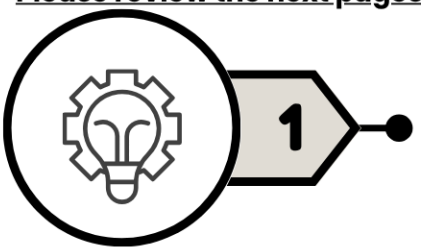
ASRE PATHWAY OF DISTINCTION IN CHEMISTRY

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

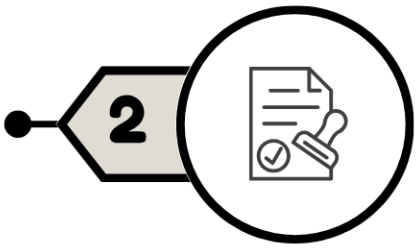
Begin by completing:

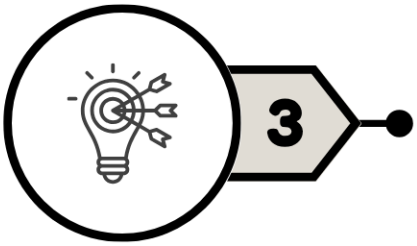
- UNIV 100 "First Year Seminar"
- CHEM 107 "General Chemistry I"

BUILDING SKILLS

Build skills through:

- CHEM 108 "General Chemistry II"
- Two (2) CHEM lecture courses from list[1]
- One (1) research related workshop[5]





MASTERING SKILLS

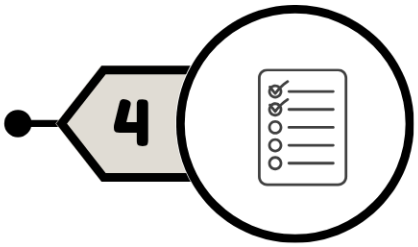
Master skills through:

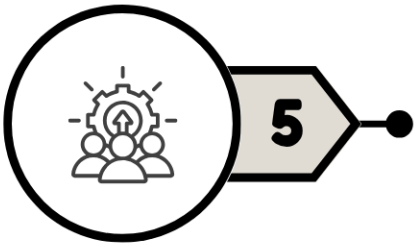
- CHEM 115 "General Chemistry Lab"

PROFESSIONAL DEVELOPMENT

Develop professionally through:

- Two (2) CHEM lab courses from list[3]





DISSEMINATION

Disseminate through:

- CHEM 362 "Undergraduate Research I"
- CHEM 462 "Undergraduate Research II"
- The dissemination experience: either a presentation at a university, regional, national, or international conference OR co-author a manuscript submission[9]

ASRE PATHWAY OF EXCELLENCE IN CHEMISTRY

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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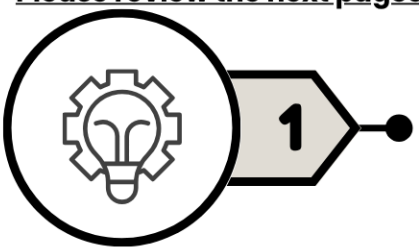


INITIATION

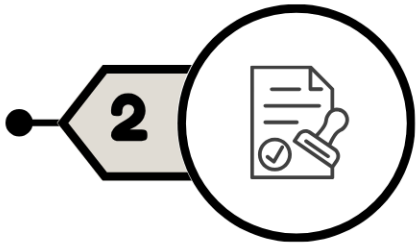
Begin by completing:

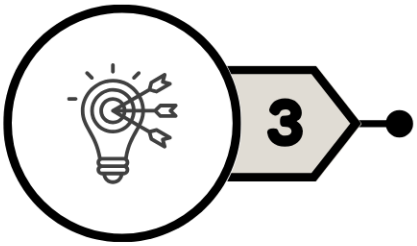
- UNIV 100 "First Year Seminar"
- CHEM 107 "General Chemistry I"

BUILDING SKILLS

Build skills through:

- CHEM 108 "General Chemistry II"
- Two (2) CHEM lecture courses from list[2]
- Two (2) research related workshops[5]





MASTERING SKILLS

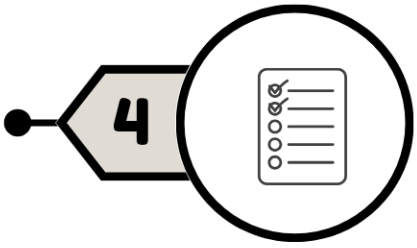
Master skills through:

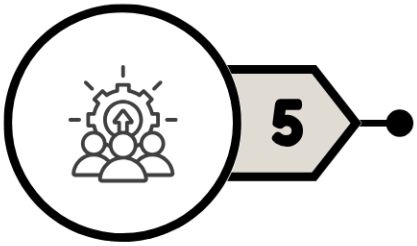
- CHEM 115 "General Chemistry Lab"
- Leadership experience[8]

PROFESSIONAL DEVELOPMENT

Develop professionally through:

- Two (2) CHEM lab courses from list[3]
- The professional development experience: either mentored research[6] OR complete an internship[7]





DISSEMINATION

Disseminate through:

- CHEM 362 "Undergraduate Research I"
- CHEM 462 "Undergraduate Research II"
- The dissemination experience: either co-author a publication submission[9] OR complete an honors thesis

Chemistry 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. CHEM 107 3. CHEM 108 4. Two (2) CHEM Lecture Courses[1] 5. CHEM 115 6. Two (2) CHEM Lab Courses[3] 7. CHEM 362 8. CHEM 462 **Co-curricular** 9. One (1) approved workshop[5] 10. Dissemination Presentation at a departmental, university, regional, national, or international conference **OR** Peer-reviewed manuscript submission[9]	**Curricular** 1. UNIV 100 2. CHEM 107 3. CHEM 108 4. Two (2) CHEM Lecture Courses[2] 5. CHEM 115 6. Two (2) CHEM Lab Courses[4] 7. CHEM 362 8. CHEM 462 **Co-curricular** 9. Two (2) approved workshops[5] 10. Professional Development Mentored Research[6] **OR** Internship[7] 11. Leadership Experience[8] 12. Dissemination Co-author on peer-reviewed publication[9] **OR** Honors thesis

Chemistry 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 300 or 400 level course identified as providing research skill. 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 TWO (2) from list: CHEM 221, CHEM 231, CHEM 232, CHEM 251, CHEM 301, CHEM 302, CHEM 317, or CHEM 320

[2]Choose TWO (2) from list: CHEM 221, CHEM 231, CHEM 232, CHEM 251, CHEM 301, CHEM 302, CHEM 317, CHEM 320, CHEM 401, CHEM 417, CHEM 430, CHEM 432, or CHEM 451

[3]Choose TWO (2) from list: CHEM 222, CHEM 233, CHEM 234, CHEM 252, CHEM 311, or CHEM 319

[4]Choose TWO (2) from list: CHEM 222, CHEM 233, CHEM 234, CHEM 252, CHEM 311, CHEM 312, CHEM 319, CHEM 430, or CHEM 452

[5]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 Chemistry department.

[6]Mentored research includes but is not limited to volunteer, scholarship, paid form faculty grants, MUREs (mentored undergraduate research experience), SUREs (summer undergraduate research experience).

[7]Internship could be internal or external to UL Lafayette.

[8]Leadership experience includes but is not limited to departmental service events, officership in departmental club, SGA member, or student tutor/mentorship.

[9]Must be co-authored. A faculty mentor can petition for an exception to this requirement, for instance, if a manuscript is in preparation. The chemistry faculty will evaluate these requests.