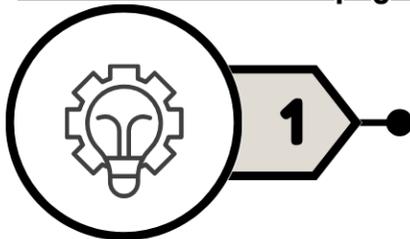


ASRE PATHWAY OF DISTINCTION IN PETROLEUM ENGINEERING

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.



1

INITIATION

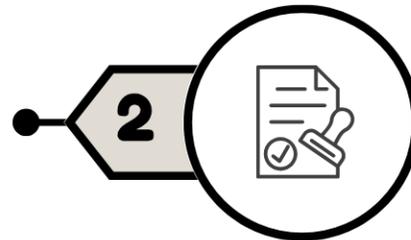
Begin by completing:

- [UNIV 100](#) "First Year Seminar"
- [PETE 101](#) "Introduction to Petroleum Engineering"

BUILDING SKILLS

Build skills through:

- [PETE 215](#) "Programming Fundamentals for Petroleum Engineers"
- Two (2) research related [workshops](#)¹

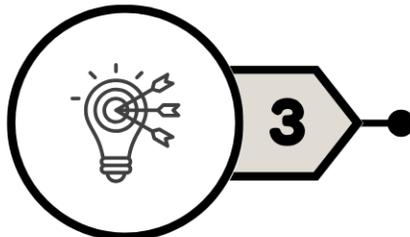


2

MASTERING SKILLS

Master skills through:

- [PETE 311](#) "Drilling Engineering"
- [PETE 421](#) "Reservoir Engineering"
- [PETE 431](#) "Petroleum Production Engineering"

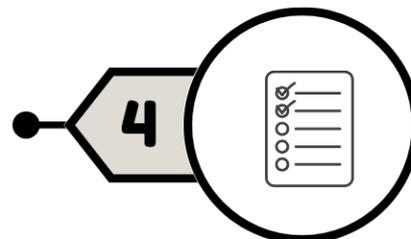


3

PROFESSIONAL DEVELOPMENT

Develop professionally through:

- The professional development experience: either a [leadership experience](#)² OR pass [PETE 497](#) (minimum one (1) semester) OR complete an [R&D Internship/COOP](#)⁴ OR participate in a departmental, university, regional, national, or international [competition](#)⁵

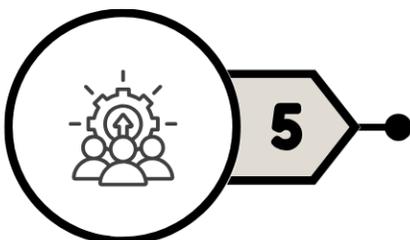


4

DISSEMINATION

Disseminate through:

- [PETE 433](#) "Natural Gas Engineering"
- [Presentation](#) at a departmental or university conference⁶

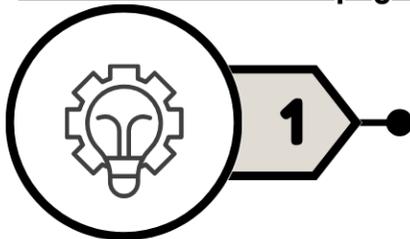


5

ASRE PATHWAY OF EXCELLENCE IN PETROLEUM ENGINEERING

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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1

INITIATION

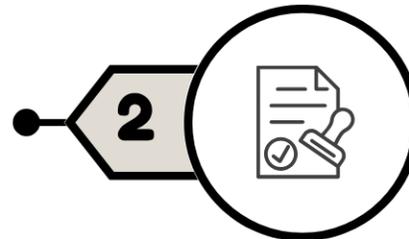
Begin by completing:

- [UNIV 100](#) "First Year Seminar"
- [PETE 101](#) "Introduction to Petroleum Engineering"

BUILDING SKILLS

Build skills through:

- [PETE 215](#) "Programming Fundamentals for Petroleum Engineers"
- Two (2) research related [workshops](#)¹

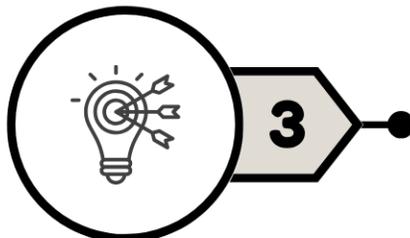


2

MASTERING SKILLS

Master skills through:

