

BIOLOGY (B.S.) Four-Year Graduation Guarantee 2021-2022 Catalog

Cedar Crest College's Four-Year Graduation (4YG) Guarantee is open to all academically qualified candidates enrolled full-time in a 4year bachelor's degree program, with the exception of Nuclear Medicine Technology. It does not apply to dual degree, fifth-year, or graduate programs. Provided students comply with all of the conditions of the program, Cedar Crest College will guarantee graduation within four years. The guarantee extends to one major only. While many students add additional majors and minors and finish within four years, Cedar Crest will not be able to provide four year guarantee in those cases.

<u>Conditions</u>

By signing below, _______ is enrolled in the 4YG program for the Biology (BS) major under the 2021-2022 catalog requirements and agrees to

- assume ultimate responsibility for monitoring academic progress and the completion of all academic requirements;
- enroll at Cedar Crest for four continuous academic years;
- remain in good academic standing;
- complete an average of 30 new credits in each academic year. Courses must be selected in consultation with her academic advisor and 4YG coordinator and must apply to the recommended course sequence on page 2;
- maintain the GPA requirements of the Biology (BS) major and Liberal Arts Curriculum;
- meet regularly with her assigned academic advisor and 4YG coordinator following the schedule outlined below;
- resolve all outstanding holds that would prevent registration prior to the start of registration for each semester;
- register for classes each semester on the date appropriate for class standing as set forth by the Registrar;
- be responsive to communication from Cedar Crest College, including advisors and the 4YG coordinator;
- officially declare a Biology (BS) major by the completion of 30 credits. If a change of major is requested after 30 credits, the ability to sign a new 4YG contract is not guaranteed.
- complete the following and all other Biology (BS) major requirements:
 - Earn a minimum 2.0 cumulative GPA and 2.0 GPA in major coursework.
 - o Earn a C- or better in all courses taken for major requirements.
 - Earn a C- or better in all prerequisite courses before proceeding to subsequent courses.
 - Complete freshman core courses during the first year of enrollment; sophomore core courses during the second year of enrollment; BIO 350 in the third fall semester; and BIO 356 in the fourth fall semester
 - Complete at least 11 credits toward the elective requirement prior to the final semester.
 - Complete CHE 111 and 112 during the first year of enrollment; CHE 205 in the second fall of enrollment; and CHE 206 during the second spring of enrollment or CHE 320 when offered during the second or third spring.
 - Abide by all other departmental policies and successfully meet all other graduation requirements.

The 4YG does not guarantee that courses will be offered at a particular time or on particular days, nor can it assure graduation in four years if accreditation agencies require immediate curricular changes. This agreement pertains only to the catalog specified; if major requirements change and the student elects to follow the newer requirements, this contract is void.

If a student meets all of the degree/program requirements but cannot graduate in four years because a course or courses are not available, the student will meet with her advisor as soon as the problem is discovered to discuss options for completion. These options could include a course substitution, an independent study, or permission to enroll in the course in a subsequent semester at no tuition cost to the student.

Required Meeting Schedule:

| | Semester 1 | Semester 2 | Semester 3 | Semester 4 |
|--------------------------|------------------------------------|------------------------------------|------------------------------------|------------------------------------|
| Beginning of Semester | Advisor 4YG Coordinator | Advisor 4YG Coordinator | Advisor 4YG Coordinator | Advisor 4YG Coordinator |
| Prior to registration | Advisor 4YG Coordinator | Advisor 4YG Coordinator | Advisor 4YG Coordinator | Advisor 4YG Coordinator |
| | | | | |
| | Semester 5 | Semester 6 | Semester 7 | Semester 8 |
| Beginning of Semester | Semester 5 Advisor 4YG Coordinator | Semester 6 Advisor 4YG Coordinator | Semester 7 Advisor AYG Coordinator | Semester 8 Advisor 4YG Coordinator |

I agree to the stipulations set forth in this agreement.

