



BIOMEDICAL SCIENCE PATHWAY

Is the Biomedical Science pathway right for me?

Offered at Englewood High School, the Biomedical Science pathway is a strong fit for students interested in the field of medicine or who would like to learn about life science. Students will explore a variety of careers in Biomedical Science, Health and Medical Services, and Biomedical Engineering. Students in the Biomedical Science pathway will participate in field experiences and learn from experts. Students will explore the roles of biomedical professionals while studying the concepts of human medicine, physiology, genetics, microbiology, and public health.

The Biomedical Science pathway prepares students to earn industry credentials required in the high skill, high demand, high paying careers of the healthcare industry. Students will examine structures and interactions of human body systems and explore the prevention, diagnosis and treatment of diseases while working collaboratively to understand and design solutions to pressing health challenges.



ABOUT STEAM PATHWAYS

The Englewood Schools STEAM pathways provide students with rigorous coursework and build technical skills through hands-on applied learning in a career interest area. Participation in a sequence of courses within a pathway prepares students for college and careers.

COLLEGE AND CAREER SUCCESS

STEAM pathways in Englewood Schools offer high school students the opportunity to earn and participate in the following:

- College credit
- Advanced Placement credit
- Industry certificates
- State-recognized STEM-endorsed diploma
- Internships
- Apprenticeships
- Capstone projects

Popular Health Science Careers

Most health science careers require post-secondary education ranging from certificates to associate degrees to masters degrees and doctorates.

HIGH SCHOOL DIPLOMA + CERTIFICATE	ASSOCIATE'S DEGREE	BACHELOR'S DEGREE	POST GRADUATE DEGREE (MASTER'S OR HIGHER)
Medical Assistant Nurses Aide	Dental Hygienist Massage Therapists Paramedic/EMT Physical Therapy Assistant Radiology Technician Respiratory Therapist Veterinarian Technician	Athletic Trainer Dietician/Nutritionist Nurse	Chiropractor Dentist Nurse Practitioner Optometrist Pediatrician Pharmacist Physician Physical Therapist Physician Assistant Surgeons Veterinarian

DID YOU KNOW?

- The average income for healthcare practitioners and technical occupations is **\$63,420**. Healthcare occupations are projected to **grow 18%** by 2026, adding **2.4 million jobs**.*
- 18 million = expected worldwide shortage of health workers by 2030**

*US Bureau of Labor Statistics

**World Health Organization



COLLEGE MAJORS

- Biology
- Physics
- Genetics
- Chemistry
- Microbiology
- Anatomy



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of Excellence

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