Institutional Learning Outcomes (https://www.uwgb.edu/provost/institutional-learning-outcomes/2022/)

1. Demonstrate the **specialized knowledge, skills and perspectives** in their chosen field or fields of study.
2. Demonstrate **broad and integrative knowledge** across a variety of fields of study.
3. Develop a variety of practical and **intellectual skills**, including inquiry and analysis, critical and creative thinking, oral and written communication, quantitative literacy, information literacy, and teamwork and problem-solving
4. Be anchored in **personal and social responsibility skills**, as demonstrated by engaged citizenship with a commitment to equity and inclusion knowledge of environmental and cultural sustainability, intercultural knowledge, global learning, ethical reasoning, interdisciplinarity, and foundations for lifelong learning.
5. Engage in **applied, collaborative and integrated learning** in both academic and non-academic settings.

General Education Outcomes (https://catalog.uwgb.edu/undergraduate/planning/general-education/#text)

Biological Sciences

- ✓ Explain central principles and theories of biological sciences.
- ✓ Describe the inquiry process through which the sciences approach the development of understanding of the natural/biological world.

Sustainability

- ✓ Think critically regarding the array and implications of alternative sustainability definitions and describe why actions to achieve sustainability are complex and controversial.
- ✓ Discuss sustainability within the context of ethical decision-making and engage in informed judgments about environmental problems as socially responsible citizens.

Biology Program Outcomes (https://catalog.uwgb.edu/undergraduate/programs/biology/)

1. Describe the organization and diversity of life at levels of complexity from subcellular to ecosystem.
2. Demonstrate an understanding of genetic information, hereditary processes, and their relevance to evolutionary change as a product of mutation and natural selection
3. Explain the important processes and pathways that sustain living organisms including functional systems for exchange of energy and matter
4. Solve problems by applying a scientific process of inquiry, including the effective use of appropriate techniques, instrumentation, and data analysis
5. Identify and interpret findings of scientists and communicate results of scientific work to others in the scientific community and the general public

Biology Curriculum Map

The level at which each PLO is taught is indicated by : introductory (I), reinforced (R), and mastery (M). The presence of a high-impact practice is indicated by a check mark (✓) in the HIPS column. Whether or not a course addresses a general education learning outcome or an institutional learning outcome (ILO) is also indicated by a check mark (✓).

Course	HIPS	PLO1	PLO2	PLO3	PLO4	PLO5	GenEd	ILO1	ILO2	ILO3	ILO4	ILO5
198	✓							✓		✓		
201		I	I	I			✓	✓		✓		
202 (lab)			I	I	I	I		✓		✓		
203		I	I	I			✓	✓		✓		
204 (lab)		I	I		I	I		✓		✓		
298	✓				R			✓		✓		
299	✓	I		I	I	I	✓	✓		✓	✓	✓
303			R					✓		✓		
304 (lab)	✓		R		R			✓		✓		
306 (lab)	✓	R	R	R	R	R		✓		✓		✓
307		R	R	R		R		✓		✓		
308 (lab)	✓				R	R		✓		✓		
309		R	R					✓		✓		
310 (lab)	✓	R			R			✓		✓		
311 (lab)	✓			R	R	R		✓		✓		
312 (lab)	✓	R			R			✓		✓		
320 (lab)	✓	R			R			✓		✓		
322 (lab)	✓	R			R			✓		✓		
323		R						✓		✓		
324 (lab)					R			✓		✓		
340 (lab)	✓	R			R			✓		✓		
341 (lab)	✓	R			R			✓		✓		
342 (lab)	✓	R			R			✓		✓		
343 (lab)	✓	R			R			✓		✓		
345		R						✓		✓		
346		R		R				✓		✓		
355 (lab)	✓	R			R			✓		✓		
357 (lab)		R			R			✓		✓		

Course	HIPS	PLO1	PLO2	PLO3	PLO4	PLO5	GenEd	ILO1	ILO2	ILO3	ILO4	ILO5
360				R				✓		✓		
361				R				✓		✓		
365 (lab)	✓	R			R			✓		✓		
370					R			✓		✓		
375			M					✓		✓		
401 (lab)	✓				M			✓		✓		
402 (lab)	✓	M		M	M	M		✓		✓		
407		M	M					✓		✓		
408 (lab)	✓		M		M	M		✓		✓		
410		M	M	M				✓		✓		
411 (lab)	✓				M	M		✓		✓		
449		M		M	M	M		✓		✓		
450		M		M	M	M		✓		✓		
461				M	M			✓		✓		
469 (lab)	✓	M	M		M	M	✓	✓		✓		
478								✓		✓		
490 (capstone)	✓					M		✓		✓		
495	✓							✓		✓		
496	✓				M			✓		✓		
497	✓							✓		✓		
498	✓							✓		✓		
499	✓	R		R	R	M		✓		✓	✓	✓