

# Student Learning Outcomes Library

Office of Assessment & Accreditation

Indiana State University

## M.S. Biology

*Thesis-Option Adjustments to Outcomes Listed in Italics*

Fall 2020

Outcome	Related Foundational Studies or Graduate Goal
Students will be able to communicate the design, results, and interpretation of scientific inquires in written and oral forms appropriate to the audience.	GSLO 1 & 2
Students will master the content of their discipline and have the ability to evaluate current biological literature. <i>Students will master the content of their discipline and stay current with biological literature.</i>	GSLO 4
Students will utilize their knowledge to evaluate novel, testable theories and hypotheses. <i>Students will utilize their knowledge to evaluate novel, testable theories and hypotheses and conduct research.</i>	GSLO 4 & 5
Students will understand the elements of ethical standards in research. <i>Students will apply ethical standards in research.</i>	GSLO 3
Students will demonstrate a breadth of knowledge.	

### 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.