This four-year plan is valid according to the USM Undergraduate Catalog and is subject to change. This guide is merely a recommendation. Your actual program may vary. Other factors may impact your time to degree and course sequencing. See the current USM Undergraduate Catalog at [http://www.stmary.edu/catalog](http://www.stmary.edu/catalog) for more information, including USM academic policies, curriculum, pre-requisites, and course information.

### Freshman Year

**Fall 1 Even**
- CH 121 General Chemistry I (4)
- MA 221 Calculus With Analytic Geometry I (4)
- GE 114 First Year Experience I (3)
- EN 111 English Composition I (3)
- Theology General Education (3)

**Spring 1 Odd**
- CH 122 General Chemistry II (4)
- MA 222 Calculus With Analytic Geometry II (4)
- GE 115 First Year Experience II (3)
- EN 112 English Composition II (3)
- Social Science General Education (3)

**TOTAL: 17 hours**

### Sophomore Year

**Fall 2 Odd**
- CH 330 Organic Chemistry I (4)
- PHY 215 Physics I (4)
- Theater General Education (3)
- Literature General Education (3)
- SCA 250 Lifetime Wellness (3)

**Spring 2 Even**
- CH 331 Organic Chemistry II (4)
- PHY 216 Physics II (4)
- Behavioral Science General Education (3)
- History General Education (3)
- Philosophy General Education (3)

**TOTAL: 17 hours**

### Junior Year

**Fall 3 Even**
- CH 464 Physical Chemistry I (4)
- BI 220 Cell Biology (4)**
- Fine Arts General Education (3)
- Elective (3)

**Spring 3 Odd**
- CH 465 Physical Chemistry II (4)*
- BICH 461 Biochemistry (3)*
- BICH 462 Biochemistry Lab (1)*
- Elective (3)

**TOTAL: 17 hours**

**Fall 4 Odd**
- CH 354 Analytical Chemistry (4)
- CH 599 Chemistry Seminar (1)
- NS 597 Science and Society Seminar (2)
- CH 598 Research Problems in Chemistry (1)*

**Spring 4 Even**
- CH 455 Instrumental Analysis (4)*
- CH 420 Inorganic Chemistry (3)
- CH 599 Research Problems in Chemistry (1)*
- Elective (3)

**TOTAL: 14 hours**

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* Students must choose a total of 8 hours from the starred selections.

** BI 220 is only required if student is taking BICH 461.
## Freshman Year

### Fall 1 Odd
- CH 121 General Chemistry I (4)
- MA 221 Calculus With Analytic Geometry I (4)
- GE 114 First Year Experience I (3)
- EN 111 English Composition I (3)
- Theology General Education (3)

### Spring 1 Even
- CH 122 General Chemistry II (4)
- MA 222 Calculus With Analytic Geometry II (4)
- GE 115 First Year Experience II (3)
- EN 112 English Composition II (3)
- Social Science General Education (3)

**TOTAL: 17 hours**

## Sophomore Year

### Fall 2 Even
- CH 330 Organic Chemistry I (4)
- PHY 215 Physics I (4)
- Theology General Education (3)
- Literature General Education (3)
- SCA 250 Lifetime Wellness (3)

### Spring 2 Odd
- CH 331 Organic Chemistry II (4)
- PHY 216 Physics II (4)
- Behavioral Science General Education (3)
- History General Education (3)
- Philosophy General Education (3)

**TOTAL: 17 hours**

## Junior Year

### Fall 3 Odd
- CH 354 Analytical Chemistry (4)
- BI 220 Cell Biology (4)**
- Fine Arts General Education (3)
- Elective (3)

### Spring 3 Even
- CH 455 Instrumental Analysis (4)*
- CH 420 Inorganic Chemistry (3)
- Elective (3)
- Elective (3)

**TOTAL: 17 hours**

### Fall 4 Even
- CH 464 Physical Chemistry I (4)
- CH 594 Chemistry Seminar (1)
- NS 597 Science and Society Seminar (2)
- Elective (3)

### Spring 4 Odd
- CH 465 Physical Chemistry II (4)*
- BICH 461 Biochemistry (3)*
- BICH 462 Biochemistry Lab (1)*
- CH 599 Research Problems in Chemistry (1)*
- Elective (3)

**TOTAL: 14 hours**

* Students must choose a total of 8 hours from the starred selections.
** BI 220 is only required if student is taking BICH 461.