



OGLETHORPE

UNIVERSITY

B.S. Chemistry (20-21 Bulletin)

<https://bulletin.oglethorpe.edu/9-major-minor-programs-requirements/>

CORE Requirements

| <u>Freshman Year</u> | <u>Sophomore Year</u> | <u>Junior Year</u> | <u>Senior Year</u> | <u>Required Humanities</u> | <u>Required Math</u> |
|----------------------|-----------------------|--------------------|--------------------|----------------------------|----------------------|
| COR 101 (4hrs) | COR 201 (4hrs) | COR 301 (4hrs) | COR 400 (4hrs) | Choose One: | COR 314 (4hrs) |
| COR 102 (4hrs) | COR 202 (4hrs) | COR 302 (4hrs) | | COR 103 (4hrs) | |
| | | | | COR 104 (4hrs) | |

Major Course Requirements

Completion of all of the following courses, each with a grade of "C- or better:

- CHM 101 General Chemistry I (and laboratory, CHM 101L) (5hrs)
Pre-req: Satisfaction of the mathematics placement requirement
- CHM 102 General Chemistry II (and laboratory, CHM 102L) (5hrs)
Pre-req: Satisfaction of the mathematics placement requirement and CHM 101 and CHM 101L with a grade of "C-" or higher.
- CHM 201 Organic Chemistry I (and laboratory, CHM 201L) (5hrs)
Pre-req: CHM 102 and CHM 102L with a grade of "C-" or higher.
- CHM 202 Organic Chemistry II (and laboratory, CHM 202L) (5hrs)
Pre-req: CHM 201 and CHM 201L with a grade of "C-" or higher.
- CHM 301 Physical Chemistry I (and laboratory, CHM 301L) (5hrs)
Pre-req: MAT 233, CHM 202 and PHY 102 with a grade of "C-" or higher in each course.
- CHM 302 Physical Chemistry II (and laboratory, CHM 302L) (5hrs)
Pre-req: MAT 233, CHM 202 and PHY 102 with a grade of "C-" or higher in each course.
- CHM 310 Elementary Quantitative Analysis (and laboratory, CHM 310L) (5hrs)
Pre-req: CHM 201 with a grade of "C-" or higher.
- CHM 422 Instrumental Methods of Chemical Analysis (and laboratory, CHM 422L) (5hrs)
Pre-req: CHM 310.
- CHM 424 Advanced Organic Chemistry (and laboratory, CHM 424L) (5hrs)
Pre-req: CHM 202 with a grade of "C-" or higher.
- CHM 432 Inorganic Chemistry (and laboratory, CHM 432L) (5hrs)
Pre-req: CHM 302.
- CHM 434 Organic Spectroscopy (and laboratory, CHM 434L) (5hrs)
Pre-req: CHM 202 with a grade of "C-" or higher.

Overall Graduation Requirements

<http://bulletin.oglethorpe.edu/8-degrees-offered-graduation-requirements/8-5-graduation-requirements/8-5-4-bachelor-science/>

Things to Remember

- Meet with your Academic Advisor before registering for courses
- Create a 4-year graduation plan and update every semester.
- Visit your faculty during their office hours.
- Visit the Study Abroad Office
- Visit the Career Development Office
- Visit the A_Lab
- Visit Academic Success

| | |
|---------------------------|---|
| Academic Success | http://success.oglethorpe.edu/ |
| A_Lab | http://alab.oglethorpe.edu/ |
| Library | http://library.oglethorpe.edu |
| Career Development | http://alab.oglethorpe.edu/careerdevelopment/ |
| HUB | http://hub.oglethorpe.edu/ |

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**See the Oglethorpe Bulletin for a complete list of graduation requirements:
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OGLETHORPE UNIVERSITY

B.S. Chemistry: Four Year Plan with Math Pre-Req (20-21 Bulletin)

<https://bulletin.oglethorpe.edu/9-major-minor-programs-requirements/>

CORE Requirements

| | | | | | |
|----------------------|-----------------------|--------------------|--------------------|--------------------------------|----------------------|
| <u>Freshman Year</u> | <u>Sophomore Year</u> | <u>Junior Year</u> | <u>Senior Year</u> | <u>Required Culture</u> | <u>Required Math</u> |
| COR 101 (4hrs) | COR 201 (4hrs) | COR 301 (4hrs) | COR 400 (4hrs) | Choose One: | COR 314 (4hrs) |
| COR 102 (4hrs) | COR 202 (4hrs) | COR 302 (4hrs) | | COR 103/COR 104/COR 105 (4hrs) | |

