**College Biology Learning Targets**

**Bio 102**

**Unit 1 What is Life/Scientific Method**

1. I can identify characteristics of living things.
2. I can make a slide and use a compound microscope.
3. I can design and conduct an experiment using the scientific method.

**Unit 2 Ecology**

1. I can distinguish between biotic and abiotic factors.
2. I can describe how water, carbon, nitrogen and phosphorous cycle in an ecosystem.
3. I can describe how energy is transferred through a food web, draw a food chain and identify trophic (feeding) levels.
4. I can identify relationships (symbiotic, parasitism, mutualism, commensalism) that affect living things.
5. I can analyze how change in an ecosystem can affect the number and type of organisms in an area.
6. I can discuss factors (natural resources or human activities) that affect earth’s climate.
7. I can identify an environmental issue and evaluate its impact on an ecosystem.
8. I can identify factors that affect population size and carrying capacity.
9. I can explain biodiversity and its role in ecosystem stability.
10. I can identify the characteristics of various biomes.

**Unit 3 Photosynthesis/Respiration**

1. I can identify the reactants and products in photosynthesis.
2. I can identify the reactants and products in cellular respiration.