

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.

## Conditions

is enrolled in the 4YG program for the Biochemistry major under the 2017 By signing below, 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 Biochemistry 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 Biochemistry 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 Biochemistry major requirements:
  - Earn a 2.0 GPA in Chemistry courses prior to declaring the Biochemistry major. 0
  - Earn a C or better in all 100 and 200 level Chemistry courses taken for major requirements. 0
  - 0 Earn a 2.0 GPA in all Chemistry, Biology, and cognate courses taken for major requirements. Only two grades of Cin 300 level Chemistry courses can be used to fulfill major requirements.
  - Earn a C-or higher in all cognate courses taken for major requirements. 0
  - Complete all major courses in the first attempt with the grade required by the major. 0
  - Abide by all other departmental policies and successfully meet all other graduation requirements. 0

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<br>Semester | Advisor<br>4YG Coordinator         | Advisor     AYG Coordinator              | Advisor<br>4YG Coordinator         | Advisor     4YG Coordinator        |
| Prior to registration    | Advisor<br>4YG Coordinator         | Advisor<br>4YG Coordinator               | Advisor<br>4YG Coordinator         | Advisor<br>4YG Coordinator         |
|                          |                                    |  |                                    |                                    |
|                          | Semester 5                         | Semester 6                               | Semester 7                         | Semester 8                         |
| Beginning of<br>Semester | Semester 5 Advisor AYG Coordinator | Semester 6<br>Advisor<br>4YG Coordinator | Semester 7 Advisor AYG Coordinator | Semester 8 Advisor 4YG Coordinator |

I agree to the stipulations set forth in this agreement.

**Student Signature** 

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Date
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**ID** Number

Entry Term

4YG Coordinator Signature



## BIOCHEMISTRY Recommended Course Sequence 2017-2018 Catalog

| FALL 201 | 17  |                        |              | SPRING 2 | 018 |   |                       |
|----------|-----|------------------------|--------------|----------|-----|---|-----------------------|
| Course   | Cr  | Title                  | $\checkmark$ | Course   | Cr  | Title                                       | $\checkmark$          |
| CHE 111  | 4   | Chemical Principles    |              | CHE 112  | 4   | Chemical Equilibrium                        |                       |
| BIO 123  | 4   | Foundations in Biology |              | BIO 124  | 4   | Principles of Cell and Molecular<br>Biology |                       |
| 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 201 | 18  |                        |              | SPRING 2 | 019 |   |                       |
| Course   | Cr  | Title                  | ✓            | Course   | Cr  | Title                                       | <ul> <li>✓</li> </ul> |
| CHE 205  | 4   | Organic Chemistry I    |              | CHE 206  | 4   | Organic Chemistry II                        |                       |
| PHY 101  | 4   | Physics I              |              | PHY 102  | 4   | Physics II                                  |                       |
| CHE 230  | 4   | Analytical Chemistry   |              | BIO 231  | 4   | Genetics                                    |                       |
| ETL 235  | 3   | Ethical Life           |              | CCC 201  | 3   | Sophomore Expedition                        |                       |
|          | 3   | Art LAC course         |              |          |     |   |                       |

| FALL 2019 |     |                       | SPRING 2020  |         |     |                       |                       |
|-----------|-----|-----------------------|--------------|---------|-----|-----------------------|-----------------------|
| Course    | Cr  | Title                 | $\checkmark$ | Course  | Cr  | Title                 | <ul> <li>✓</li> </ul> |
| CHE 300   | 3   | Technical Information |              | CHE 302 | 4   | Instrumental Analysis |                       |
| CHE 307   | 4   | Biochemistry I        |              | CHE 308 | 4   | Biochemistry II       |                       |
| CHE 331   | 3-4 | Inorganic Chemistry   |              | CHE 391 | 3   | Research              |                       |
| BIO 248   | 3   | Biostatistics         |              |         | 3-4 | BCH elective*         |                       |
|           | 3   | Humanities LAC course |              |         |     |                       | i                     |

| FALL 2020 |    |                           | SPRING 2              | SPRING 2021 |     |                           |   |
|-----------|----|---------------------------|-----------------------|-------------|-----|---------------------------|---|
| Course    | Cr | Title                     | <ul> <li>✓</li> </ul> | Course      | Cr  | Title                     | ✓ |
| BIO 335   | 4  | Molecular Genetics        |                       |             | 3-4 | BCH elective*             |   |
| CHE 335   | 4  | Physical Chemistry I      |                       | CHE 352     | 1   | Seminar                   |   |
| CHE 391   | 3  | Research                  |                       |             | 3   | Social Science LAC course |   |
|           | 3  | Social Science LAC course |                       |             | 3   | Art LAC course            |   |
|           | 3  | elective***               |                       |             | 3   | Humanities LAC course     |   |

\*Choose 2 courses from: CHE 306, 314, 320, 344, 336; BIO 227, 313, 336.

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

## Liberal Arts Curriculum (LAC) and College-Wide Requirements

| Natural Science (SCI): 7 cr. total, one must be a lab-based course | Writing (WRI1, WRI2): 2 courses, 6 cr. total |
|--|--|
| 1. CHE 111<br>2. CHE 112   | 1. WRI 100<br>2. CHE 300                     |
| Arts (ART): 6 cr. total, one must be a 3 cr. course                | Humanities (HUM): 2 courses, 6 cr. total     |
| 1.<br>2  | 1.<br>2                                      |
| Mathematics & Logic (ML): 6 cr. total, one must be a MAT course    | Social Science (SS): 2 courses, 6 cr. total  |
| 1. MAT 141<br>2. MAT 142   | 1.<br>2                                      |
| Ethics (ETH): 1 course, 3 cr.                                      | Global Studies (GS): 1 course, 3 cr.         |
| 1. ETL 235   | 1. CCC 201                                   |
| Technology:  | Information Literacy:                        |
| 1. CHE 300, 302, 335, 307, 352, and 391                            | 1. CHE 300                                   |
| Oral Presentation:   |  |
| 1. CHE 352 and 391   |  |