

# COLLEGE OF NATURAL SCIENCES & MATHEMATICS

## Bachelor of Arts, Mathematics

### Four-Year Academic Map 2022-2023

| YEAR 1 | Semester 1 Fall |                               |   | Semester 2 Spring |                               |   | Total |
|--------|-----------------|-------------------------------|---|-------------------|-------------------------------|---|-------|
|        | ENGL 1301       | First Year Writing I          | 3 | ENGL 1302         | First Year Writing II         | 3 |       |
|        | MATH 2413       | Calculus I                    | 4 | MATH 2414         | Calculus II                   | 4 |       |
|        | HIST 1377       | The United States to 1877     | 3 | HIST 1378         | The United States Since 1877  | 3 |       |
|        |                 | Foreign Language (1000-level) | 5 |                   | Foreign Language (1000-level) | 5 |       |
|        | Semester Hours  |                               |   | 15                | Semester Hours                |   | 15    |

| YEAR 2         | Semester 1 Fall               |   |    | Semester 2 Spring |  |    | Total |
|----------------|-------------------------------|---|----|-------------------|--|----|-------|
|                | MATH 2318                     | Linear Algebra                                | 3  | MATH 3325         | Transition to Advanced Math                            | 3  |       |
|                | MATH 2131                     | Linear Algebra Lab                            | 1  | MATH 3331         | Differential Equations                                 | 3  |       |
|                | MATH 2415                     | Calculus III                                  | 4  | CORE              | Creative Arts  | 3  |       |
|                | CORE                          | Social & Behavioral Sciences                  | 3  |                   | Natural Science with Lab (Must be approved for majors) | 4  |       |
|                |                               | Natural Science (must be approved for majors) | 3  |                   | Foreign Language (2000-level)                          | 3  |       |
|                | Foreign Language (2000-level) | 3   |    |                   |  |    |       |
| Semester Hours |                               |   | 17 | Semester Hours    |  | 16 | 33    |

| YEAR 3         | Semester 1 Fall                |                                       |          | Semester 2 Spring          |   |    | Total |
|----------------|--------------------------------|---------------------------------------|----------|----------------------------|---|----|-------|
|                | MATH 3330                      | Abstract Algebra                      | 3        | MATH 3334                  | Adv. Multivariable & Vector Calc. <b>OR</b> | 3  |       |
|                |                                |                                       |          | MATH 3363                  | Intro. to Complex Analysis <b>OR</b>        | 3  |       |
|                |                                |                                       |          | MATH 3364                  | Intro to Differential Equations             | 3  |       |
|                | MATH 3333                      | Intermediate Analysis                 | 3        | MATH                       | Advanced Math Elective                      | 3  |       |
|                | GOVT 2306                      | US & Texas Constitutions and Politics | 3        | GOVT 2305                  | US Govt: Congress, Pres & Courts            | 3  |       |
| CORE           | Language, Philosophy & Culture | 3                                     | CORE     | Writing in the Disciplines | 3   |    |       |
| Elective       | Approved Elective              | 3                                     | Elective | Approved Elective          | 3   |    |       |
| Semester Hours |                                |                                       | 15       | Semester Hours             |   | 15 | 30    |

| YEAR 4 | Semester 1 Fall |                                     |   | Semester 2 Spring |                                     |   | Total |
|--------|-----------------|-------------------------------------|---|-------------------|-------------------------------------|---|-------|
|        | MATH            | 4000-level Math Electives           | 3 | MATH 4389         | Survey of Undergraduate Mathematics | 3 |       |
|        | MATH            | 4000-level MATH for Senior Sequence | 3 | MATH              | 4000-level Math for Senior Sequence | 3 |       |
|        |                 | NSM Capstone                        | 6 | Elective          | Approved Elective                   | 3 |       |
|        | Elective        | Approved Elective                   | 3 |                   | NSM Capstone                        | 3 |       |
|        | Semester Hours  |                                     |   | 15                | Semester Hours                      |   | 12    |
|        |                 |                                     |   |                   |                                     |   | 120   |

\*State of Texas Core Curriculum

Students should meet with their academic advisor to formulate their own plan.