not a lab.*** |
| Biological Science (3cr) |  |  |
| Chemical or Physical Science (3cr)  |  |  |
| Humanities – HFA (11 Credits) |
| * *Must have at least two different disciplines represented.*
* *May only apply up to 4 credits of Studio/Performance courses.*

*Courses to fulfill this requirement may be found in the following disciplines: animation, dance, english/literature, film, foreign languages, linguistics, music, new media, philosophy, religion, speech and theatre, plus those art, communication, writing and women’s and gender studies courses so designated in the Course Descriptions section of the catalog.****Secondary Education Mathematics Students may use the following major courses to meet this requirement: THE 214 and THR 260.*** |  |  |
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| Social Science – SS (11 Credits) |
| * *Must have at least two different disciplines represented.*

*Courses to fulfill this requirement may be found in the following disciplines:* *economics, geography, history, political science, psychology, sociology, and urban studies, plus those communication, criminology, law justice and advocacy, and women’s and gender studies courses so designated in the Course Descriptions section of the catalog.* |  |  |
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|  | Course Taken or Transferred In | Semester Taken or Course Remaining |
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| Art/Aesthetic – A (3 Credits)***Can come from anywhere in the curriculum.*** |
| *Art/aesthetic courses are devoted primarily to the development of skills in human expression for the purpose of engaging the aesthetic sense, or courses devoted primarily to the development of students’ critical appreciation of aesthetics. Courses can be found in multiple disciplines, see Course Search or Catalog to find courses.* |  |  |
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| Non-Western and International/Global Awareness – NW/IG (9 Credits)***Can come from anywhere in the curriculum.*** |
| Non-Western (3cr) *Deal in either a direct or comparative way with political, social, or cultural issues within the context of non-Western or Third World concerns.* |  |  |
| International/Global Awareness (3cr)*Deal in a direct or comparative way with political, social, cultural or economic issues impacting the international and/or global arena.* |  |  |
| Non-Western or International/Global Awareness (3cr) |  |  |
| Writing Intensive – W (9 Credits)***Can come from anywhere in the curriculum.*** |
| *Courses in addition to AWR 101 and AWR 201 that emphasize writing as a process of learning and communicating. Some credits may be waived for transfer students, please refer to the Catalog for more information.* |  |  |
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| MAJOR REQUIREMENTS (103-105 Credits) |
| Core Courses (64-66 Credits) |
| EDU 200 (4cr) – Foundations of American Education |  |  |
| EDU 206 (4cr) – Human Development and Learning |  |  |
| EDU 207 (4cr) – Philosophy of Education and Teacher Learner Relationships |  |  |
| EDU 208 (2cr) – Secondary Research Methods |  |  |
| EDU 211 (2cr) – Pre-Education Practicum |  |  |
| EDU 212 (4cr) – Human Exceptionalities |  |  |
| EDU 306 (4cr) – Teaching Reading in the Secondary Content Areas (ESOL-infused) |  |  |
| EDU 309 (1cr) – Practicum (with Seminar) I (ESOL-infused) |  |  |
| EDU 311 (4cr) – Teaching Mathematics in the Secondary School (ESOL-infused) |  |  |
| EDU 317 (4cr) – Diversity and Ethics (ESOL-infused) |  |  |

|  | Course Taken or Transferred In | Semester Taken or Course Remaining |
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| EDU 325 (4cr) – Secondary Classroom Assessment |  |  |
| EDU 335 (4cr) – Secondary Classroom Management |  |  |
| EDU 345 (4cr) – Methods of Secondary Instruction |  |  |
| EDU 354 (3cr) – Teaching English to Speakers of Other Languages I-Secondary(TESOL I) |  |  |
| EDU 403 (2cr) – Technology in Education II (ESOL-infused)***Pre-Req:*** *Admission to teacher education program.* |  |  |
| EDU 409 (2-4cr) – Practicum (with Seminar) III***Pre-Req:*** *Admission to teacher education program.* |  |  |
| EDU 410 (2cr) – Final Internship Seminar IV***Pre-Req:*** *Completion of all prior required course work****Co-Req:*** *EDU 413* |  |  |
| EDU 413 (10cr) – Final Internship Practicum IV***Pre-Req:*** *Completion of all prior required course work****Co-Req:*** *EDU 410* |  |  |
| EDU 481 (0cr) – Comprehensive Subject Area Competency and Skills (SACS) |  |  |
| MATHEMATICS SPECIFIC COURSES (32 Credits) |
| MAT 180 (4cr) – College Geometry***Pre-Req:*** *MAT 160 or equivalent* |  |  |
| MAT 260 (4cr) – Calculus I***Pre-Req:*** *MAT 170 with a grade of “C” or higher or equivalent* |  |  |
| MAT 261 (4cr) – Calculus II***Pre-Req:*** *MAT 260 with a grade of “C” or higher* |  |  |
| MAT 262 (4cr) – Calculus III***Pre-Req:*** *MAT 261 with a grade of “C” or higher* |  |  |
| MAT 299 (4cr) – Introduction to Higher Mathematics***Pre-Req:*** *MAT 262 with a grade of “C” or higher* |  |  |
| MAT 300 (4cr) – Differential Equations***Pre-Req:*** *MAT 262 with a grade of “C” or higher* |  |  |
| MAT 310 (4cr) Probability and Mathematical Statistics***Pre-Req:*** *MAT 299 with a grade of “C” or higher* |  |  |
| MAT 308 (4cr) – Linear Algebra***Pre-Req:*** *MAT 299 with a grade of “C” or higher*orMAT 420 (4cr) – Modern Abstract Algebra***Pre-Req:*** *MAT 299 with a grade of “C” or higher* |  |  |
| Additional Requirements (7 Credits)Can be used to fulfill requirements in the Baccalaureate Experience. |
| THR 214 (4cr) – Fine Arts and Brain Compatible Learning Environments |  |  |
| THR 260 (3cr) – Creative Dramatics |  |  |
| Major Residency Requirements (15 Credits) |
| *Students must complete at least 15 credit hours in the student’s major.* |