I= Introduced

			Courses Mapp	ed to Outcomes	Outcomes		
Knowledge, skill, or behavior students can demonstrate upon program completion	Chem 311 Biochemistry I	Chem 314 Biochemistry II	Chem 315 Biochemistry Lab	Bio 366 Molecular Bio and Lab	Chem 343 Physical Chemistry I	Chem 345 Physical Chem Lab I	
Fundamental Knowledge: Students will demonstrate knowledge in all major fields of chemistry (analytical, biochemistry, inorganic, organic, and physical) and in broad biological topics (organismal, cellular, molecular and genetic levels of biological organization).	R	M	M	R	R	R	
Practical Skills and Safety: Students will show understanding in the theory and practice of laboratory techniques and major instrumentation, and will use safe procedures in a biology, chemistry and biochemistry laboratory.	R	R	M	M	R	M	

Analytical Skills:

Students will demonstrate problemsolving skills, biological and chemical

will express confidence in their abilities to engage in scientific inquiry.						
Scientific Communication Skills: Students will show proficiency in scientific communication including laboratory notebooks, laboratory reports, research proposals, journal articles, oral and poster presentations, and working in groups.	R	R	R	R	R	Μ
Professional outcomes: Students will demonstrate an understanding of the connections between biochemistry and other science disciplines. Students will have a successful transition to their post-college activities.	I	R	M	R	R	R

essment Tools

		Date: 5/12/2020					
Timeline/Frequency of Assessment	Target	Review					
. Every year	Chem 125/6: average above 50th percentile	I					
ienBior year	314: average above 65th percentile Bio: Cobort we 60 am weige 6 (wi)irog 4@76 402 6 Tmp2 6 Tmp0 \mathfrak{R} (4)2 (c)1 3 (c)12 2 (c)						

Scientific Inquiry Skills: