Science Teaching: Biological Sciences Curriculum Worksheet (2026 – 2027)

Bachelor of Science

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). **A 2.75 GPA is required for Bridging directly into an Education major at Clemson.** 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

BIO 101 or BIO 113

MAT 140

CHM 110

Total Hours: 15

Advising Notes:

Spring Semester

EDU 102

BIO 102 or BIO 114

CHM 111

ENG 102[1] or SPC 200 or SPC 205

HIS 201 or PSC 201

Total Hours: 17

Advising Notes:

Additional Course Options

Arts & Humanities (Lit.) Req.[2]

Arts & Hum. (Non-Lit.) Req.[2]

PHY 201

PHY 202

Global Challenges Req.[2]

[1] If ENG 101 + 102 is taken for English Composition requirement, ENG 102 should be taken instead of SPC 200 or SPC 205.

[2] See reverse side of this worksheet for options.

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. For the most up to date Academic Advisor for your major, please visit our website College of Education Student Advising or email educationundergrad@clemson.edu.

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 + ENGL 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: 4 credits	**MAT 140**	MATH 1060
F. Natural Science w/lab: 16 credits	**BIO 101** or BIO 113 BIO 102 or BIO 114 CHM 110 CHM 111	BIOL 1030/1050 or BIOL 1100/1101 BIOL 1040/1060 or BIOL 1110/1111 CH 1010/1011 CH 1020/1021
G. Social Sciences: 6 credits **Note: Other 3 credits must be in a different discipline than the first social science course (History or Political Science).*	HIS 201 or PSC 201 *Select one course from the following not chosen above*: ANT 101, ECO 210, ECO 211, HIS 101, HIS 102, HIS 201*, HIS 202, PSC 201*, PSY 201, SOC 101, or SOC 205	HIS 1010 or POSC 1010 *Select one course from the following not chosen above:* ANTH 2010, ECON 2120, ECON 2110, HIST 1720, HIST 1730, HIST 1010*, HIST 1020, POSC 1010*, PSYC 2010, SOC 2010, or SOC 2020
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 can complete up to 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.	
Major Specific Requirements	**Tri-County Courses**	**Clemson Equivalent Courses**
I. Education: 3 credits	EDU 102	ED 1050 + ED 1999

Note: This major has specific requirements a student must complete during their Bridge year to Bridge directly into this major at Clemson. See the next page for a complete list of requirements.

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.

College of Education | Major Entry Information

Entry into education majors requires students to maintain a **minimum cumulative GPA of 2.75** to successfully cross the Bridge into their intended program. In addition, students must satisfy the **Praxis Core requirement** (either by testing or qualifying for a waiver—details are provided to Bridge students separately).

To enter directly into an education program and advance to professional-level coursework at Clemson, Bridge students must meet the following requirements by the end of their Bridge year:

1. **Earn a cumulative GPA of 2.75 or higher**
2. **Satisfy the Praxis Core requirement** through one of the following:
    - Earn an SAT score of 1100 or higher, or
    - Earn an ACT score of 22 or higher, or
    - **Take and pass the Praxis Core exam** (www.ets.org/praxis)
3. **Complete all Bridge program requirements**, including:
    - Earning at least 30 credit hours
    - Maintaining a minimum of 2.5 GPA

What if a student does not meet major entry requirements?

If a Bridge student does not meet all program-specific requirements, they may need to complete **additional semesters or summer coursework** to fulfill requirements in math, modern languages, or other prerequisite courses.

Students who do not meet the **minimum 2.75 GPA requirement** will not be eligible for direct admission into a College of Education program. However, these students may:

- Transition to Clemson in an **alternate major**, and
- Explore the **change-of-major application process** after enrolling at Clemson

Please note that additional coursework may delay graduation for some students.

Advisor Contact Information:

For the most up-to-date information on your assigned academic advisor:

- Visit the **College of Education Student Advising website**, or
- Email: **educationundergrad@clemson.edu**

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.

Education Engagement Opportunities

What co- and/or extracurricular activities should I get involved in at Clemson?
There are many great ways to get involved at Clemson, especially within the College of Education, that will help you build connections, develop professionally, and prepare for your future career. I recommend exploring a mix of organizations, professional development opportunities, and advising events, such as:

- Clemson CoE Student Chapter of the Palmetto State Teachers Association (PSTA)
- Clemson CoE Student Chapter of Aspiring Educators (SCEA)
- Teaching Children of Poverty Scholars (TCOPS) through the Center of Excellence
- Behavior Alliance of South Carolina learning modules to strengthen classroom readiness
- Other Clemson clubs and organizations to broaden your involvement and interests

Additionally, be sure to stay engaged with advising and college events:

- Attend Bridge Advise-A-Thon and "Are You On Track" events to connect with College of Education advisors
- Participate in College of Education Open House events, held on the first Friday of each month

Getting involved in these opportunities will help you build a strong support network, gain valuable experience, and feel more prepared as you move into your education program.

Are there any co- and/or extracurricular activities I should get involved in at Tri-County?
Get involved at Tri-County by connecting early with campus partners and using resources like career services, tutoring, and student clubs. The TCTC and Bridge offices also provide helpful support, and engaging with them early will make your transition to Clemson smoother.

What opportunities should I be looking into, that will look good for my resume?
To strengthen your resume, get involved in student organizations and clubs, pursue leadership roles, and seek hands-on experience by working in afterschool programs, substituting in local schools, or volunteering with youth and families, while also participating in leadership development activities.

Should I prepare for higher education (a Master's or Doctoral degree) in my field?
You are not required to pursue a Master's or Doctoral degree for most education careers, but Clemson's College of Education offers several strong options if your career goals call for advanced study. These include:

- Teacher Residency (M.A.T.)
- Teaching & Learning (M.Ed.)
- Educational Leadership (M.Ed./Ed.S.)
- Counselor Education (M.Ed./Ed.S.)
- Athletic Leadership (M.S.)
- Literacy (M.Ed.)

Pursuing an advanced degree can open doors to specialized roles, leadership positions, or higher earning potential, but the decision should be based on your long-term career goals and interests.

Are there any experiential learning opportunities I can participate in when I get to Clemson?
Clemson offers many experiential learning opportunities through the College of Education that help you gain hands-on experience and explore your interests. These include:

- **Engagement events:** Tiger Prowl, CoE Student Organization Fair
- **Campus resources:** Education Media Center (Tillman Hall 212)
- **Academic experiences:** Place-based Learning & Outdoor Education course cluster
- **Add-on certifications:** ESOL, Early Childhood, Elementary
- **Creative Inquiry projects:**
  - Tiger Pen Pals
  - ClemsonLIFE Mentoring
  - Adaptive Sports
  - Evaluating Children's Literature
- **Study Abroad (faculty-led):**
  - Reggio Emilia, Italy
  - London, England
  - Eleuthera, Bahamas

These opportunities allow you to apply what you learn in real-world settings while building valuable skills for your future career.