

Riverview School District

Program of Study

Career Cluster Pathway: Design/Pre-Construction

This program of study should serve as a partner to our registration guide, and help learners clearly define their career and college readiness pathways. Courses listed within this program of study are recommended only, and should be individualized to meet each learner's education and career and college goals.

LEVEL	GRADE	English/ Language Arts (4.0 credits)	Social Studies (3.0 credits)	Math (3.0 credits)	Science (2.0 credits)	Visual or Performing Arts (1.0 credits)	Health/ Fitness (2.0 credits) Health = .5 PE = 1.5	World Language (2.0 credits)	Career & Technical or Occupational Education (1.5 credits)
SECONDARY GRADUATION REQUIREMENTS	Visit the OSPi website or Washington Student Achievement Council for more information on state graduation requirements. Note: Riverview School District offers a Personalized Pathway. See the Registration Guide and contact your school counselor.								
	7	Language Arts	Social Studies	Math or Algebra I	Science	Elective	PE	NA	7 th Tech/Engineering
	8	Language Arts	Washington State History	Math, Algebra I, Geometry	Science	Elective	PE	NA	8 th Tech/Engineering
	9	English 9 Honors English 9	None	Algebra I Algebra II Geometry	Physical Science Honors Physical Science Agriscience A and B	Recommend:	One Semester Health and One Semester Physical Ed	Elective or Spanish 1 French 1	IT Academy Manufact & Fab 1 Arch & Engr Design 1 Robotics, TSA, FFA
	10	English 10 Honors English 10	Required: Modern World History and Geography or Honors Modern World History and Geography	Geometry Algebra II Pre-Calculus Honors Pre-Calculus, AP Calculus	Agriscience A and B Biology Honors Biology		World Lang. Spanish 1 or 2 French 1 or 2	Arch & Engr Design 2 Manufact & Fabrication 2 Robotics, TSA, FFA	
	11	English 11 Honors English 11 AP Language and Composition	Required: US History and Government or AP US History Electives for 11th & 12th Grades: Law and Business Ethics 1 & 2, Economics, Global Issues, Psychology	Algebra II Pre-Calculus Honors Pre-Calculus, AP Calculus, AP Statistics, Accounting, Financial Planning, Business Math, AP Computer Science	Choose: Agriscience A and B, Animal Science 1 and 2, Horticulture 1 and 2, AP Biology, Anatomy and Physiology, Chemistry, AP Chemistry, Physics, AP Physics, AP Computer Science		2 Credits from Visual and Performing Arts Courses or Occ. Ed. Equivalent	One Semester of the following: Sports Medicine 1 and 2, Sports Medicine Lab, Advanced Health, Aerobic Fitness, Walk Fit, Strength and Conditioning, Team Sports	Arch & Engr Design 3 Manufact & Fabrication 3 Robotics, TSA, FFA
12	English 12 Honors English 12 AP Language and Composition	Required: Civics or AP US Gov. and Politics See Electives Available Above for 12th grade required .5 credit	Choose: Algebra II Pre-Calculus Honors Pre-Calculus, AP Calculus, AP Statistics, Accounting, Financial Planning, Business Math, AP Computer Science	Choose: Agriscience A and B, Animal Science 1 and 2, Horticulture 1 and 2, AP Biology, Anatomy and Physiology, Chemistry, AP Chemistry, Physics, AP Physics, AP Computer Science	World Lang. Spanish 2 French 2		Arch & Engr Design 4 Manufact & Fabrication 4 Worksite Learning in Construction Architecture Careers Robotics, TSA, FFA		

