

Institutional Student Learning Outcomes

Biology Program

Hagerstown Community College students will be prepared to:

Learning Outcomes	Demonstrated By	Related Activity Examples
<p>1. Demonstrate personal and social responsibility by practicing responsible citizenship, being open to new ideas, and experiencing cultural diversity</p>	<p>Civic Engagement Financial responsibility Collaboration/teamwork Ethical reasoning and action Humanitarianism, Involvement in campus life Healthy Lifestyle</p>	<p>Regular class attendance and meeting required due dates for all class assignments.</p> <p>Participation in diverse ‘learning teams’ to complete cooperative lab activities.</p> <p>Adhering to all safety guidelines while participating in lab activities.</p>
<p>2. Practice intellectual and practical skills such as critical and independent thinking, effective communication, and knowledge acquisition and application</p>	<p>Academic success Involvement in campus life Integration of digital resources into learning experiences Information Literacy</p>	<p>Accessing class content and related links on Moodle and textbook sponsored websites (ie. Mastering Biology, Mastering Chemistry).</p> <p>Accessing scientific information through appropriate web searches to complete class assignments.</p> <p>Accessing scientific information through HCC library databases.</p> <p>Application of critical thinking skills to the analysis of scientific data and information to complete lab reports, class assignments, and exams.</p> <p>Using scientific instrumentation to make observations, test hypotheses and generate scientific data.</p> <p>Graphing and analysis of scientific data using a graphing program.</p> <p>Completion of Biology Program</p> <p>Participation in the Science Club</p>

<p>3. Demonstrate self-direction, persistence and lifelong learning</p>	<p>Develop/achieve college goals Application of knowledge, skills, and responsibilities to future situations</p>	<p>Complete rigorous courses with multiple assessments in biology, chemistry, physical science and math.</p> <p>Use college resources to self-advise and enroll in classes via Web-Advisor.</p> <p>Successful transfer to four-year degree programs.</p>
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