

ASSESSMENT FOR SECONDARY EDUCATION!

The **P a E c** **Ob c** of the Secondary Biology Program are to prepare teachers that meet the criteria of effective teachers as outlined in the Illinois Professional Teaching Standards and National Science Teachers Association (NSTA) 'Science Teacher Preparation Standards'. Specifically, our objectives are to prepare science teachers who are:

1. Proficient in content knowledge of Biology and allied science disciplines.
2. Cognizant of the roles of education, science and technology in society and the skill to use current and relevant issues to teach science.
3. Prepared to address diverse student learning styles especially in the urban classroom as well as problem solve and manage effectively high school classroom.
4. Able to create and deliver effective instructional plans that feature nature of science and inquiry methods that are data-based and promote critical thinking and problem-solving skills.
5. Prepared to incorporate technology, math and statistics into lessons regularly.
6. Able to apply effective and varied assessment tools in order to gauge student learning and develop their teaching expertise.
7. Poised to become active members of the science education community.
8. Prepared to conduct biology experiments safely and teach safe laboratory practices to students.

ASSESSMENT FOR BIOLOGY SECONDARY EDUCATION MAJORS!

Evaluated as part of Instruments 3 and 6

7. Evaluate student conceptions and learning through the use of varied assessments and use assessment to guide instruction. Instrument 5, the Impact on Student Learning project, is completed during student teaching.

These outcomes are diagrammed in our **C c Ma B S c a E ca Ma**
 (K = Knowledge/comprehension, A = Application/Analysis, S = Synthesis/Evaluation):

			BIOL		
	MATH	CHEM	1710	BIOL	
	1200/10	1550/60	BIOL	2550	PSYC
Learning	PHYS	CHEM	3040/50	BIOL	2020/40
Outcome	1140	2500/10	BOT	3055	SPED
	GEOG	PHYS	2050	PSLY	
	1300	1510/20	ZOOL	2040	
			2040		

