BIOLOGICAL SCIENCE
What is it?
• The study of life and the structure and behavior of living organisms.

What will I study?
• A broad study of biology core classes coupled with specialty elective areas in cell and molecular biology; evolution and environmental science; marine biology; zoology; physiology; neuroscience; plant science; ecology; and pre-professional health science.

What courses will I need before I start?
• Precalculus
• Analytic Trigonometry
• Biological Science I w/ Lab
• Biological Science II w/ Lab
• General Chemistry I w/ Lab
• General Chemistry II w/ Lab

Who can I contact for information?
• Bonnie Garcia-Gloeckner, Advisor
  bgarcia@bio.fsu.edu

BIOCHEMISTRY
What is it?
• The study of chemistry, physics and math to understand the chemical framework for all life processes.

What will I study?
• A broad introduction to biochemistry through a foundation in analytical, organic, and physical chemistry courses coupled with biological science and genetics.

What courses will I need before I start?
• Calculus I
• Calculus II
• Biological Science I w/ Lab
• Biological Science II w/ Lab
• General Chemistry I w/ Lab
• General Chemistry II w/ Lab
• Organic Chemistry I w/ Lab
• Organic Chemistry II w/ Lab

Who can I contact for information?
• Joshua Cummings, Coordinator
  jcummings@chem.fsu.edu

BIOMATHEMATICS
What is it?
• An interdisciplinary math major with focus in biology that prepares students to pursue work in the pre-medical, computational biology, and bioinformatics fields.

What will I study?
• Algorithms for science applications, symbolic and numerical computations, bioinformatics, modeling in biology, and collateral science courses in chemistry, physics and genetics.

What courses will I need before I start?
• Calculus I
• Calculus II
• Calculus III
• Ordinary Differential Equations
• Scientific Programming
• 1 laboratory based science course

Who can I contact for information?
• Danielle Lewis, Academic Advisor
  advisor@math.fsu.edu

CHEMICAL SCIENCE
What is it?
• A general study of chemistry that provides the knowledge to pursue graduate work, pre-professional work in forensics or crime scene investigation, or as preparation for teaching chemistry in K-12 schools.

What will I study?
• A broad study of required chemistry core-curriculum courses coupled with a year in college physics.

What courses will I need before I start?
• Calculus I
• General Chemistry I w/ Lab
• General Chemistry II w/ Lab
• Organic Chemistry I w/ Lab
• Organic Chemistry II w/ Lab

Who can I contact for information?
• Joshua Cummings, Coordinator
  jcummings@chem.fsu.edu

Other majors you may want to consider: Computational Biology, Chemical Engineering, Environmental Chemistry, Meteorology, Food and Nutrition Science

Program information subject to change.
* denotes majors that are also available at the Panama City Campus. † denotes majors that are also available as Distance Learning.

Please refer to the FSU Academic Program Guide (academic-guide.fsu.edu) and Match Major Sheets (career.fsu.edu/resources) for specific course numbers & more information.

Effective Summer 2017

Please flip over for additional majors →
### CHEMISTRY
**What is it?**
- The experimentation and study of substance, and how it is composed, structured, reacts, and transforms.

**What will I study?**
- A broad core curriculum in chemistry: organic and inorganic, analytical, physical, physiochemical measurements and techniques, coupled with required collateral physics and math courses.

**What courses will I need before I start?**
- Calculus I
- Calculus II
- General Chemistry I w/ Lab
- General Chemistry II w/ Lab
- Organic Chemistry I w/ Lab
- Organic Chemistry II w/ Lab

**Who can I contact for information?**
- Joshua Cummings, Coordinator
  - jcummings@chem.fsu.edu

### PHYSICAL SCIENCE
**What is it?**
- A broad study of science that provides opportunity to explore both the natural and technological world.

**What will I study?**
- Interdisciplinary coursework options: meteorology, geology, chemistry, modern physics and astrophysics, computer programming, mathematics.

**What courses will I need before I start?**
- Calculus I
- Calculus II
- General Chemistry I w/ Lab
- General Chemistry II w/ Lab
- General Physics A w/ Lab
- General Physics B w/ Lab

**Who can I contact for information?**
- Brian Wilcoxon, Program Advisor
  - ugrad@physics.fsu.edu

### PHYSICS
**What is it?**
- A study of the physical properties of matter, energy, and the interactions between them.

**What will I study?**
- A traditional physics curriculum through mechanics and quantum mechanics, astrophysics, general and special relativity, particle and nuclear, condensed matter.

**What courses will I need before I start?**
- Calculus I
- Calculus II
- Calculus III
- General Chemistry I w/ Lab
- General Physics A w/ Lab
- General Physics B w/ Lab

**Who can I contact for information?**
- Brian Wilcoxon, Program Advisor
  - ugrad@physics.fsu.edu

### PHYSICS & ASTROPHYSICS
**What is it?**
- A specialized field of study in physics focused on astronomy.

**What will I study?**
- A traditional physics curriculum coupled with specialized coursework in radiation transport, extragalactic astronomy, cosmology.

**What courses will I need before I start?**
- Calculus I
- Calculus II
- Calculus III
- General Chemistry I w/ Lab
- General Physics A w/ Lab
- General Physics B w/ Lab

**Who can I contact for information?**
- Brian Wilcoxon, Program Advisor
  - ugrad@physics.fsu.edu

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Other majors you may want to consider: Computational Biology, Chemical Engineering, Environmental Chemistry, Meteorology, Food and Nutrition Science

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