Life & Physical Science Options  
School of Science  
Department of Computer Science

Both BA and BS students are required to complete at least four science lecture courses totaling a minimum of 12 credit hours outside the major department. At least one of the courses must have a laboratory component. BS students fulfill the laboratory component needed by completing required PHYS 15200.

**Lecture Only Options**
- AST-A 100 The Solar System
- AST-A 103 Search for Life in the Universe
- AST-A 105 Stars and Galaxies
- AST-A 205 Quasars, Pulsars, and Black Holes
- FIS 20500 Concepts of Forensic Science I
- FIS 20600 Concepts of Forensic Science II
- BIOL-N 212 Human Biology
- BIOL-N 214 Human Biology
- \textit{CHEM-C 101 Elementary Chemistry (for BA in applied computer science students ONLY)}
- CHEM-C 105 Principles of Chemistry (pre-req certain scores on math placement and chemistry placement test)
- CHEM-C 106 Principles of Chemistry II
- CHEM-C 110 The Chemistry of Life
- GEOL-G 109 Fundamentals of Earth History
- GEOL-G 110 Physical Geology
- GEOL-G 135 Indiana Geology
- PSY-B 201 Foundations of Neuroscience  
  \textit{(P: PSY-B 110 and BIOL-K 101)}

**Lecture and Laboratory Options**
- BIOL-K 101 Concepts of Biology I
- BIOL-K 102 Honors Concepts of Biology I
- BIOL-K 103 Concepts of Biology II
- BIOL-K 104 Honors Concepts of Biology II
- BIOL-N 107 Exploring the World of Animals
- BIOL-N 212 Human Biology / BIOL-N 213 Human Biology Lab
- BIOL-N 214 Human Biology / BIOL-N 215 Human Biology Lab
- BIOL-N 217 Human Physiology
- BIOL-N 251 Introduction to Microbiology
- BIOL-N 261 Human Anatomy
- \textit{CHEM-C 101 Elementary Chemistry / CHEM-C 121 Elementary Chemistry Laboratory (for BA in applied computer science students ONLY)}
- CHEM-C 105 Principles of Chemistry I / CHEM-C 125 Experimental Chemistry I Laboratory
- CHEM-C 106 Principles of Chemistry II / CHEM-C 126 Experimental Chemistry II Laboratory
- GEOL-G 110 Physical Geology / GEOL-G 120 Physical Geology Laboratory
- GEOL-G 135 Indiana Geology/GEOL-G 136 Indiana Geology Lab
- PHYS 15200 Mechanics
- PHYS 25100 Heat Electricity and Optics
The following science courses will not count in the General Education Core, but can be applied toward the life and physical science courses required under the advising check sheet heading “Baccalaureate Competencies:”

ECE 20100 Linear Circuit Analysis
ECE 20200 Linear Circuit Analysis II
ECE 27000 Introduction to Digital System Design

And remember…when in doubt, ask! Always feel free to contact your academic advisor for clarification on what courses can and cannot count toward your life and physical science requirement. The Computer and Information Science Academic Advisor may be reached at:

Tenille Bullock
317-274-2724
tbullock@iupui.edu