Student Signature

Date

ID Number

Entry Term

Advisor Signature



BIOLOGY (B.S.) Recommended Course Sequence 2021-2022 Catalog

| FALL 2021 | | | SPRING 2 | SPRING 2022 | | | |
|-----------|-----|---|-----------------------|-------------|-----------|--|--------------|
| Course | Cr | Title | \checkmark | Course | Cr | Title | \checkmark |
| BIO 123 | 4 | Foundations in Biology | | BIO 124 | 4 | Principles of Cell and Molecular Biology | |
| CHE 111 | 4 | Chemical Principles | | CHE 112 | 4 | Chemical Equilibrium and Analysis | |
| MAT 141 | 3 | Calculus I | | MAT 142 | 3 | Calculus II | |
| FYS | 3 | First Year Seminar | | WRI 100 | 3 | College Writing | |
| CCC 101 | 0.5 | College Life | | CCC 102 | 0.5 | Exploring Your Future | |
| FALL 2022 | | SPRING 2023 | | | | | |
| Course | Cr | Title | ✓ | Course | Cr | Title | ✓ |
| BIO 239 | 4 | Animal Ecology, Development, and Evolution | | BIO 231 | 4 | Genetics | |
| CHE 205 | 4 | Organic Chemistry I | | CHE | 4 or 3 | CHE 206 Organic Chemistry II*** or elective** | |
| ETL 235 | 3 | Ethical Life | | | 3 | Social Science LAC course | |
| | 3 | Humanities LAC course | | CCC 20X | 3 | Sophomore Expedition | |
| | | | | | 3 | Arts LAC course | |

| FALL 2023 | | | SPRING 2024 | | | | |
|-----------|-----|---------------------------|--------------|--------|-----------|---|----------|
| Course | Cr | Title | \checkmark | Course | Cr | Title | √ |
| BIO 350 | 2 | Junior Colloquium | | | 4 or 3 | CHE 320 Environmental Chemistry *** <i>or</i> elective** | |
| | 1-4 | Biology elective* | | | 1-4 | Biology elective* | |
| | 3 | elective** | | | 3 | elective** | |
| | 3 | Arts LAC course | | | 3 | Humanities LAC course | |
| | 3 | Social Science LAC course | | 1 | | · | |

| FALL 2024 | | | SPRING 2025 | | | 5 | | |
|-----------|-----|---------------------------------|-----------------------|--------|-----|-------------------|----------|--|
| Course | Cr | Title | ✓ | Course | Cr | Title | ↓ | |
| BIO 356 | 3 | Science, Ethics, and Society | | | 1-4 | Biology elective* | | |
| | 1-4 | Biology elective* | | | 3 | elective** | | |
| | 1-4 | elective** or Biology elective* | | | 3 | elective** | | |
| | 3 | elective** | | | 3 | elective** | | |
| | 3 | elective** | | | 3 | elective** | | |

* Biology electives: 15 credits from any additional 200- or 300-level BIO courses except BIO 354 and BIO 357. CHE 217 or CHE 307, CHE 308, and FSC 348 may be applied. A student may apply up to 2 credits of BIO 243 or BIO 353 or CHE 391 or HON 350/351, and up to 1 credit of BIO 201. At least one course must be a 4-credit lecture/lab course.

** Electives must be included to ensure that the overall total number of credits reaches the 120 credits needed to complete a degree.

*** CHE 206 is offered every spring; the alternative, CHE 320, is offered in alternate years.

Liberal Arts Curriculum (LAC) and College-Wide Requirements

| Natural Science (Sci). 7 cl. total, one must be a lab-based course | |
|--|---|
| 1. BIO 123 2. BIO 124 | 1. WRI 100 2. BIO 356 |
| Arts (ART): 6 cr. total, one must be a 3 cr. course | Humanities (HUM): 2 courses, 6 cr. total |
| 1. 2 | 1. 2 |
| Mathematics & Logic (ML): 6 cr. total, one must be a MAT course | Social Science (SS): 2 courses, 6 cr. total |
| 1. MAT 141 2. MAT 142 | 1. 2 |
| Ethics (ETH): 1 course, 3 cr. | Global Studies (GS): 1 course, 3 cr. |
| 1. ETL 235 | 1. CCC 201 |
| Technology: 3 cr. | Information Literacy: 3 cr. |
| 1. BIO 239, 231, 350, and 356 | 1. BIO 239, 231, 350, and 356 |
| Oral Presentation: 3 cr. | |
| 1. BIO 124, 239, 350, and 356 | |