Biological Sciences (BS) Curriculum Worksheet (2026 – 2027)

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 (courses listed in **BOLD**), 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

BIO 113[1]

CHM 110

ENG 101 or ENG 103

MAT 140

Total Hours: 15

Advising Notes:

Spring Semester

BIO 114[1]

CHM 111

ENG 102 or Arts & Hum. (Lit.) Req.[2]

MAT 120[3] or MAT 141

Total Hours: 14 – 15

Advising Notes:

Additional Course Options

CHM 211	Social Sciences Req. (6 hrs.)[4]
CHM 212[5]	SPC 200 or SPC 205
PHY 201	Elective Course (16 hrs.)[6]

[1] BIO 113 & BIO 114 are strongly recommended for this major; however, BIO 101 & 102 may be accepted in their place.
[2] If ENG 101 + 102 is taken for English Composition requirement, ENG 102 should be taken instead of the Arts & Humanities (Lit.) req.
[3] Students intending Medical/Dental/Pharmacy or other health professional schools are required to take MAT 120.
[4] Select any course from the Bridge Student Academic and Advising Guide that fulfills the Social Science requirements.
[5] Most health professional schools require the second semester of organic chemistry with laboratory.
[6] Take up to 16 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 (SCIENCEinfo@clemson.edu) for additional information about this worksheet.

General Education Requirements	Tri-County Courses	Clemson Equivalent Courses
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
	Students pursuing Army ROTC may satisfy the oral communication requirement by completing MLS 107 + MLS 108.	
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 2140, ENGL 2130, ENGL 2120, 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, or PHI 110	*Select one course from the following:* ART 2100, AAH 1010, STS 1010, MUSC 2100, PHIL 1010, PHIL 1020, or PHIL 1030
E. Mathematics: 7 – 8 credits	**MAT 140** MAT 120* or MAT 141	MATH 1060 STAT 2300 or MATH 1080
	**Students intending health professional schools are required to take MAT 120.*	
F. Natural Science w/lab: 16 credits	**BIO 113** & BIO 114 CHM 110 & CHM 111 BIO 101 BIO 102	BIOL 1100/1101 & BIOL 1110/1111 CH 1010/1011 & CH 1020/1021 BIOL 1030/1050 BIOL 1040/1060
G. Social Sciences: 6 credits **Note: 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).*	*Select two courses from the following:* ANT 101, ECO 210, ECO 211, HIS 101, HIS 102, HIS 201***, HIS 202, PSC 201***, PSY 201**, SOC 101**, or SOC 205	*Select two courses from the following:* ANTH 2010, ECON 2120, ECON 2110, HIST 1720, HIST 1730, HIST 1010, HIST 1020, POSC 1010, PSYC 2010, SOC 2010, or SOC 2020
	*** Strongly recommended for students intending Health Professional Careers* ****HIS 201 or PSC 201 strongly recommended to satisfy the REACH req. for graduation.*	
Global Challenges (6 total credits): *Exploring global, local, regional, national, international, virtual, or philosophical challenges.*		
H. Global Challenges: 3 credits	*Select one course from the following:* BIO 209, GEO 102, HIS 122, PSC 220, or REL 201	*Select one course from the following:* ENSP 2000 + ENSP 2999, GEOG 1030, HIST 1220, POSC 1020, or REL 2010
	Students should complete 3 credits during Bridge. At Clemson, an additional 3 credits must be completed at the 3000 level or higher. Courses must be from two different fields unless interdisciplinary; transfer credit does not satisfy the upper-level requirement.	

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.

Biological Sciences/Microbiology Engagement Opportunities

What co- and/or extracurricular activities should I get involved in at Clemson?
Getting involved in co- and extracurricular activities at Clemson is a great way to build connections, explore interests, and strengthen your resume. In the biological and life sciences fields, you can consider joining:

- Biological Sciences Honor Society
- Entomology Society
- Microbiology Society
- Tigers for Tigers
- Environmental Club
- Biomedical Applications Club
- Botanical Society of America (Clemson Chapter)

These organizations provide opportunities to engage with peers and faculty, explore specialized interests, gain hands-on experience, and develop leadership and teamwork skills that will benefit you academically and professionally.

Are there any co- and/or extracurricular activities I should get involved in at Tri-County?
At Tri-County, you can get involved by participating in Student Success Coaching and the Student Leadership Council, both of which help you build important skills like time management, communication, and leadership while connecting you with campus resources and peers. These opportunities support your academic progress and help you develop experiences that will prepare you for a successful transition to Clemson.

What opportunities should I be looking into, that will look good for my resume?
To strengthen your resume, look for opportunities that demonstrate leadership, engagement, and real-world experience.

Consider getting involved in:

- **BRIDGE to Clemson Orientation Ambassador** to build leadership and communication skills while supporting new students
- **National Society of Leadership and Success (NSLS)** at TCTC or Clemson to develop leadership experience and professional growth
- **Technology Club (TCTC)** to enhance technical skills and collaborate with peers
- **Shadowing experiences** in your field of interest to gain insight into potential career paths

These experiences help you build a well-rounded resume by showcasing initiative, leadership, and career exploration.

Should I prepare for higher education (a Master's or Doctoral degree) in my field?
Whether you should prepare for a Master's or Doctoral degree depends on your specific career goals, but in many health and science-related fields, pursuing additional education is often required or strongly recommended. If you are interested in professional pathways, you should begin exploring graduate and professional school options early, such as:

- Medical school (MD/DO)
- Dental school
- Pharmacy school
- Physician Assistant (PA) programs
- Occupational Therapy (OT) programs

Researching these pathways and their prerequisites early will help you plan your coursework and experiences effectively, ensuring you are well prepared if you choose to pursue advanced education.

Are there any experiential learning opportunities I can participate in when I get to Clemson?
Clemson offers several experiential learning opportunities to help you build skills and explore your career interests. You can get involved in:

- Creative Inquiry (CI) for undergraduate research and hands-on learning experiences
- Catalyst Competition to develop innovation, problem-solving, and presentation skills
- College of Science Career Fair to connect with employers and explore internship/job opportunities
- College of Science Career Exploration Day to learn more about career paths and industry options

These opportunities provide real-world experience, networking connections, and valuable skills that enhance your academic and career development.

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.