

Fermentation Sciences, BS

This is a different major from [Chemistry, Fermentation Sciences, BS](#)

[FER vs CHE: Fermentation Science concentration](#)

Placement Exams for the Major:

Please note that all tests below are timed tests that can only be attempted once. Therefore, please take a moment to prepare and make sure your calculator has fresh batteries or is fully charged. During the test, please turn off all distractions.

1. [Math Placement Test](#) - Only if your SAT MAT was less than 550 or your ACT MAT was less than 22. Take this online placement test as soon as possible and prior to registering for classes. If you don't pass the Math Placement Test with a score of 10 or higher, then register for MAT 1001.

First-Year Student Course Recommendations:

1. R C 1000 (3 hrs) or UCO 1200 (3 hrs) if there are seats available. If not, it's fine to take both classes in the spring semester.
2. Enroll in **MAT 1020** (4 hrs) (if you successfully passed the Math Placement requirements)
3. Enroll in **CHE 1101** (3 hrs; lecture) & **CHE 1110** (1 hr; lab)
 - a. If your SAT MAT was less than 550 or your ACT MAT was less than 22, you will need to register for MAT 1020 before you can register for CHE.
 - i. Please note that waitlisting for a math class does NOT count as registered.
 - b. Review the CFS Department's [Registration Assistance webpage](#).
 - c. Review these [Chemistry Registration Tips](#).
4. **FER 1000** (3 hrs) (counts toward both **Humanity & Its System (HUM)** and major) or **FER 2000** (3 hrs) (major requirement).
5. PE (1 to 2 hrs)

[Having trouble registering?](#)

- Review the [Student Self-Service Guide](#) for Registration instructions and videos.
- If the courses above are closed, [add yourself to waitlists](#).
- Then add appropriate classes from page 2 of the [2025-2026 Checksheet](#) until you have registered for 12-15 total hours.
- Use the [Gen Ed Requirements in the Bulletin](#) to look up Gen Ed course descriptions.
- Use this [Course Prefixes/Subjects list](#) to know which subject to choose in the Class Search in AppalNet.
- Rewatch the [Gen Ed video in PREP](#) to better understand the Categories and Designations components of Gen Ed.
 - All English Literary Studies: ENG xxxx (LS) designation courses have a prerequisite of R C 1000, First Year Writing (R C = Rhetoric & Composition.)
- BOONE CAMPUS students: Here is a [color-coded 2-page General Education checksheet](#) (updated 3x/day) that shows which Boone Campus Gen Ed classes have open seats.

Alternative Courses for Your First Semester:

Can't get into the classes above? Try these:

- Enroll in **BIO 1801** (4 hrs; lecture and lab)
- FER 2000 (1 hr)
- Enroll in another General Education Course*
- A [Foundations of American Democracy \(FAD\) course](#) **unless** you've already met this requirement (check DegreeWorks).
- Enroll in one more BUS 1050 (required for major) or ACC 1050 (required for major)

*Please plan for your Fine Arts (FA), Historical Studies (HS), and Literary Studies (LS) designations appropriately.

- Plan to take one of these HIS 2525, HIS 3728, HIS 1200 or IDS 2000 to complete your HS designation and your Foundations of American Democracy (FAD) degree requirement (indicated by a  symbol on the [2025-2026 General Education Program of Study](#)).
 - Note which category the HIS class you choose is in. This will impact your final two designations.
 - If you choose HIS 1200 or IDS 2000 in the **Humanity & Its Systems category (HUM)**
 - Pick one FA or LS** designation from the **Sustainability & Climate Literacy (SCL)** category.
 - Pick the remaining FA or LS** designation from the **Intercultural Literacy (ICL)** category.
 - If you choose HIS 2525 or HIS 3728 (plan for this in a future semester) in the **Intercultural Literacy (ICL) (ICL)** category.
 - Pick the one FA or LS** designation from the **Sustainability & Climate Literacy (SCL)** category.
 - Pick the remaining FA or LS** designation from any category.
- Eventually a FER major will complete FER 1000, FER 2200, and ECO 2030 (Social Science designation: SS) in the **Humanity & Its System (HUM)** category.

**Note: all English (ENG) Literary Studies (LS) designation courses have a prerequisite of R C 1000, First Year Writing.

Have you built a 14-16 hour schedule using the classes above?

Are you looking for a class to help you build your skills to be successful in college and help you adjust to college life? Check out these elective courses: [College Success Seminar](#) and [Academic Success Courses](#).