

What might the **Biochemistry** track look like for a student placed into Math 211 and Chem 155?

Sample schedules showing the MINIMUM required courses for a BCBP **Biochemistry** track student

BCBP **Biochemistry** major requires a min of 10 labs; doubling up on labs at least two semesters will be necessary

Important notes:

these are just samples; more combinations are possible to suit your specific interests

* BIOL 291 or 371 can be replaced with any 200/300 level BIOL course

PHYS 230 can be replaced with CHEM 361 (both offered only in spring)

PHYS 116/117 can be replaced with PHYS 123/124 (but 123 is only offered in Fall and 124 is only offered in spring)

DEI course requirement is not shown, and can be added to any semester below

Characteristics of this schedule

lab load
fall-spring

| Student D1 | | FALL | | SPRING | | |
|----------------------------------|--------|-----------|----------|------------|----------|-----|
| frontload chem spring athlete | 1st yr | CHEM 155 | | CHEM 165 | | 1-1 |
| | soph | CHEM 221 | BIOL 191 | CHEM 231 | | 2-1 |
| | junior | BIOL 371* | PHYS 116 | BIOL 291* | | 2-1 |
| | senior | BCBP 331 | PHYS 117 | PHYS 230 # | BCBP 400 | 2-0 |

| Student D2 | | FALL | | SPRING | | |
|----------------------------------|--------|-----------|----------|---------------|---------------|-----|
| frontload bio semester abroad | 1st yr | CHEM 155 | | CHEM 165 | BIOL 191 | 1-2 |
| | soph | BIOL 371* | | BIOL 291* | CHEM 221 | 1-2 |
| | junior | CHEM 231 | PHYS 116 | <i>abroad</i> | <i>abroad</i> | 2-0 |
| | senior | BCBP 331 | PHYS 117 | PHYS 230 # | BCBP 400 | 2-0 |

| Student D3 | | FALL | | SPRING | | |
|-------------------|--------|----------|-----------|------------|-----------|-----|
| frontload physics | 1st yr | CHEM 155 | PHYS 116 | CHEM 165 | PHYS 117 | 2-2 |
| | soph | BIOL 191 | | PHYS 230 # | BIOL 291* | 1-1 |
| | junior | CHEM 221 | BIOL 371* | CHEM 231 | | 2-1 |
| | senior | BCBP 331 | | BCBP 400 | | 1-0 |

| Student D4 | | FALL | | SPRING | | |
|--------------------------------------|--------|----------|-----------|---------------|---------------|-----|
| frontload biochem semester abroad | 1st yr | CHEM 155 | | CHEM 165 | BIOL 191 | 1-2 |
| | soph | CHEM 221 | BIOL 371* | CHEM 231 | BIOL 291* | 2-2 |
| | junior | BCBP 331 | PHYS 116 | <i>abroad</i> | <i>abroad</i> | 2-0 |
| | senior | PHYS 117 | | PHYS 230 # | BCBP 400 | 1-0 |

| Student D5 | | FALL | | SPRING | | |
|--------------------|--------|-----------|----------|------------|----------|-----|
| undecided Bio/BCBP | 1st yr | CHEM 155 | BIOL 181 | CHEM 165 | BIOL 191 | 2-2 |
| | soph | BIOL 371* | | BIOL 291* | | 1-2 |
| | junior | CHEM 221 | | CHEM 231 | PHYS 116 | 2-1 |
| | senior | BCBP 331 | PHYS 117 | PHYS 230 # | BCBP 400 | 2-0 |

Additional Recommendations:

- 1) take chem 155 and chem 165 in first year (otherwise delays both CHEM165 and BIOL 191 until sophomore spring)
- 2) decide whether you want to next add on Biology or Physics (either can be started in first year OR sophomore year)
- 3) decide when you are ready for a double lab load (first year spring? Sophomore fall? Sophomore spring?)
- 4) decide if you want to start Organic Chemistry in your sophomore fall/spring or junior fall
- 5) take your favorite classes early on (so you have a 2nd chance in case you can't get in or they are cancelled)
the classes you take early on open up advanced classes/research opportunities/summer internships in those areas
- 6) if you are interested in a thesis, take courses in areas of potential thesis interest so that you build skills by senior year