

# PHYSICS, BACHELOR OF ARTS (BA) / PRE-ENGINEERING TECHNOLOGY (YSU) (3+2)

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## Program Learning Outcomes

Upon graduation, students in the Physics Program at SRU will be:

- Proficient in the basic and advanced concepts of classical and modern physics.
- Accomplished problem solvers capable of applying inductive and deductive logic, mathematical modeling, computational tools, and principles of physics to novel situations.
- Skilled at constructing and assembling experimental apparatuses, conducting and analyzing measurements of physical phenomena, and drawing valid conclusions from experimental data.
- Effective communicators, capable of presenting scientific results effectively to diverse audiences.
- Prepared for a career in science, industry, and education or to pursue a graduate program in physics or related areas.

## Related Links

Pre-Engineering YSU, BA Program Page (<https://www.sru.edu/academics/majors-and-minors/pre-engineering-with-ysu/>)

Physics and Engineering Department Page (<https://www.sru.edu/academics/colleges-and-departments/ches/departments/physics-and-engineering/>)

Professional Licensure/Certification Page (<https://www.sru.edu/students/student-consumer-information/professional-licensure/>)