Mathematical Sciences (BA) Curriculum Worksheet (2022-2023)

This worksheet outlines the required courses for this major. Students are expected to be familiar with general education and major-specific requirements for their intended major as outlined in the Clemson Undergraduate Catalog. Additionally, students must satisfy any Tri-County prerequisites for the courses below. To complete Bridge program requirements, students must earn 30 credits at Tri-County and a 2.5 GPA during their Bridge year (fall, spring, and optional summer, if needed). Students should consult the backside of this worksheet, the Undergraduate Catalog, and the Bridge Academic Guide for Clemson course equivalencies and alternative courses if students wish to enroll in other courses or if any of the following requirements have been met through dual enrollment or AP/IB credit. Advising worksheets are supplemental planning aids and are for informational purposes only.

SUGGESTED CORE COURSE SEQUENCE

**Fall Semester**

- ENG 101 or ENG 103
- MAT 140
- Natural Science w/lab Req.¹
- Foreign Language Req.²

**Total Hours: 16**

**Spring Semester**

- ENG 102 or Arts & Hum. (Lit.) Req.³
- MAT 141
- Arts & Hum. (Non-Lit.) Req.⁵
- Social Sciences Req
- Foreign Language Req.²

**Total Hours: 15-16**

**Additional Course Options**

- SPC 200 or SPC 205
- MAT 242
- Social Sciences Req.¹
- MAT 240
- Elective Courses (11 hrs.)⁶

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¹ See Mathematics Sciences (BA) curriculum worksheet for suggested courses to fulfill this requirement.
² Four semesters (through 2020) in the same modern language are required for graduation.
³ If ENG 101 + 102 is taken for English Composition requirement, ENG 102 should be taken instead of the Arts & Humanities (Lit.) requirement.
⁴ Select any course from the Bridge Student Academic and Advising Guide that fulfills the Arts & Humanities (Lit.) requirement.
⁵ Select any course from the Bridge Student Academic and Advising Guide that fulfills the Arts & Humanities (Non-Lit.) requirement.
⁶ Take up to 11 additional hours of courses listed in the Bridge Student Academic and Advising Guide that will transfer to Clemson.

Any student with dual enrollment or AP/IB credit for the courses mentioned above should consult the Clemson Undergraduate Catalog & Bridge Student Academic and Advising Guide for additional coursework that fulfills major and Bridge program requirements.
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Advising worksheets are supplemental planning aids. While every effort is made to ensure accuracy, the student’s responsibility is to understand and meet degree requirements in the applicable Undergraduate Catalog. Contact Clemson adviser Adam Hunter (hunter3@clemson.edu) for additional information about this worksheet.

### General Education Requirements

**Communication (6 total credits): Developing and expressing ideas.**

| A. English Composition: 3 – 6 credits | ENG 103 or ENG 101 + ENG 102 | ENGL 1030 or ENGL 1999 + 1030 |
| B. Oral Communication: 3 credits | SPC 200 or SPC 205 | COMM 1500 or COMM 2500 |

**Ways of Knowing (19 total credits): Employing intellectual inquiry.**

| C. Arts & Hum. (Lit.): 3 credits | Select one course from the following: ENG 201, ENG 202, ENG 205, ENG 206, ENG 208, ENG 209, or ENG 220 | Select one course from the following: ENGL 2120, ENGL 2130, ENGL 2140, or ENGL 2150 |
| D. Arts & Hum. (Non-Lit.): 3 credits | Select one course from the following: ART 101, ART 107, HSS 205, MUS 105, PHI 101, PHI 105, PHI 110, REL 101, REL 201, or THE 101 | Select one course from the following: ASTR 1010/1030 & ASTR 1020/1040, BIOL 1030/1050 & BIOL 1040/1060, BIOL 1100* & BIOL 1110*, CH 1010 & CH 1020, PHY 2070/2090* & PHYS 2080/2100*, PHYS 1220/1240* & PHYS 2230/2230* |
| E. Mathematics: 8 credits | MAT 140 & MAT 141 | MATH 1060 & MATH 1080 |
| F. Natural Science w/lab: 8 – 10 credits | Select one sequence of courses from the following: AST 101 & AST 102, BIO 101 & BIO 102, BIO 113* & BIO 114*, CHM 110 & CHM 111, PHY 201* & PHY 202*, PHY 221* & PHY 222* | Select one sequence of courses from the following: ASTR 1010/1030 & ASTR 1020/1040, BIOL 1030/1050 & BIOL 1040/1060, BIOL 1100* & BIOL 1110*, CH 1010 & CH 1020, PHY 2070/2090* & PHYS 2080/2100*, PHYS 1220/1240* & PHYS 2230/2230* |

*Strongly recommended for students intending Health Professional Careers

| G. Social Sciences: 6 credits | Select one course from the following: ANT 101, ECO 210, ECO 211, GEO 102, HIS 101, HIS 102, HIS 122, HIS 201**, HIS 202, PSC 201, PSC 220, PSY 201*, SOC 101** or SOC 205 | Select one course from the following: ANTH 210, ECON 2120, ECON 2110, GEOG 1030, HIST 1720, HIST 1730, HIST 1220, HIST 1010, HIST 1020, POSC 1010, POSC 1020, PSYC 2010, SOC 210, or SOC 2020 |

*Second Social Science course must be from a different discipline than the first course (i.e., HIS 101 and HIS 201 cannot be used to satisfy both requirements).

**HIS 201 and PSC 201 strongly recommended as they satisfy the REACH requirement for graduation.

### Global Challenges (6 total credits): Exploring global, local, regional, national, international, virtual, or philosophical challenges.

| H. Global Challenges: 6 credits | Will complete at Clemson. Students will take a minimum of 6 credit hours, selected from two different fields (unless interdisciplinary), and at least three hours at the 3000-level or above. |

### Major Specific Requirements

| I. Foreign Language: 6 – 14 credits | Four semesters (through 2020) of the same modern foreign language are required. |

Any student with dual enrollment or AP/IB credit for the courses mentioned above should consult the Clemson Undergraduate Catalog & Bridge Student Academic and Advising Guide for additional coursework that fulfills major and Bridge program requirements.