

Career Pathway Plan of Study: Architecture and Construction

Careers in designing, planning, managing, building and maintaining the built environment.

GRADE 9-12 SCOPE AND SEQUENCE PROGRESSION OF LEARNING

TIER 1		TIER 2		TIER 3	
Careers that you can enter with a high school diploma and relevant coursework.		Careers that require some formal training or education beyond high school. Examples would include community college, trade school, technical school, etc.		Careers that frequently require a four-year degree or more.	
Examples of Tier 1 Careers: Carpenter Assistant, Construction Laborer, Drywall/Ceiling Tile Installer, Roofer		Examples of Tier 2 Careers: Architectural/Civil Drafter, Block mason, Brick mason, Carpenter, Cement Mason, Civil Engineering Technician, Concrete Finisher, Construction Supervisor, Cost Estimator, Electrical Power Line Installer/Repairer, Electrician, Plumber, Pipefitter, Steamfitter, Construction Manager, Construction Equipment Operator, Heating, AC and Refrigeration Mechanic, Sheet Metal Worker, Structural Iron and Steel Worker		Examples of Tier 3 Careers: Architect, Civil Engineer, Interior Designer, Landscape Architect, Surveyor	
*For complete job descriptions and requirements, please visit O*NET Online (U.S. Department of Labor)					
TIER 1 FOUR-YEAR PLAN		TIER 2 FOUR-YEAR PLAN		TIER 3 FOUR-YEAR PLAN	
9 th Grade Core Classes	10 th Grade Core Classes	9 th Grade Core Classes	10 th Grade Core Classes	9 th Grade Core Classes	10 th Grade Core Classes
English 1	English 2	English 1	English 2	English 1	English 2
Freshman Writing	Math	Freshman Writing	Math	Freshman Writing	Math
Math	Biology or Chemistry	Math	Biology or Chemistry	Math	Biology or Chemistry
Physical Science or Biology	Civics (1/2 credit)	Physical Science or Biology	Civics (1/2 credit)	Physical Science or Biology	Civics (1/2 credit)
World Studies	Economics (1/2 credit)	World Studies	Economics (1/2 credit)	World Studies	Economics (1/2 credit)
Sport Education (1/2 credit)	Fit for Life or Personal Fitness (1/2 credit)	Sport Education (1/2 credit)	Fit for Life or Personal Fitness (1/2 credit)	Sport Education (1/2 credit)	Fit for Life or Personal Fitness (1/2 credit)
Art or ICT (½ credit)	Health 1 (1/2 credit)	Art or ICT (½ credit)	Health 1 (1/2 credit)	Art or ICT (½ credit)	Health 1 (1/2 credit)
	Art or ICT (½ credit)		Art or ICT (½ credit)	World Language	Art or ICT (½ credit)
					World Language
11 th Grade Core Classes	12 th Grade Core Classes	11 th Grade Core Classes	12 th Grade Core Classes	11 th Grade Core Classes	12 th Grade Core Classes
English 3	English 4 (or English Elective)	English 3	English 4 (or English Elective)	English 3	English 4 (or English Elective)
Math	Math Experience	Math	Math	Math	Math
US History		US History	Physics, Chemistry or Science Experience credit	US History	World Language
Science Experience credit		Physics, Chemistry or Science Experience credit		World Language	Physics, Chemistry or Science Experience credit

				Physics, Chemistry or Science Experience credit	
TIER 1 CAREER PATHWAY PLAN OF STUDY ELECTIVES		TIER 2 CAREER PATHWAY PLAN OF STUDY ELECTIVES		TIER 3 CAREER PATHWAY PLAN OF STUDY ELECTIVES	
*Construction Tech 1 & 2 (U) (H) *Electrical Technology 1 & 2 (U) (H) Electricity/Electronics Woodworking 1 Woodworking 2		*CADD 1 & 2 (U) (H) *Construction Tech 1 & 2 (U) (H) *Electrical Technology 1 & 2 (U) (H) Electricity/Electronics Interior Design Woodworking 1 Woodworking 2		*CADD 1 & 2 (H) *Engineering Design and Development Interior Design *Introduction to Engineering Design (H)	

*=CTE Program with Nashua Technology Center

Levels: NL-Non-leveled, F-Foundations, E-Extensions, H-Honors