

# Physics

## Associate in Science Degree

### Why Physics?

Physics is a broad field that can lead to several different career paths, including research in the many sub-fields of physics and astronomy, engineering, education and technology. Many careers in the other natural sciences also require some general physics knowledge; for example, pre-medical programs. Jobs in Physics require a Bachelor degree or higher. Most people pursuing a degree in physics are serious about seeking a Masters degree or Ph.D., with the strong desire to engage in research as a physicist or astronomer.

### Why Bay College?

The Physics program at Bay College offers students the opportunity to get a head start on their degree of interest at much lower cost with much better access to their chemistry, math and physics instructors than they would at a large 4-year institution. Beginning undergraduate students seeking a Bachelors degree in physics can begin their education at Bay College by taking Calculus I, II, and III, Differential Equations and Linear Algebra (all required math courses) and Engineering Physics I and II, as well as General Chemistry I and II (also required). These classes all transfer to the student's next institution. The above classes also apply to engineering degrees. Beginning undergraduate students seeking a degree in chemistry or biology can plan on taking two semesters of trigonometry-based physics, which Bay College offers, titled Elements of Physics I and II

### Beyond Bay College

Students interested in transferring to a four-year institution to obtain a bachelor's degree or higher may find opportunities in the following areas of study:

- **Physics**
- **Astronomy**
- **Education**

### Contact

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