

Pathways of Distinction

Curricular

ASRE-approved courses only. Students who have earned credits for a course that is not ASRE approved may petition to substitute that course with a BIOL 300 or 400 level course identified as providing research skills as identified below in requirement 4. The School of Biological Sciences and Advance Student Research Program (SRP) will review the petition for approval. Approved substitutions are only for the purpose of completing an Advance Pathway and are not approved as substitution for the degree.

1. UNIV 100

2. BIOL 113

3. BIOL 231

4. Two (2) BIOL 300 or 400 level courses identified as providing research skills. Choose from:

- BIOL 307, BIOL 309, BIOL 321, BIOL 325, BIOL 328, BIOL 360, BIOL 400, BIOL 401, BIOL 405, BIOL 407, BIOL 409, BIOL 412, BIOL 413, BIOL 414, BIOL 416, BIOL 417, BIOL 424, BIOL 426, BIOL 427, BIOL 440, BIOL 441, BIOL 443, BIOL 444, BIOL 445, BIOL 446, BIOL 458, BIOL 461, or BIOL 482

5. One (1) BIOL 300 or 400 level course that includes scientific writing. Choose from:

- BIOL 307, BIOL 309, BIOL 321, BIOL 337, BIOL 345, BIOL 360, BIOL 407, BIOL 409, BIOL 412, BIOL 415, BIOL 424, BIOL 430, BIOL 435, BIOL 440, BIOL 441, BIOL 445, BIOL 471, or BIOL 485. BIOL 452

6. BIOL 452

Co-Curricular

7. Workshops Requirement-choose one (a or b):

- a. Three (3) approved workshops.
 - Approved workshops can include, but are not limited to Advance-SRP, library, or university workshops. Advance-SRP Workshops can be found on the UL Lafayette Advance-SRP website. 1 in-person Advance-SRP workshop is equivalent to 2 virtual Advance-SRP workshops. Other workshops focused on research skills are possible by approval from the Biology Undergraduate Research Committee.
- b. **OR** BIOL 202

8. Mentored Research Requirement-choose one (a or b):

- a. BIOL 300 or 400 level course identified as a research-embedded course.

- Choose from: BIOL328, BIOL 405, BIOL 414, BIOL 424, BIOL 443, BIOL 444, BIOL 445, or BIOL 461.
- b. **OR** Mentored research.
 - Student has been involved in at least 40 hours of mentored research. Mentored research includes, but is not limited to, BIOL 410, BIOL 499, volunteer, scholarship, paid from grants. The Biology Undergraduate Research committee will evaluate the mentored research based on the research product submitted by students and input from their mentor.

9. Presentation at a university, regional, national, or international professional conference.

Pathways of Excellence

Curricular

ASRE-approved courses only. Students who have earned credits for a course that is not ASRE approved may petition to substitute that course with a BIOL 300 or 400 level course identified as providing research skills as identified below in requirement 4. The School of Biological Sciences and Advance Student Research Program (SRP) will review the petition for approval. Approved substitutions are only for the purpose of completing an Advance Pathway and are not approved as substitution for the degree.

1. UNIV 100

2. BIOL 113

3. BIOL 231

4. Two (2) BIOL 300 or 400 level courses identified as providing research skills. Choose from:

- BIOL 307, BIOL 309, BIOL 321, BIOL 325, BIOL 328, BIOL 360, BIOL 400, BIOL 401, BIOL 405, BIOL 407, BIOL 409, BIOL 412, BIOL 413, BIOL 414, BIOL 416, BIOL 417, BIOL 424, BIOL 426, BIOL 427, BIOL 440, BIOL 441, BIOL 443, BIOL 444, BIOL 445, BIOL 446, BIOL 458, BIOL 461, or BIOL 482

5. One (1) BIOL 300 or 400 level course that includes scientific writing. Choose from:

- BIOL 307, BIOL 309, BIOL 321, BIOL 337, BIOL 345, BIOL 360, BIOL 407, BIOL 409, BIOL 412, BIOL 415, BIOL 424, BIOL 430, BIOL 435, BIOL 440, BIOL 441, BIOL 445, BIOL 471, or BIOL 485. BIOL 452

6. BIOL 452

Co-Curricular

7. Workshops requirement-choose one (a or b):

- a. Three (3) approved workshops.
 - Approved workshops can include, but are not limited to Advance-SRP, library, or university workshops. Advance-SRP Workshops can be found on the UL Lafayette Advance-SRP website. 1 in-person Advance-SRP workshop is equivalent to 2 virtual Advance-SRP workshops. Other workshops focused on research skills are possible by approval from the Biology Undergraduate Research Committee.
- b. **OR** BIOL 202

8. Mentored Research requirement-choose one (a or b):

- a. BIOL 300 or 400 level course identified as a research-embedded course. \
 - Choose from: BIOL328, BIOL 405, BIOL 414, BIOL 424, BIOL 443, BIOL 444, BIOL 445, or BIOL 461.
- b. **OR** Mentored research.
 - Student must be involved in at least 40 hours of mentored research. Mentored research includes, but is not limited to, BIOL 410, BIOL 499, volunteer, scholarship, paid from grants. The Biology Undergraduate Research committee will evaluate the mentored research based on the research product submitted by students and input from their mentor.

9. Leadership experience requirement

- Leadership experiences include, but are not limited to, departmental service events, officership in departmental club, SGA officership, student tutor/mentorship. The Biology Undergraduate Research Committee will evaluate and approve leadership experience based on documentation submitted by students.

10. Dissemination requirement-choose one (a, b, or c):

- a. Conference presentation.
 - Conference must be a regional, national, or international professional conference.
- b. **OR** Honor's thesis
- c. **OR** Manuscript submission.
 - Manuscript may be authored or co-authored by the student; the Biology Undergraduate Research committee will evaluate these requests.