

Florida Atlantic University - Chemistry Major (BA/BS) 2024-2025

Student must take 2 of the following courses, 1 must be from group A. The second course may be from group A or group B.



ENC 1101 College Writing I (Required)



BSC 1010 & L Biological Principles (4 cr. w/Lab) (BS major)
CHM 2045 & L General Chemistry II (4 cr. w/Lab) (C)-2.2 (H)3.3 (M)



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- LEGEND
- + ENC 1101 is a prerequisite
 - ++ Two Communication courses are required before taking this course.
 - § Reserved for Wilkes Honors College & University Honors Program students only.
 - U Please visit FAU's website regarding the Civic Literacy Requirements: www.fau.edu/ugstudies/civic-literacy-requirements/
 - ‡ Co-requisite of MAC 1105 or a prerequisite of CHM 1025.
 - * MAC 2311 is a prerequisite for this course.
 - ** MAC 2233 is a prerequisite for this course. If a lab is needed, then take General Physics 1 lab (PHY 2048L).
 - *** Required math for BS majors
 - # The following courses are not offered at FAU but will fulfill this requirement if transferred from another school.
- WAC Writing Across the Curriculum course – minimum grade of “C” required. Students must take four WAC courses

The College of Science has the following requirements:

- 1 Any course work in the major field transferred from another institution must be approved by the major dept.;
- 2

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|----------------|-----------------------------|------|
| CHM 2045 & Lab | *General Chemistry 1 w/ Lab | 4 cr |
| CHM 2046 & Lab | *General Chemistry 2 w/ Lab | 4 cr |
| CHM 2210 | *Organic Chemistry 1 | 3 cr |
| CHM 2211 | *Organic Chemistry 2 | 3 cr |
| CHM 2211 Lab | *Organic Chemistry Lab | 2 cr |
| MAC 1105 | College Algebra | 3 cr |
| MAC 2233 | Methods of Calculus | 3 cr |
| PHY 2053 | College Physics 1 | 4 cr |
| PHY 2048 Lab | General Physics 1 Lab | 1 cr |
| PHY 2054 | College Physics 2 | 4 cr |
| PHY 2049 Lab | General Physics 2 Lab | 1 cr |

| | |
|-------------|--|
| 34 - 38 | General Education courses & Foreign Language (w/out Science) |
| 9 | Science Core |
| 34 | Major Core |
| 28 | Upper Division Electives |
| 11 - 15 | <u>Free Electives</u> |
| 120 CREDITS | TOTAL |

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The ACS-approved B.S. program offers similar rigorous training in all aspects of chemistry as the basic track but includes some additional requirements corresponding with the certification guidelines of the Committee on Professional Training of the American Chemical Society (ACS). An ACS-certified degree is required for the ACS-Certified degree.

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|----------------|-----------------------------------|------|
| CHM 2045 & Lab | *General Chemistry 1 w/ Lab | 4 cr |
| CHM 2046 & Lab | *General Chemistry 2 w/ Lab | 4 cr |
| CHM 2210 | *Organic Chemistry 1 | 3 cr |
| CHM 2211 | *Organic Chemistry 2 | 3 cr |
| CHM 2211 Lab | *Organic Chemistry Lab | 2 cr |
| MAC 2311 | Calculus with Analytic Geometry 1 | 4 cr |
| MAC 2312 | Calculus with Analytic Geometry 2 | 4 cr |
| PHY 2048 | General Physics 1 | 4 cr |
| PHY 2048 Lab | General Physics 1 Lab | 1 cr |
| PHY 2049 | General Physics 2 | 4 cr |
| PHY 2049 Lab | General Physics 2 Lab | 1 cr |
| MAC 2313 | Calculus with Analytic Geometry 3 | 4 cr |
| | OR | |
| MAP 2302 | Differential Equations 1 | 3 cr |

| | |
|-------------|--|
| 36 - 40 | General Education courses & Foreign Language (w/out Science) |
| 9 | Science Core |
| 55 - 56 | Major Core |
| 10 | Upper Division Electives |
| 5 - 10 | <u>Free Electives</u> |
| 120 CREDITS | TOTAL |

| | | |
|----------------|-----------------------------------|------|
| BSC 1010 & Lab | Biological Principles w/ Lab | 4 cr |
| CHM 2045 & Lab | *General Chemistry 1 w/ Lab | 4 cr |
| CHM 2046 & Lab | *General Chemistry 2 w/ Lab | 4 cr |
| CHM 2210 | *Organic Chemistry 1 | 3 cr |
| CHM 2211 | *Organic Chemistry 2 | 3 cr |
| CHM 2211 Lab | *Organic Chemistry Lab | 2 cr |
| MAC 2311 | Calculus with Analytic Geometry 1 | 4 cr |
| PHY 2048 | General Physics 1 | 4 cr |
| | OR | |
| PHY 2053 | College Physics 1 | 4 cr |
| PHY 2048 Lab | General Physics 1 Lab | 1 cr |
| PHY 2049 | General Physics 2 | 4 cr |
| | OR | |
| PHY 2054 | College Physics 2 | 4 cr |
| PHY 2049 Lab | General Physics 2 Lab | 1 cr |

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|--------------|-------------------------------|------|
| BSC 1011 & L | Biodiversity w/Lab (Required) | 4 cr |
|--------------|-------------------------------|------|

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|-------------|--|
| 46 | General Education courses & Foreign Language (w/out Science) |
| 54 - 59 | Major Core |
| 9 - 14 | Upper Division Electives |
| 6 | <u>Free Electives</u> |
| 120 CREDITS | TOTAL |