<p>Technical Certification (Instruction provided through certified training and/or testing centers)</p>	<p>Apprenticeship Opportunities (To learn more about Apprenticeship, visit Labor and Industries website.)</p>	<p>2-yr Degree or Certification (Find specific colleges at www.checkoutcollege.com)</p>	<p>4 –yr Degree or Adv Training (Find specific colleges at Washington Student Achievement Council)</p>	<p>Some Preparation • Surveying and Mapping Technician</p> <p>Medium Preparation</p>	<p>Considerable Preparation</p>
<p>Interior Design</p> <ul style="list-style-type: none"> • Art Institute of Seattle • Spokane Falls Community College <p>Survey Technology</p> <ul style="list-style-type: none"> • Bates Technical College • Renton Technical College 	<p>Follow these steps to learn about the specific apprenticeships available in this pathway:</p> <p>STEP 1: Link to Apprenticeship Registration and Tracking System</p> <p>STEP 2: Search by “Occupation” using key words below or the SOC code listed</p> <ul style="list-style-type: none"> • Electrical (17-3023) • Technical Engineer (17-1022) • Transportation Technician 2 (17-3022) <p>STEP 3: Click “View” and scroll down to find contact name and program standards for qualifications and how to apply</p>	<p>Building/Home/Construction Inspection/Inspector</p> <ul style="list-style-type: none"> • Bellingham Technical College • Edmonds Community College <p>Computer Aided Drafting Technology</p> <ul style="list-style-type: none"> • Clark College • Everett Community College • Grays Harbor College • Green River Community College • Lake Washington Technical College • Lake Washington Technical College • Olympic College • Shoreline Community College • South Puget Sound Community College <p>Construction Engineer/Tech</p> <ul style="list-style-type: none"> • Clark College • Edmonds Community College • Lower Columbia College • Spokane Community College <p>Construction Mgmt</p> <ul style="list-style-type: none"> • Edmonds Community College <p>Civil Drafting/Technology</p> <ul style="list-style-type: none"> • Lake Washington Technical College • Seattle Community College-North Campus • South Puget Sound Community College <p>Civil Engineering Technology</p> <ul style="list-style-type: none"> • Bates Technical College • Bellingham Technical College • Big Bend Community College • Centralia College • Renton Technical College • Shoreline Community College • Spokane Community College • Walla Walla College • Walla Walla Community College • Yakima Valley Community College <p>Drafting/Design Technology</p> <ul style="list-style-type: none"> • Everett Community College • Green River Community College • Highline Community • Olympic College • Renton Technical College • South Puget Sound Community College • Tacoma Community College • Yakima Valley Community College 	<p>Architecture</p> <ul style="list-style-type: none"> • Eastern Washington University • University of Washington-Seattle Campus • Washington State University <p>City/Urban, Community and Regional Planning</p> <ul style="list-style-type: none"> • Eastern Washington University • University of Washington <p>Construction/Building Tech./Technician</p> <ul style="list-style-type: none"> • Central Washington University • Washington State University <p>Electrical Engineering</p> <ul style="list-style-type: none"> • Washington State University • Central Washington University • City University • Columbia Basin College • Edmonds Community College <p>Interior Design</p> <ul style="list-style-type: none"> • Art Institute of Seattle • International Academy of Design and Technology • Washington State University • Washington State University <p>Architecture</p> <ul style="list-style-type: none"> • Washington State University <p>Drafting/Design Technology</p> <ul style="list-style-type: none"> • Everett Community College • Green River Community College • Highline Community College • Olympic College • Renton Technical College • South Puget Sound Community College • Yakima Valley Community College <p>Landscape Architecture</p> <ul style="list-style-type: none"> • University of Washington-Seattle Campus • Washington State University • Washington State University <p>Mechanical Engineering</p> <ul style="list-style-type: none"> • Gonzaga University • Saint Martin’s University • Seattle University • University of Washington-Seattle Campus • Washington State University 	<ul style="list-style-type: none"> • Green Building Water Systems Designer • Interior Designer • Mechanical Drafters • Surveyors 	<ul style="list-style-type: none"> • Architects* • Building Code Official • Building Designer • Civil Engineer • Code Official • Cost Estimators • CTE Teacher • Drafter • Electrical Engineer • Electronic Engineer • Environmental Designer • Environmental Engineer • Fire Prevention and Protection • Industrial Engineer • Landscape Architect • Materials Engineer • Mechanical Engineer • Planner/Designer • Regional and Urban • Safety Director • Specification Writer • Structural Engineer • Green Building Design and Engineering (Refrigeration, Lighting, HVAC, Electrical, Construction, Energy, and Structural) • Industrial Green Systems and Retrofit Designer <p>Extensive Preparation</p> <ul style="list-style-type: none"> • Residential Green Building and Retrofit Architect • Commercial Green Building and Retrofit Architect • Indoor and Outdoor Landscape Architect