

# Program Learning Outcomes

I= Introduced  
 R= Reinforced  
 M= Mastered

Program Name: Biology (B.S.)

Date: 8-20-20, rev. ~~9-24~~

Program Learning Outcome	Courses Mapped to Outcomes													
Knowledge, skill, or behavior students can demonstrate upon program completion	BIOL 105/107 (or 207)	BIOL 106/108 (or 208 or 195)	BIOL 221 Hum Phys	BIOL 301 Micro	BIOL 315 Adv Ecol	BIOL 318 Math Bio	BIOL 330Bio Phys	BIOL 340Adv Plnt	BIOL 341 Vird	BIOL 343 Plnt Sys	BIOL 348/349 CellBio	BIOL 355 DevBio	BIOL 356/357 Genetic	BIOL 366 Mol Bio
1 Students will demonstrate knowledge across broad biological topics	I	I	R	R	R	R	R	R	R	R	R	R	R	R

9	Students will understand and make meaningful connections across disciplinary boundaries when responding to a current issue in the biological sciences						R	R							
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# Program Learning Outcomes: Assessment Tools

Program Name: Bachelor of Science (BS) in Biology

Date: 8-20-2020 rev. ~~8~~-24

Program Learning Outcome

- 6 Students will express confidence in their abilities to engage in scientific inquiry
- National Survey of Student Engagement (NSSE) items:
- a. Thinking critically and analytically
  - b. Analyzing numerical and statistical information
- Students complete NSSE survey during freshman and senior years. Cohort average of 3.50 on a 4-point scale. Results will be requested from Frost Center.
- Results (scores) reviewed every three years by faculty during