

Bachelor of Arts – Physics

Mission Statement

The mission of the Physics Department is to provide high-quality instruction in Physics and to train competent Physicists who can contribute significantly to the Physics and Engineering environment in the country. To develop awareness of Physics as an ongoing activity through student involvement in research, thus providing students with a challenging, strongly personalized training program.

Student Learning Outcomes

UWF BS – Physics graduates should be able to do the following:

Content

State and explain the basic laws of the different branches of physics.

Critical Thinking

Analyze a problem or situation and apply logical thinking, along with mathematical analysis, to the solution of the problem.

Communication

Express the knowledge gained from the program in discussion, through written reports, and through presentations.

Integrity/Values

Maintain a strict code of conduct in presentation of results and by providing appropriate references for work cited and used.

Assessment of Student Learning Outcomes

These outcomes will be assessed using a variety of assessment methods, including:

- Projects
- Experiments and reports
- Research papers
- Oral and written presentations
- Exams/tests

Job Prospects for BA – Physics Graduates

- **Engineering:** The largest percentage of physics bachelor's recipients that go directly into the STEM workforce get a job in an engineering field because of the common educational training.
- **Computer Hardware and Software:** The second most common area of work for physics bachelor's recipients is in computer hardware and software, which includes job titles such as Software Engineer, Programmer, Web Developer, Systems Analyst, and Data Analyst.
- **Research and Technical:** Physics graduates often take jobs doing scientific research and working in a laboratory environment.
- **Education:** Educators with bachelor's degrees in physics tend to teach middle or high school science. About half of all high school physics teachers in the United States teach mostly or exclusively physics. The other half teach mainly related subjects like chemistry and math.

Find Out More about BA Physics Teaching at UWF:

<https://uwf.edu/hmcse/departments/physics/>