

## 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

*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 exams)

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  
(P: PSY-B 110 or 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

*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

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