

Institutional Student Learning Outcomes**Chemistry Program**

Hagerstown Community College students will be prepared to:

Learning Outcomes	Demonstrated By	Related Activity Examples
1. Demonstrate personal and social responsibility by practicing responsible citizenship, being open to new ideas, and experiencing cultural diversity	Collaboration/teamwork Ethical reasoning and action Involvement in campus life Healthy Lifestyle	Completion of laboratory notebook for organic chemistry STEM club Teamwork for green chemistry laboratory projects (end of CHM 204) Proper disposal of hazardous waste materials Learning to protect our environment and health with green chemistry laboratories
2. Practice intellectual and practical skills such as critical and independent thinking, effective communication, and knowledge acquisition and application	Academic success Involvement in campus life Integration of digital resources into learning experiences Information Literacy	Completion of 60 credits in the chemistry program Use of Moodle Use of LSC /publisher computer related resources (MasteringChemistry, WileyPlus, etc) Use of Library databases Presentations
3. Demonstrate self-direction, persistence and lifelong learning	Develop/achieve college goals Application of knowledge, skills, and responsibilities to future situations	Persist in rigorous courses through challenges and failure: ex. MAT 203, CHM 203/204, BIO 201, BTC 201, etc. . Use college resources to self-advise Web Advisor, optional: Complete Internship related to program Find employment or transfer to upper division program