



**Project Lead The Way (PLTW) Biomedical Sciences Academy
2 year Program (Juniors & Seniors)**

**Block Scheduling: 2-85 minute classes per semester
4 classes/year or A/B Block**

Course	Hours
First Year	
PLTW Principles of Biomedical Science (8706)	120
Advanced Mathematics: Geometry (4520), Algebra II (4412), Trigonometry/Pre-Calculus (4750/4611), Pre-AP Calculus (4612)	120
Advanced Laboratory Science: Pre-AP Chemistry (5051), Pre-AP Physics (5211), AP Chemistry (5055), AP Physics B (5215), AP Biology (5035), AP Environmental (5121), Anatomy/Physiology (5333/5220)	120
PLTW Human Body Systems (8707)	120
Second Year	
PLTW Medical Interventions (8708)	120
Advanced Mathematics: Trigonometry/Pre-Calculus (4750/4611), Pre-AP Calculus (4612), AP Calculus AB (4615), AP Calculus BC (4616), AP Statistics (4760)	120
Advanced Science: Pre-AP Chemistry (5051), Pre-AP Physics (5211), AP Chemistry (5055), AP Physics B (5215), AP Biology (5035), AP Environmental (5121), Anatomy/Physiology (5333/5220)	120
PLTW Biomedical Innovations (8719)	120
Total—8 Courses	960

**Project Lead The Way (PLTW) Biomedical Sciences Academy
3 year Program (Sophomores, Juniors & Seniors)**

Course	Hours
First Year	
PLTW Principles of Biomedical Science (8706)	120
Advanced Mathematics: Geometry (4520), Algebra II (4412), Trigonometry/Pre-Calculus (4750/4611), Pre-AP Calculus (4612), AP Calculus AB (4615), AP Calculus BC (4616), AP Statistics (4760)	120
Advanced Science: Pre-AP Chemistry (5051), Pre-AP Physics (5211), AP Chemistry (5055), AP Physics B (5215), AP Biology (5035), AP Environmental (5121), Anatomy/Physiology (5333/5220)	120
Health Careers Course (8551) Or Advanced Science: Pre-AP Chemistry (5051), Pre-AP Physics (5211), AP Chemistry (5055), AP Physics B (5215), AP Biology (5035), AP Environmental (5121), Anatomy/Physiology (5333/5220)	120
Second Year	
PLTW Human Body Systems (8707)	120
Advanced Mathematics: Trigonometry/Pre-Calculus (4750/4611), Pre-AP Calculus (4612), AP Calculus AB (4615), AP Calculus BC (4616), AP Statistics (4760)	120
Advanced Science: Pre-AP Chemistry (5051), Pre-AP Physics (5211), AP Chemistry (5055), AP Physics B (5215), AP Biology (5035), AP Environmental (5121),	120

Anatomy/Physiology (5333/5220)	
PLTW Medical Interventions (8708) or Advanced Science: Pre-AP Chemistry (5051), Pre-AP Physics (5211), AP Chemistry (5055), AP Physics B (5215), AP Biology (5035), AP Environmental (5121), Anatomy/Physiology (5333/5220)	120
Third Year	
PLTW Medical Interventions (8708) or Advanced Science: Pre-AP Chemistry (5051), Pre-AP Physics (5211), AP Chemistry (5055), AP Physics B (5215), AP Biology (5035), AP Environmental (5121), Anatomy/Physiology (5333/5220)	120
Advanced Mathematics: Pre-AP Calculus (4612), AP Calculus AB (4615), AP Calculus BC (4616), AP Statistics (4760)	120
Advanced Science: Pre-AP Chemistry (5051), Pre-AP Physics (5211), AP Chemistry (5055), AP Physics B (5215), AP Biology (5035), AP Environmental (5121), Anatomy/Physiology (5333/5220) Microbiology (only in final year-no OHLAP credit) (5336)	120
PLTW Biomedical Innovations (8719)	120
Total—12 Courses	1440

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