

STEM State Program Area Descriptions

Science & Mathematics Pathway:

Biotechnology STEM Program: The **Biotechnology STEM** State Program Area introduces students to the use of organisms at the molecular level to develop, make, or modify products. Students learn foundational knowledge about this process as well as laboratory skills in order to manipulate organisms genetically. The program area can be directed towards the agricultural, medical, or pharmaceutical areas of study.

Biomedical Science and Medicine STEM Program: The **Biomedical Science and Medicine STEM** State Program Area is an academically intense, project-based program which focuses on the biomedical field. Students will be able to test for college credit through AP courses and successfully transition to post-secondary.