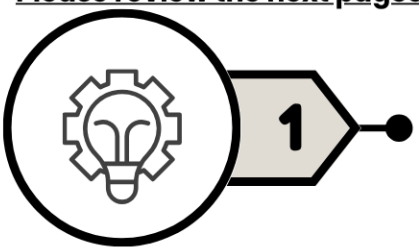
ASRE PATHWAY OF DISTINCTION IN BIOLOGY

This is a general idea of the steps to complete an ASRE Pathway. The goal of this program is for students to begin during their freshman year and complete requirements throughout their college career. There is flexibility in the timeframe, but all requirements must be complete prior to graduation.

Please review the next pages for superscript notes with further information.



INITIATION

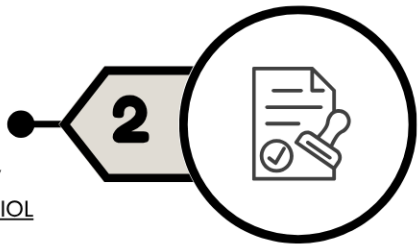
Begin by completing:

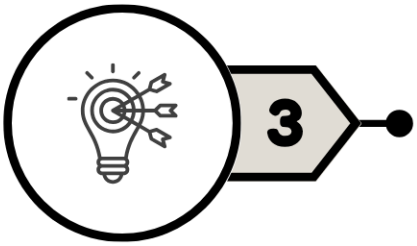
- UNIV 100 "First Year Seminar"

BUILDING SKILLS

Build skills through:

- BIOL 113 "Fundamentals of Biology II Lab"
- BIOL 231 "Fundamentals of Cell & Molecular Biology Lab"
- Three (3) research related trainings or workshops[3] OR BIOL 202





MASTERING SKILLS

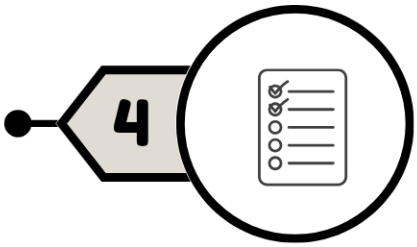
Master skills through:

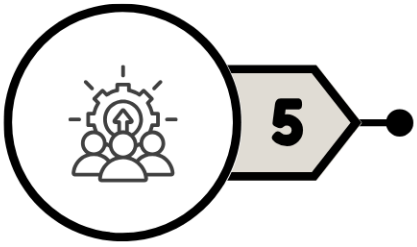
- Two (2) BIOL 300 or 400 level courses identified as providing research skills from list[1]

PROFESSIONAL DEVELOPMENT

Develop professionally through:

- BIOL 300 or 400 level course identified as a research-embedded course[4] from list OR Mentored research[5]





DISSEMINATION

Disseminate through:

- BIOL 452 "Senior Seminar"
- One (1) BIOL 300 or 400 level course that includes scientific writing from list[2]
- Presentation at a university, regional, national, or international conference

ASRE PATHWAY OF EXCELLENCE IN BIOLOGY

This is a general idea of the steps to complete an ASRE Pathway. The goal of this program is for students to begin during their freshman year and complete requirements throughout their college career. There is flexibility in the timeframe, but all requirements must be complete prior to graduation.

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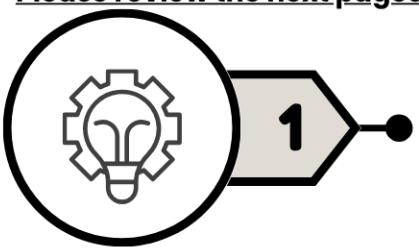


INITIATION

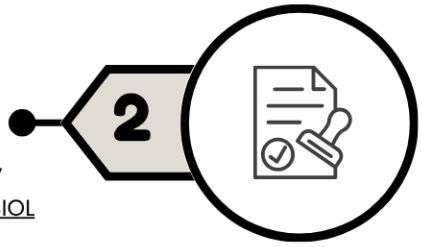
Begin by completing:

