

Health Science - Biomedical Science

Degree Type

Specialty Programs

Biomedical Sciences Pathway

The rigorous and relevant four-course Project Lead the Way (PLTW) Biomedical Science sequence allows students to investigate the roles of biomedical professionals as they study the concepts of human medicine, physiology, genetics, microbiology, and public health. Students experience engaging activities such as a fictional death investigation to learn content in the context of real-world cases. They examine the structures and interactions of human body systems and explore the prevention, diagnosis, and treatment of disease, all while working collaboratively to understand and design solutions to the most pressing health challenges of today and the future.

Biotechnology Research & Development

Biotechnology Research & Development Pathway: Careers in the Biotechnology Research & Development pathway involve bioscience research and development as it applies to human health. These scientists may study diseases to discover new treatments or invent medical devices used to directly assist patients or to improve the accuracy of diagnostic tests.

Program Type

Transfer

Schools

Gainesville High School,
Osborn Park High School

Biomedical Science Program Sequencing

Grade 9:

Title	Credits
Principles of Biomedical Science (PLTW)	1

Grade 10:

Title	Credits
Human Body Systems (PLTW)	1

Grade 11:

Title	Credits
Medical Interventions (PLTW)	1

Grade 12:

Title	Credits
Biomedical Innovation (PLTW)	1
Total Credits	4