Suggested Four Year Plan (Odd Start Year e.g. 2019)

| FRESHMAN YEAR | | | |
|--|-----------|---|-----------|
| FALL | Credits | SPRING | Credits |
| MAT 120 Intro to Functions | 4 | MAT 130 Advanced Functions | 4 |
| CHM 101/101L General Chemistry I + Lab | 5 | CHM 102/102L General Chemistry II + Lab | 5 |
| COR 101 Narratives of the Self I | 4 | COR 102 Narratives of the Self II | 4 |
| COR 103 OR 104 OR 105 (Choose 1) | 4 | General Elective | 4 |
| | 17 | | 17 |
| SOPHOMORE YEAR | | | |
| FALL | Credits | SPRING | Credits |
| MAT 131 Calculus I | 4 | MAT 132 Calculus II | 4 |
| CHM 201/201L Organic Chemistry I + Lab | 5 | CHM 202/202L Organic Chemistry II + Lab | 5 |
| COR 201 Human Nature & Social Order I | 4 | COR 202 Human Nature & Social Order II | 4 |
| PHY 101/101L General Physics I +Lab | 5 | PHY 101/101L General Physics I +Lab | 5 |
| | 18 | | 18 |
| JUNIOR YEAR | | | |
| FALL | Credits | SPRING | Credits |
| MAT 133 Calculus III | 4 | | |
| CHM 301/301L Physical Chemistry I + Lab | 5 | CHM 302/302L Physical Chemistry II + Lab | 5 |
| CHM 4XX Required Chemistry Course | 5 | CHM 4XX Required Chemistry Course | 5 |
| COR 301 Historical Perspectives & Social Order I | 4 | COR 302 Historical Perspectives & Social Order II | 4 |
| | 18 | | 14 |
| SENIOR YEAR | | | |
| FALL | Credits | SPRING | Credits |
| CHM 4XX Required Chemistry Course | 5 | CHM 4XX Required Chemistry Course | 5 |
| General Elective | 4 | CHM 310/310L Quantitative Analysis + Lab | 5 |
| COR 314 Math & Human Nature | 4 | COR 400 Science & Human Nature | 4 |
| | 13 | | 14 |

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CORE Requirements

| | | | | | |
|--|---|--|--------------------------------------|---|--|
| <u>Freshman Year</u> COR 101 (4hrs) COR 102 (4hrs) | <u>Sophomore Year</u> COR 201 (4hrs) COR 202 (4hrs) | <u>Junior Year</u> COR 301 (4hrs) COR 302 (4hrs) | <u>Senior Year</u> COR 400 (4hrs) | <u>Required Culture</u> Choose One: COR 103/COR 104/COR 105 (4hrs) | <u>Required Math</u> COR 314 (4hrs) |
|--|---|--|--------------------------------------|---|--|

Suggested Four Year Plan (Even Start Year e.g. 2018)

| FRESHMAN YEAR – Math Pre-Req Suggested Four Year Plan (Even Start Year e.g. 2018) | | | |
|---|-----------|---|-----------|
| FALL | Credits | SPRING | Credits |
| MAT 120 Intro to Functions | 4 | MAT 130 Advanced Functions | 4 |
| CHM 101/101L General Chemistry I + Lab | 5 | CHM 102/102L General Chemistry II + Lab | 5 |
| COR 101 Narratives of the Self I | 4 | COR 102 Narratives of the Self II | 4 |
| COR 103 OR 104 OR 105 (Choose 1) | 4 | General Elective | 4 |
| | 17 | | 17 |
| SOPHOMORE YEAR | | | |
| FALL | Credits | SPRING | Credits |
| MAT 131 Calculus I | 4 | MAT 132 Calculus II | 4 |
| CHM 201/201L Organic Chemistry I + Lab | 5 | CHM 202/202L Organic Chemistry II + Lab | 5 |
| COR 201 Human Nature & Social Order I | 4 | COR 202 Human Nature & Social Order II | 4 |
| General Elective | 4 | CHM 310/310L Quantitative Analysis + Lab | 5 |
| | 17 | | 18 |
| JUNIOR YEAR | | | |
| FALL | Credits | SPRING | Credits |
| MAT 133 Calculus III | 4 | | |
| PHY 201/101L College Physics I +Lab | 5 | PHY 201/101L College Physics I +Lab | 5 |
| CHM 4XX Required Chemistry Course | 5 | CHM 4XX Required Chemistry Course | 5 |
| COR 301 Historical Perspectives & Social Order I | 4 | COR 302 Historical Perspectives & Social Order II | 4 |
| | 18 | | 14 |
| SENIOR YEAR | | | |
| FALL | Credits | SPRING | Credits |
| CHM 4XX Required Chemistry Course | 5 | CHM 4XX Required Chemistry Course | 5 |
| CHM 301/301L Physical Chemistry I + Lab | 5 | CHM 302/302L Physical Chemistry II + Lab | 5 |
| COR 314 Mathematics & Human Nature | 4 | COR 400 Science & Human Nature | 4 |
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OGLETHORPE

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B.S. Chemistry: Four Year Plan with Math Proficiency (20-21 Bulletin)

<https://bulletin.oglethorpe.edu/9-major-minor-programs-requirements/>

CORE Requirements

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|--|---|--|--------------------------------------|---|--|
| <u>Freshman Year</u> COR 101 (4hrs) COR 102 (4hrs) | <u>Sophomore Year</u> COR 201 (4hrs) COR 202 (4hrs) | <u>Junior Year</u> COR 301 (4hrs) COR 302 (4hrs) | <u>Senior Year</u> COR 400 (4hrs) | <u>Required Culture</u> Choose One: COR 103/COR 104/COR 105 (4hrs) | <u>Required Math</u> COR 314 (4hrs) |
|--|---|--|--------------------------------------|---|--|