- [PETE 311](#) "Drilling Engineering"
- [PETE 421](#) "Reservoir Engineering"
- [PETE 431](#) "Petroleum Production Engineering"

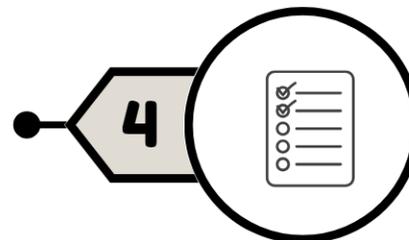


3

PROFESSIONAL DEVELOPMENT

Develop professionally through:

- [Leadership experience](#)²
- The professional development experience: either pass [PETE 497](#) (1-year mentored research experience) OR complete an [R&D Internship/COOP](#)⁴ OR participate in a departmental, university, regional, national, or international [competition](#)⁵

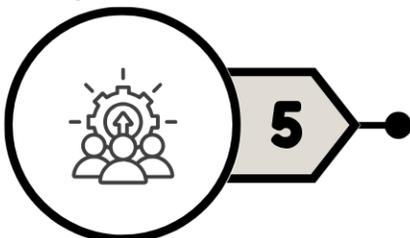


4

DISSEMINATION

Disseminate through:

- [PETE 433](#) "Natural Gas Engineering"
- [STAT 427](#) "Statistical Methods for Researchers I"
- The dissemination experience: either a presentation at a regional, national, or international [conference](#)⁶ OR complete an [honors thesis](#) OR author or co-author a [publication submission](#)



5

Petroleum Engineering ADVANCE SRE Pathways

STUDENT VIEW

See the next page for superscript notes with more information.

Advance SRE Pathway of <u>Distinction</u> Curricular* and Co-curricular Events Required	Advance SRE Pathway of <u>Excellence</u> Curricular* and Co-curricular Events Required
<p>Curricular</p> <ol style="list-style-type: none"> 1. UNIV 100 2. PETE 101 3. PETE 215 4. PETE 311 5. PETE 421 6. PETE 431 7. PETE 433 <p>Co-Curricular</p> <ol style="list-style-type: none"> 8. Two (2) approved <u>workshops</u>¹ <p>9. <u>Professional Development</u> Leadership Experience²</p> <p>OR</p> <p>PETE 497 (minimum one (1) semester)</p> <p>OR</p> <p>R&D Internship/COOP⁴</p> <p>OR</p> <p>Competition⁵</p> <p>10. <u>Presentation</u> at departmental or university conference⁶</p>	<p>Curricular</p> <ol style="list-style-type: none"> 1. UNIV 100 2. PETE 101 3. PETE 215 4. PETE 311 5. PETE 421 6. PETE 431 7. PETE 433 8. STAT 427 <p>Co-Curricular</p> <ol style="list-style-type: none"> 9. Two (2) approved <u>workshops</u>¹ 10. <u>Leadership Experience</u>² 11. <u>Professional Development</u> PETE 497 (1-year mentored research experience)³ <p>OR</p> <p>R&D Internship/COOP⁴</p> <p>OR</p> <p>Competition⁵</p> <p>12. <u>Dissemination</u> Presentation at national or international conference⁶</p> <p>OR</p> <p>Honors Thesis</p> <p>OR</p> <p>Publication submission (author or co-author)</p>

Petroleum Engineering 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 to complete an Advance Pathway and are not approved as substitutions for the degree.

¹Approved 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 Petroleum Engineering department.

²Leadership experience includes, but is not limited to, departmental service events, officership in a departmental club, SGA officership, and student tutor/mentorship. Examples could include being an engineering ambassador.

³Mentored research includes but is not limited to internal or external to UL Lafayette, volunteer, scholarship, paid from grants, MUREs (mentored undergraduate research experiences), SUREs (summer undergraduate research experiences), URAP Apprentice.

⁴COOP/Internship may be internal or external to UL Lafayette. PETE 399 could count.

⁵Participation in competition is required. Departmental, university, regional, national or international competitions will count. Examples: Petrobowl, Drillbotics, Coding competition, Student Pitch Competition.

⁶Presentation may be poster or oral presentation.