

BIOSCIENCE

This Bioscience pathway plan serves as a guide to accompany students, parents, and teachers when planning a student's program/pathway of study to meet the needs and interests of the student's Individualized Learning Plan (ILP).

Education Cluster	Grade	English/ Language Arts (4 credits)	Math (4 credits)	Science (3 credits)	Social Studies (2 credits)	PE/Health (2 credits-0.5 credits per year)	Other	SAMPLE occupations related to this pathway
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Academic Graduation Requirements	9	English 9 English 9 H	Algebra I Geometry Geometry H	Physical Science Physical Science H	US History I US History I H	PE/Health 9	Language (Required for 4 yr. college)	Entry Level: -First Responder -Home Health Aide -Certified Nursing Assistant -Phlebotomist -Health Unit Coordinator -Lab Technician Technical Careers: -Medical Assistant -Physical Therapy Assistant -Dental Hygienist -Licensed Practical Nurse -Registered Nurse -Massage Therapist -X-ray technician Professional Careers: -Nurse Practitioner -Physical Therapist -Biomedical Engineer -Epidemiologist -Healthcare Administrator -Bioinformatics ... AND MORE! Explore careers and related salary in Naviance.
	10	English 10 English 10 H	Geometry-Basic Geometry Algebra II Algebra II H College Algebra (RWU)	Conceptual Chemistry Chemistry Chemistry H	US History II US History II H AP US History II	PE/Health 10	Language (Required for 4 yr. college)	
	11	English 11 English 11 H AP Language & Composition Recommended: SAT Prep: Critical reading & Writing	Intermediate Algebra Algebra II Finite Math Pre-Calculus H Statistics AP Statistics College Algebra (RWU) College Pre-Calculus (RWU)	Conceptual Biology Biology Biology H AP Chemistry AP Physics AP Biology	Western Civilization Western Civilization H AP Psychology AP European History AP US Government & Politics AP Macroeconomics	PE/Health 11	Language (Recommended for 4 yr. college)	
	12	English 12 English 12 H AP Language & Composition AP Literature & Composition AP Research	Dependent on chosen pathway/college requirement/student interest	Dependent on chosen pathway/college requirement/student interest	Dependent on chosen pathway/college requirement/student interest	PE/Health 12	Language (Recommended for 4 yr. college)	
CAREER AND TECHNICAL COURSE PROGRESSION					Work-based Learning	Certifications		
Program Coursework	9			Physical Science	All students will earn 80-hours of work-based learning through in school experiences.	Students are required obtain OSHA 10 Training. Coursework =6.0 required credits.	Students obtain additional off-campus WBL hours offered through RIDE and school coordinated events with guidance /college and career coordinator.	
	10	Biotechnology I (1.0 credit)		Chemistry				
	11	Biotechnology II Biomedical Science (11 th or 12 th grade) (1.0 credits each)	Algebra II (1.0 credit) (Required)	Biology				
	12	Biotechnology III and Biomedical Science (1.0)	Pre-Calculus (1.0 credit) (Required)	AP Science Course (Required, 1.0 credit)				