

BS/BA in Chemistry

General Concentration

Milligan University

Catalog Year
2023-2024

This document is designed as a guide for students planning their course selection and is only a suggested schedule. Actual course selections should be made with the advice and consent of the academic advisor. While accurately portraying the information contained in the Catalog, this form is not considered a legal substitute for that document. Students should become familiar with the Catalog in effect at the time in which they enter Milligan.

| COURSE | TITLE | CREDITS |
|---------------|-----------------------------|---------|
| CHEM 170 | General Chemistry I | 4 |
| MATH 211 | Calculus I | 4 |
| BIBL 123 | Old Testament Survey | 3 |
| HUMN 101 | Ancient & Medieval Cultures | 4 |
| MLGN 100 | Intro to College & Service | 0.5 |
| TOTAL CREDITS | | 15.5 |

| COURSE | TITLE | CREDITS |
|---------------|-----------------------------------|---------|
| CHEM 270 | Organic Chemistry I | 4 |
| PHYS 203 | General Physics I | 4 |
| HUMN 201 | 18th & 19th Century Cultures | 4 |
| COMP 211 | Found. of Analytical Composition | 3 |
| COMM 102 | Speech Communication ¹ | 3 |
| TOTAL CREDITS | | 18 |

| COURSE | TITLE | CREDITS |
|---------------|------------------------------------|---------|
| CHEM 402 | Physical Chemistry II | 3 |
| CHEM 410 | Suggested Elective: Biochemistry I | 4 |
| MATH 307 | Linear Algebra ² | 3 |
| | General Elective | 6 |
| TOTAL CREDITS | | 16 |

| COURSE | TITLE | CREDITS |
|---------------|------------------------|---------|
| CHEM 342 | Analytical Chemistry I | 4 |
| CHEM 490 | Capstone | 3 |
| | Social Learning GER | 3 |
| | General Electives | 6 |
| TOTAL CREDITS | | 16 |

| COURSE | TITLE | CREDITS |
|---------------|----------------------------------|---------|
| CHEM 171 | General Chemistry II | 4 |
| MATH 212 | Calculus II | 4 |
| HUMN 102 | Renaissance & Early Modern Cult. | 4 |
| COMP 111 | Rhetorical Composition | 3 |
| EXSC 101 | Fitness for Life | 1 |
| TOTAL CREDITS | | 16 |

| COURSE | TITLE | CREDITS |
|---------------|---------------------------------|---------|
| CHEM 271 | Organic Chemistry II | 4 |
| PHYS 204 | General Physics II | 4 |
| HUMN 202 | Cultures of 20th & 21st Century | 4 |
| MLGN 200 | Intro to Calling & Career | 0.5 |
| BIBL 124 | New Testament Survey | 3 |
| TOTAL CREDITS | | 15.5 |

| COURSE | TITLE | CREDITS |
|---------------|----------------------|---------|
| CHEM 401 | Physical Chemistry I | 4 |
| | Ethnic Studies GER | 3 |
| | General Electives | 9 |
| TOTAL CREDITS | | 16 |

| COURSE | TITLE | CREDITS |
|---------------|------------------------------|---------|
| CHEM 341 | Analytical Chemistry II | 4 |
| CHEM 405 | Advanced Inorganic Chemistry | 3 |
| BIBL 471 | Christ & Culture | 3 |
| | General Electives | 5 |
| TOTAL CREDITS | | 15 |

¹ Students may choose COMM 103 Public Speaking (2 hr) if they have checked with their advisers to see if fits with their post-bacc plans

² MATH 307 is highly recommended as a prerequisite for CHEM 402

Depending upon a student's post-bacc plans, other courses may be required for admission to graduate programs, so CONSULT with your adviser.

Chemistry Electives:

CHEM 499A, B, and C are offered every semester

FALL Odd Years Chemistry Electives:

CHEM495 Capstone
CHEM402 Physical Chemistry II

FALL Even Years Chemistry Electives:

CHEM340 Analytical Chemistry I

SPRING Even Years Chemistry Electives:

CHEM411 Biochemistry II
CHEM401 Physical Chemistry I

SPRING Odd Years Chemistry Electives:

CHEM341 Analytical Chemistry II
CHEM405 Inorganic Chemistry

Major Hours 53
Core Hours 42
Electives 33
Total 128