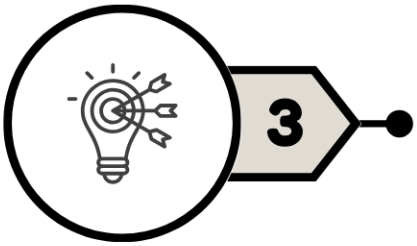
- UNIV 100 "First Year Seminar"

BUILDING SKILLS

Build skills through:

- BIOL 113 "Fundamentals of Biology II Lab"
- BIOL 231 "Fundamentals of Cell & Molecular Biology Lab"
- Three (3) research related trainings or workshops[3] OR BIOL 202





MASTERING SKILLS

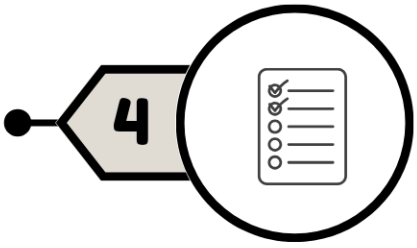
Master skills through:

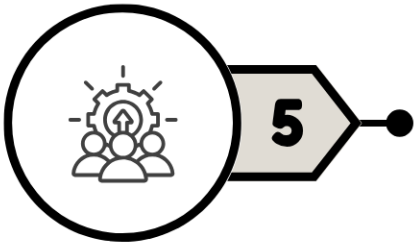
- Two (2) BIOL 300 or 400 level courses identified as providing research skills from list[1]

PROFESSIONAL DEVELOPMENT

Develop professionally through:

- BIOL 300 or 400 level course identified as a research-embedded course[4] from list OR Mentored research[5]
- Leadership experience[6]





DISSEMINATION

Disseminate through:

- BIOL 452 "Senior Seminar"
- One (1) BIOL 300 or 400 level course that includes scientific writing from list[2]
- The dissemination experience: either a presentation at a regional, national, or international conference OR complete an honors thesis OR co-author a manuscript submission[7]

Biology ADVANCE SRE Pathways

STUDENT VIEW

See the next page for superscript notes with more information.

Advance SRE Pathway of **Distinction** Curricular* and Co-curricular Events Required	Advance SRE Pathway of **Excellence** Curricular* and Co-curricular Events Required
Curricular 1. UNIV 100 2. BIOL 113 3. BIOL 231 4. Two (2) BIOL 300 or 400 level courses identified as providing research skills.[1] 5. One (1) BIOL 300 or 400 level course that includes scientific writing.[2] 6. BIOL 452 **Co-Curricular** 7. ***Three*** (3) approved workshops[3] **OR** BIOL 202 8. BIOL 300 or 400 level course identified as a research-embedded course[4] **OR** mentored research[5] 9. Presentation at a university, regional, national, or international professional conference.	**Curricular** 1. UNIV 100 2. BIOL 113 3. BIOL 231 4. Two (2) BIOL 300 or 400 level courses identified as providing research skills.[1] 5. One (1) BIOL 300 or 400 level course that includes scientific writing.[2] 6. BIOL 452 **Co-Curricular** 7. ***Three*** (3) approved workshops[3] **OR** BIOL 202 8. BIOL 300 or 400 level course identified as a research-embedded course[4] **OR** mentored research[5] 9. Leadership experience[6] 10. Dissemination Presentation at a regional, national, or international professional conference **OR** Honor's thesis **OR** manuscript submission (author or co-author).[7]

Biology ADVANCE SRE Pathways
Superscript Notes:

* 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 skill[1]. The SCRCS Advance office 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]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.

[2]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.

[3]Approved workshops can include, but are not limited to SCRCS, library, or university workshops. SCRCS Advance Workshops can be found on the UL Lafayette SCRCS website. 1 in person SCRCS workshop is equivalent to 2 virtual SCRCS workshops. Other workshops focused on research skills are possible by approval from the Biology Undergraduate Research Committee.

[4]Choose from: BIOL328, BIOL 405, BIOL 414, BIOL 424, BIOL 443, BIOL 444, BIOL 445, or BIOL 461.

[5]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.

[6]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 experiences based on documentation submitted by students.

[7]A faculty mentor can petition for an exception to this requirement. The Biology Undergraduate Research committee will evaluate these requests.