Suggested Four Year Plan (Odd start year e.g. 2019)

| FRESHMAN YEAR – Math Proficiency Suggested Four Year Plan (Odd Start Year e.g. 2019) | | | |
|--|-----------|---|-----------|
| FALL | Credits | SPRING | Credits |
| MAT 131 Calculus I | 4 | MAT 132 Calculus II | 4 |
| CHM 101/101L General Chemistry I + Lab | 5 | CHM 102/102L General Chemistry II + Lab | 5 |
| COR 101 Narratives of the Self I | 4 | COR 102 Narratives of the Self II | 4 |
| COR 103 OR 104 OR 105 (Choose 1) | 4 | General Elective | 4 |
| | 17 | | 17 |
| SOPHOMORE YEAR | | | |
| FALL | Credits | SPRING | Credits |
| MAT 133 Calculus III | 4 | | |
| CHM 201/201L Organic Chemistry I + Lab | 5 | CHM 202/202L Organic Chemistry II + Lab | 5 |
| COR 201 Human Nature & Social Order I | 4 | COR 202 Human Nature & Social Order II | 4 |
| PHY 201/101L College Physics I +Lab | 5 | PHY 201/101L College Physics I +Lab | 5 |
| | 18 | | 14 |
| JUNIOR YEAR | | | |
| FALL | Credits | SPRING | Credits |
| CHM 301/301L Physical Chemistry I + Lab | 5 | CHM 302/302L Physical Chemistry II + Lab | 5 |
| COR 301 Historical Perspectives & Social Order I | 4 | COR 302 Historical Perspectives & Social Order II | 4 |
| CHM 4XX Required Chemistry Course | 5 | CHM 4XX Required Chemistry Course | 5 |
| General Elective | 4 | General Elective | 4 |
| | 18 | | 18 |
| SENIOR YEAR | | | |
| FALL | Credits | SPRING | Credits |
| CHM 4XX Required Chemistry Course | 5 | CHM 4XX Required Chemistry Course | 5 |
| General Elective | 4 | CHM 310/310L Quantitative Analysis + Lab | 5 |
| COR 314 Mathematics & Human Nature | 4 | COR 400 Science & Human Nature | 4 |
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| <u>Freshman Year</u> COR 101 (4hrs) COR 102 (4hrs) | <u>Sophomore Year</u> COR 201 (4hrs) COR 202 (4hrs) | <u>Junior Year</u> COR 301 (4hrs) COR 302 (4hrs) | <u>Senior Year</u> COR 400 (4hrs) | <u>Required Culture</u> Choose One: COR 103/COR 104/COR 105 (4hrs) | <u>Required Math</u> COR 314 (4hrs) |
|--|---|--|--------------------------------------|---|--|

Suggested Four Year Plan (Even start year e.g. 2018)

| FRESHMAN YEAR – Math Proficiency Suggested Four Year Plan (Even Start Year e.g. 2018) | | | |
|---|-----------|---|-----------|
| FALL | Credits | SPRING | Credits |
| MAT 131 Calculus I | 4 | MAT 132 Calculus II | 4 |
| CHM 101/101L General Chemistry I + Lab | 5 | CHM 102/102L General Chemistry II + Lab | 5 |
| COR 101 Narratives of the Self I | 4 | COR 102 Narratives of the Self II | 4 |
| COR 103 OR 104 OR 105 (Choose 1) | 4 | General Elective | 4 |
| | 17 | | 17 |
| SOPHOMORE YEAR | | | |
| FALL | Credits | SPRING | Credits |
| MAT 133 Calculus III | 4 | CHM 310/310L Quantitative Analysis + Lab | 5 |
| CHM 201/201L Organic Chemistry I + Lab | 5 | CHM 202/202L Organic Chemistry II + Lab | 5 |
| COR 201 Human Nature & Social Order I | 4 | COR 202 Human Nature & Social Order II | 4 |
| General Elective | 4 | General Elective | 4 |
| | 17 | | 18 |
| JUNIOR YEAR | | | |
| FALL | Credits | SPRING | Credits |
| General Elective | 4 | | |
| COR 301 Historical Perspectives & Social Order I | 4 | COR 302 Historical Perspectives & Social Order II | 4 |
| CHM 4XX Required Chemistry Course | 5 | CHM 4XX Required Chemistry Course | 5 |
| PHY 201/101L College Physics I +Lab | 5 | PHY 201/101L College Physics I +Lab | 5 |
| | 18 | | 14 |
| SENIOR YEAR | | | |
| FALL | Credits | SPRING | Credits |
| CHM 4XX Required Chemistry Course | 5 | CHM 4XX Required Chemistry Course | 5 |
| COR 314 Mathematics & Human Nature | 4 | COR 400 Science & Human Nature | 4 |
| CHM 301/301L Physical Chemistry I + Lab | 5 | CHM 302/302L Physical Chemistry II + Lab | 5 |
| | 14 | | 14 |

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