

# The University of Texas at Austin

## Bachelor of Science in Chemistry, Focus Area IV: Synthetic and Chemical Biology, 120 Hours 2024-2026 Catalog Expires Summer 2032

### Four-year Degree Suggestion (for planning purposes only)

Currently enrolled students should meet with their academic advisor

## FIRST YEAR

### Fall:

|                                                                                                                       |         |
|-----------------------------------------------------------------------------------------------------------------------|---------|
| Core/Major: CH 301C ( <i>Science &amp; Tech – Natural Sciences 1</i> ) ( <i>Quantitative Reasoning Flag</i> )         | 3 hours |
| Core/Major: M 408N or 408C ( <i>Mathematics I</i> )                                                                   | 4 hours |
| Major: BIO 311C                                                                                                       | 3 hours |
| Core: VAPA ( <i>Visual &amp; Performing Arts I</i> )                                                                  | 3 hours |
| Core: UGS 302 ( <i>Writing flag</i> )/ 303 ( <i>Institutionally Designated Option 1</i> ) ( <i>May carry a flag</i> ) | 3 hours |
| Total 16 hours                                                                                                        |         |

### Spring:

|                                                                                                          |         |
|----------------------------------------------------------------------------------------------------------|---------|
| Major: CH 302C ( <i>Science &amp; Tech – Natural Sciences 1</i> ) ( <i>Quantitative Reasoning Flag</i> ) | 3 hours |
| Major: CH 317 ( <i>Quantitative Reasoning Flag</i> )                                                     | 3 hours |
| Major: M 408S or M 408D                                                                                  | 4 hours |
| Major: BIO 311D                                                                                          | 3 hours |
| Major: SDS 320E ( <i>May carry a flag</i> )                                                              | 3 hours |
| Total 16 hours                                                                                           |         |

### Summer:

Opportunities:

- Study Abroad
- Internship

Course(s)

- M 408M if completing three course Calculus sequence.
- Core: RHE 306 (*Communications I*)

## SECOND YEAR

### Fall:

|                                                                                 |           |
|---------------------------------------------------------------------------------|-----------|
| Major: CH 328M and 128K or CH 320M                                              | 3-4 hours |
| Core/Major: PHY 301 ( <i>Science &amp; Tech – Natural Sciences 1</i> ) and 101L | 4 hours   |
| Major: M 427J                                                                   | 4 hours   |
| Major: CH 119C                                                                  | 1 hour    |
| Total 13-14 hours                                                               |           |

### Spring:

|                                                                            |           |
|----------------------------------------------------------------------------|-----------|
| Major: CH 328N and CH 128K or CH 320N and CH 220C                          | 4-5 hours |
| Major: PHY 316 ( <i>Science &amp; Tech – Natural Sciences 1</i> ) and 116L | 4 hours   |
| Major: Statistics course ( <i>May carry a flag</i> )                       | 3 hours   |
| Elective: ( <i>May carry a flag</i> )                                      | 3 hours   |
| Total 14-15 hours                                                          |           |

### Summer:

Opportunities:

- Study Abroad
- Internship

Course(s):

Core: GOV 310L (*Government I*)

## THIRD YEAR

### Fall:

|                                                                        |         |
|------------------------------------------------------------------------|---------|
| Major: CH 353                                                          | 3 hours |
| Major: CH 339F                                                         | 3 hours |
| Major: CH 431                                                          | 4 hours |
| Core: E 316L/M/N/P ( <i>Humanities I</i> ) ( <i>May carry a flag</i> ) | 3 hours |
| Major: Focus Area Elective course                                      | 3 hours |

Total 16 hours

---

**Spring:**

|                                        |                |
|----------------------------------------|----------------|
| Major: CH 153K ( <i>Writing Flag</i> ) | 1 hour         |
| Major: CH 354                          | 3 hours        |
| Major: Focus Area Elective course      | 3 hours        |
| Core: GOV 312L ( <i>Government I</i> ) | 3 hours        |
| Elective: ( <i>May carry a flag</i> )  | 3 hours        |
|                                        | Total 13 hours |

---

**Summer:**

Opportunities:

- Study Abroad
- Internship
- Course(s)

## FOURTH YEAR

---

**Fall:**

|                                                                     |                |
|---------------------------------------------------------------------|----------------|
| Major: CH 456                                                       | 4 hours        |
| Major: Focus Area Elective course                                   | 3 hours        |
| Major: Focus Area Elective course                                   | 3 hours        |
| Core: U.S. History ( <i>History I</i> ) ( <i>May carry a flag</i> ) | 3 hours        |
|                                                                     | Total 13 hours |

---

**Spring:**

|                                                                            |                |
|----------------------------------------------------------------------------|----------------|
| Major: CH 376K ( <i>Independent Inquiry Flag</i> ) ( <i>Writing Flag</i> ) | 3 hours        |
| Major: CH 378L                                                             | 3 hours        |
| Major: Focus Area Elective course                                          | 3 hours        |
| Core: U.S. History ( <i>History I</i> ) ( <i>May carry a flag</i> )        | 3 hours        |
| Elective: ( <i>May carry a flag</i> )                                      | 3 hours        |
|                                                                            | Total 15 hours |

---

**Summer:**

Opportunities:

- Maymester
- Final Course(s)

## LEGEND

---

**Terms:**

Major: As published in the Undergraduate Catalog

Elective: Additional hours contributing to reach the degree plan total required hours

Core: Required part of the 42-hour core curriculum