

## SCIENCE CONTENT PREREQUISITE DISTRIBUTION WORKSHEET

Name: \_\_\_\_\_ Program: \_\_\_\_\_

Degree and Date: \_\_\_\_\_ Institution/ GPA: \_\_\_\_\_

To be fully admitted to the University at Buffalo initial or initial/professional science teacher certification program (Biology, Chemistry, Earth Science, or Physics), students must have:

- at least 30 credit hours in science content.
- coursework that meets the content distribution in the tables below.
- grades of “C” or higher in all content coursework.

Students can be conditionally accepted to the program without all content requirements completed, however, all requirements must be completed **prior to student teaching** and/or **prior to degree conferral**.

For ALL science education programs, coursework must include:

Credit Hours	Course	Complete ✓
3	Biology	
3	Chemistry	
3	Earth Science	
3	Physics	

This worksheet is intended as a guide to assist prospective students in their planning. Use the chart that corresponds to your intended content area (Biology, Chemistry, Earth Science, or Physics) to check prerequisite content requirements for admission in our science education programs. The final determination of prerequisite content requirements will be made by faculty in the Department of Learning and Instruction during the admission process.

Biology Certification Track				
Coursework in the following areas:				
Department	Course #	Course Title	Credits	Grade
		Ecology		
		Physiology/Developmental Biology		
		Molecular Biology/Genetics		
		Biochemistry		
		Cell Biology		
		Evolutionary Biology		

Chemistry Certification Track				
Coursework in the following areas:				
Department	Course #	Course Title	Credits	Grade
		General Chemistry		
		Inorganic Chemistry		
		Organic Chemistry		
		Analytical Chemistry		
		Physical Chemistry		
		Other Chemistry Content		

Earth Science Certification Track				
Coursework in the following areas:				
Department	Course #	Course Title	Credits	Grade
		Environmental Science		
		Evolution of the Earth and Solar Systems		
		Geological Mapping		
		Geochemistry		
		Rocks and Minerals		
		Surface Processes and Hydrology		
		Structure/Geophysics/Tectonics		

Physics Certification Track				
Coursework in the following areas:				
Department	Course #	Course Title	Credits	Grade
		General Physics		
		Mechanics		
		Modern Physics		
		Electricity and Magnetism		
		Thermodynamics		
		Other Physics Content		

Requirements Met ✓				
30 Credits		Meets Distribution		Grades of "C" or better
Courses Needed:				