

### Alignment of Outcomes with Goals

The tables below show that the College mission and institutional goals can guide learning outcomes. Progress toward concrete learning outcomes should be tied to progress toward the values and purposes of the mission.

#### Outcome Alignment with School and College Goals

College Mission	<ul style="list-style-type: none"><li>● As a liberal arts college, Siena...develops in each individual an appreciation for the richness of exploring knowledge from a variety of perspectives and disciplines.</li><li>● We foster intellectual curiosity and the passionate pursuit of knowledge to lead meaningful, successful, and fulfilling lives.</li><li>● We identify, develop, and implement imaginative, forward-thinking ideas with the foresight to meet emerging needs.</li></ul>
School Learning Goal (School of Science)	<ul style="list-style-type: none"><li>● The Scientific Method: Students will...ask questions of the natural world, understand the answers, and communicate this understanding to others</li></ul>
Program Learning Outcomes (Biology Program)	<ul style="list-style-type: none"><li>● Apply scientific inquiry to address biological questions, including hypothesis formulation and experimental design.</li><li>● Apply quantitative reasoning to problems in biology, including analyzing data and modeling biological phenomena.</li></ul>
Course Learning Outcomes (Biology Course)	<ul style="list-style-type: none"><li>● Create an original hypothesis and test the hypothesis by designing and conducting a biology experiment.</li><li>● Analyze data from a biology experiment.</li></ul>

### Outcome Alignment with Core Goals

Core Goal (Diversity Goal)	Diversity: American & Global Pluralism (CFD). The Franciscan concern for diversity flows from its affirmation of each individual as worthy of respect and compassion. Individuality implies plurality of perspective, both on the levels of differences among persons and on the level of differences among peoples. Appreciating diversity requires that students have the opportunity to see things from perspectives they do not normally occupy. This includes examination of diverse intellectual perspectives. CFD courses offer students opportunities for shifting perspective to “other” persons, peoples and ideas, in either a domestic or global context.
Course Learning Outcomes (Diversity-Related CLOs)	<ul style="list-style-type: none"><li>● “Develop a perspective that recognizes diversity within and among cultures.”</li><li>● “Explore multiple perspectives, affirm individual rights and appreciate individual differences and differences among groups of people”</li></ul>