Medical Interventions

8381 36 weeks

Acknowledgments

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Course Description

Suggested Grade Level: 11 or 12

Prerequisite: 8380

In this specialization course for Project Lead the Way (PLTW), students are taught concepts in fighting

infections, understanding genetics, and preventing, detecting, and treating cancer and organ failure.

Project Lead The Way (PLTW) curriculum guides and course competencies are only available to PLTW affiliated schools through agreement with PLTW. To obtain additional information contact: Project Lead The Way 3939 Priority Way South Drive, Suite 400 Indianapolis, IN 46240 Toll Free: 877.335.PLTW (7589) Local: 317.669.0200 https://www.pltw.org

Entrepreneurship Infusion Units

Entrepreneurship Infusion Units may be used to help students achieve additional, focused competencies and enhance the validated tasks/competencies related to identifying and starting a new business venture. Because the unit is a complement to certain designated courses and is not mandatory, all tasks/competencies are marked "optional."

Appendix: Credentials, Course Sequences, and Career Cluster Information

Industry Credentials: Only apply to 36-week courses

- College and Work Readiness Assessment (CWRA+)
- National Career Readiness Certificate Assessment
- Project Lead the Way End-of-Course Assessments
- Workplace Readiness Skills for the Commonwealth Examination

Concentration sequences: A combination of this course and those below, equivalent to two 36-week courses, is a concentration sequence. Students wishing to complete a specialization may take additional courses based on their career

pathways. A program completer is a student who has met the requirements for a CTE concentration sequence and all other requirements for high school graduation or an approved alternative education program.

- Biomedical Innovation (PLTW) (8382/36 weeks)
- Principles of the Biomedical Sciences (PLTW) (8379/36 weeks)

Pathway	Occupations	
Biotechnology Research and Development	Biochemist	
	Cell Biologist	
	Medical, Clinical Laboratory Technician	
	Research Assistant	
	Cardiovascular Technologist	
	Computer Tomography (CT) Technologist	
	Medical, Clinical Laboratory Technician	
Diagnostics Services	Medical, Clinical Laboratory Technologist	
Diagnostics Services	Nuclear Medicine Technologist	
	Phlebotomist	
	Radiologic Technologist, Radiographer	
	Radiologist	
Health Informatics	Bioinformatics Technician	
	Epidemiologist	
	Communications Equipment Operator	
Support Services	Environmental Sampling and Analysis Technician	
	Medical, Clinical Laboratory Technologist	
Therapeutic Services	Athletic Trainer	
	Audiologist	
	Certified Nurse Aide	
	Dental Assistant	
	Emergency Medical Technician, Paramedic	
	Exercise Physiologist	
	Home Health Aide	
	Licensed Practical Nurse	
	Massage Therapist	
	Medical Assistant	
	Occupational Therapist	
	Occupational Therapist Aide	
	Optician	
	Pharmacy Technician	
	Physical Therapist	
	Physical Therapist Assistant	
	Physician	
	Recreation Therapist	
	Registered Nurse	
	Surgical Technologist	
	Veterinary Assistant	
	Veterinary Technologist	

Career Cluster: Human Services		
Pathway	Occupations	
Counseling and Mental Health Services	Career Counselor Dietitian, Nutritionist Educational/School Counselor Marriage and Family Therapist Mental Health Counselor Nutritional Counselor Rehabilitation Counselor Social and Human Service Assistant Substance Abuse and Behavioral Disorder Counselor Volunteer Coordinator	

Career Cluster: Science, Technology, Engineering and Mathematics		
Pathway	Occupations	
Engineering and Technology	Biomedical Engineer	
Science and Mathematics	Animal Scientist Biologist Materials Scientist Microbiologists Toxicologist	