Student Learning Outcomes Library

Office of Assessment & Accreditation
Indiana State University

Biology with Specialization in Medical Laboratory Science
Spring 2015

Outcome	Related Foundational Studies or Graduate Goal
1.1: Students will describe the chemical and molecular processes fundamental to living cells.	
1.2: Students will describe the fundamental cellular and molecular basis of genetics.	
1.3: Students will describe the fundamentals of innate and adaptive immunity.	
1.4: Students will describe the fundamental physiological processes of the human body.	
2.1: Students will apply the quantitative methods, instrumentation, and data analysis to explore living systems.	
2.2: Students will evaluate and interpret the outcomes of quantitative methods, instrumentation, and data analysis.	
3.1: Students will demonstrate professional communication skills.	
4.1: Students will describe the chemical and molecular processes fundamental to living organisms.	
4.2: Students will describe and illustrate the fundamental structure and processes of prokaryote and eukaryote cells.	
4.3: Students will explain and illustrate how the growth and behavior of organisms are activated and regulated.	
4.4: Students will explain and illustrate how the normal physiology of the human body functions to maintain homeostasis.	
5.1: Students will apply the process of science to understand biological phenomena.	
5.2: Students will evaluate the outcomes of scientific experiments.	**FS2**
6.1: Students will explain ethical implications of decisions and actions.	

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Foundational Studies Learning Goals

FS1. Solve problems.
FS2. Evaluate ideas.
FS3. Learn and apply knowledge and skills.
FS4. Demonstrate appreciation for the arts.
FS5. Embrace civic duty.
FS6. Understand diversity.
FS7. Act as a global citizen.
FS8. Behave ethically.
FS9. Cultivate wellness.
FS10. Communicate effectively.

Graduate Student Learning Goals

G1. Demonstrate professional communication proficiencies.
G2. Engage in and meaningfully contribute to diverse and complex communities and professional environments.
G3. Recognize and act on professional and ethical challenges that arise in their field or discipline.
G4. Achieve mastery of the knowledge required in their discipline or profession.
G5. Achieve mastery of the skills (including using appropriate tools) required in their discipline or profession.