

BS Biology, emphasis in One Health Roadmap

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| Program | Bachelor of Science: Biology with an emphasis in One Health |
| Total Credits | 120 |
| Catalog | 2023-2024 |

The plan below is **one** of several possible ways for you to complete this degree.
 Your individualized plan may look different if you have already fulfilled some requirements.
 Your Financial Aid Award may require additional term credits for full-time funding.
 You must complete all university and program requirements successfully to complete this degree (GPA, 120 credits, LASC, WI, residency)

| Curriculum | Notes | Course | Course Title | Credits | Take When | Total Credits |
|------------|-------|--------|--------------|---------|-----------|---------------|
|------------|-------|--------|--------------|---------|-----------|---------------|

120

1st Year

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|-----------------------|-------------------------------------|-----------------|--|---|------------|----|
| Core Requirement: | LASC Goal 3: Natural Sciences w/Lab | BIOL 115/115L | Organismal Biology | 4 | 1st Fall | 15 |
| Related requirement: | LASC Goal 3: Natural Sciences w/L: | 1 CHEM 150/150L | General Chemistry I + Lab | 4 | 1st Fall | |
| Related requirement: | LASC Goal 4: Math/Logical Reasoni | 2 MATH | | 3 | 1st Fall | |
| | LASC Goal Elective | 3 | | 3 | 1st Fall | |
| | First-Year Experience Course | FYE 101 | First Year Experience | 1 | 1st Fall | |
| Recommended/Optional: | | | Athletics/music/minor or second major course | | | |
| Core Requirement: | LASC Goal 3: Natural Sciences w/Lab | BIOL 111/111L | Cell Biology | 4 | 1st Spring | 14 |
| Core Requirement: | LASC Goal 3: Natural Sciences w/L: | 1 CHEM 210/210L | General Chemistry II + Lab | 4 | 1st Spring | |
| | LASC Goal 1B: Written Communication | ENGL 101 | English Composition | 3 | 1st Spring | |
| | LASC Goal 8 | BIOL 248 | Introduction to Public Health | 3 | 1st Spring | |
| Recommended/Optional: | | | Athletics/music/minor or second major course | | | |

2nd Year

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|-----------------------|-----------------------------------|-----------------|---|---|------------|----|
| Program Requirement: | | BIOL 345/345L | Ecology and Lab | 4 | 2nd Fall | 14 |
| Program Requirement: | | 4 BIOL 350/350L | Microbiology and Lab | 4 | 2nd Fall | |
| Related Requirement: | LASC Goal 4: Math/Logical Reasoni | 2 MATH | | 3 | 2nd Fall | |
| | LASC Goal 1A: Oral Communication | COMM 100 | Speech Communication | 3 | 2nd Fall | |
| Recommended/Optional: | | | LA Seminar/research/athletics/music/minor or second major c | | 2nd Fall | |
| Program Requirement: | | BIOL 438 | Medical Microbiology | 3 | 2nd Spring | 14 |
| Core Requirement: | | BIOL 275 | Quantitative Biology | 4 | 2nd Spring | |
| Program Requirement: | | 5 | | 3 | 2nd Spring | |
| | LASC Goal Elective | | | 3 | 2nd Spring | |
| Recommended/Optional: | | 6 BIOL 497 | Research in Biology | 1 | 2nd Spring | |
| Recommended/Optional: | | | LA Seminar/research/athletics/music/minor or second major c | | 2nd Spring | |

3rd Year

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|------------------------------|------------------------------------|-----------------|---|---|------------|----|
| Program Restricted Elective: | | 7 | | 4 | 3rd Fall | 15 |
| Related Requirement: | LASC Goal 3: Natural Sciences w/L: | 8 PHYS 160/160L | College Physics I + Lab | 4 | 3rd Fall | |
| | LASC Goal WI Elective | | | 3 | 3rd Fall | |
| | LASC Goal Elective | | | 3 | 3rd Fall | |
| Recommended/Optional: | | BIOL 470 | Teaching Assistant | 1 | 3rd Fall | |
| Recommended/Optional: | | | LA Seminar/research/athletics/music/minor or second major c | | 3rd Fall | |
| Program Requirement: | | 9 | | 3 | 3rd Spring | 14 |
| Related Requirement: | LASC Goal 3: Natural Sciences w/L: | 8 PHYS 161/161L | College Physics II + Lab | 4 | 3rd Spring | |
| Program Restricted Elective: | | 7 | | 4 | 3rd Spring | |
| | LASC Goal Elective | | | 3 | 3rd Spring | |
| Recommended/Optional: | | | LA Seminar/research/athletics/music/minor or second major c | | 3rd Spring | |

4th Year

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|------------------------------|-----------------------|------------|---|---|------------|----|
| Recommended/Optional: | | | National/International Student Exchange Semester | | 4th Fall | 17 |
| Program Restricted Elective: | | 7 | | 4 | 4th Fall | |
| Program Restricted Elective: | | 7 | | 4 | 4th Fall | |
| Elective: | | | | 3 | 4th Fall | |
| | LASC Goal WI Elective | | | 3 | 4th Fall | |
| Recommended/Optional: | | 6 BIOL 497 | Research in Biology | 3 | 4th Fall | |
| Recommended/Optional: | | | LA Seminar/research/athletics/music/minor or second major c | | 4th Fall | |
| Program Restricted Elective: | | 7 | | 4 | 4th Spring | 17 |
| Program Restricted Elective: | | 7 | | 4 | 4th Spring | |
| | LASC Goal Elective | | | 3 | 4th Spring | |
| | LASC Goal WI Elective | | | 3 | 4th Spring | |
| Recommended/Optional: | | 6 BIOL 469 | Internship in Biology | 3 | 4th Spring | |
| Recommended/Optional: | | | LA Seminar/research/athletics/music/minor or second major c | | 4th Spring | |

Notes:

- 1 Chem 275 can be taken in place of either general chemistry lab and counts as a LASC 2. Students in LC will either take Biol 100 or Chem 275.
- 2 Math courses depend on initial placement. Trig or Pre-calc is a pre-requisite to take Physics 160.
- 3 Make sure to consult the LASC policy and take a minimum of 40 credits of LASC courses. Some LASC courses double count, making room to add a minor or second major
- 4 BIOL 236/236L is an option.
- 5 Choose PSY 113, SOC 110, or SUST 200
- 6 Three credits of research or internship credits are required. A maximum of six credits of BIOL 469 may count towards restricted electives.
- 7 Choose at least 18 credits from restricted elective courses for the One Health emphasis.
- 8 If you have taken, or are concurrently enrolled in calculus, PHYS 200 and 201 are recommended.
- 9 Choose HSAD 218 (Summer only), NURS 485, or BIOL 335.

