

Physics ADVANCE SRE Pathways

| 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 |
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| <p>Curricular</p> <ol style="list-style-type: none"> 1. UNIV 100 2. PHYS 191 AND 192 3. PHYS 291 AND 292 4. PHYS 391 AND 392 5. PHYS 497 6. PHYS 498 7. PHYS 461 8. PHYS 491 9. PHYS 492 <p>Co-curricular</p> <ol style="list-style-type: none"> 10. Two (2) approved <u>workshops</u>¹ 11. <u>Professional Development</u> Mentored Research² OR Internship⁴ OR Professional training⁵ OR REU⁶ 12. <u>Presentation</u> at a university or regional conference | <p>Curricular</p> <ol style="list-style-type: none"> 1. UNIV 100 2. PHYS 191 AND 192 3. PHYS 291 AND 292 4. PHYS 391 AND 392 5. PHYS 497 6. PHYS 498 7. PHYS 461 8. PHYS 462 9. PHYS 491 10. PHYS 492 <p>Co-curricular</p> <ol style="list-style-type: none"> 11. Three (3) approved <u>workshops</u>¹ 12. <u>Leadership Experience</u>³ 13. <u>Professional Development</u> Mentored Research² AND Internship⁴ AND Professional training⁵ OR REU⁶ 14. <u>Dissemination</u> Presentation at a national or international conference OR Honors thesis OR Publication submission⁷ |

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* 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 course 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.

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 Physics department.

²Mentored research includes but is not limited to, volunteer, scholarship, paid from grants, MUREs (mentored undergraduate research experience), or SUREs (summer undergraduate research experience). Mentored research will **NOT** include PHYS 461, PHYS 462, PHYS 497, or PHYS 498.

³Leadership experience includes, but are not limited to, departmental service events (such as Science Day, outreach activities), student's officership in professional organizations or societies (such as SPS), SGA officership, student tutor/mentor.

⁴Internships may be internal or external to UL Lafayette.

⁵Professional training could include 2-week summer schools or university/research laboratory visits to master use of scientific instrument or computational model.

⁶REU is a 10-week research intensive experience for undergraduates sponsored by the National Science Foundation or other Federal agencies/laboratories.

⁷Must be co-author