

Riverview School District Program of Study

Career Cluster Pathway: Information Technology

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)
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.									
SECONDARY GRADUATION REQUIREMENTS	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: Photography 1-4 Video 1-4 2 Credits from Visual and Performing Arts Courses or Occ. Ed. Equivalent	One Semester Health and One Semester Physical Ed	Elective or Spanish 1 French 1	IT Academy Intro to Computer Programming FIRST Robotics or TSA
	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		One Semester of the following: Sports Medicine 1 and 2, Sports Medicine Lab, Advanced Health, Aerobic Fitness, Walk Fit, Strength and Conditioning, Team Sports	World Lang. Spanish 1 or 2 French 1 or 2	Intro to Computer Programming Game and App Development FIRST Robotics, FBLA or TSA
	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				Game and App Development AP Computer Science FIRST Robotics, FBLA or TSA WANIC at DigiPen CISCO Networking @ Newport HS
	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				Game and App Development AP Computer Science FIRST Robotics, FBLA or TSA WANIC at DigiPen CISCO Networking @ Newport HS

Technical Certification <i>(Instruction provided through certified training and/or testing centers)</i>	Apprenticeship Opportunities <i>(To learn more about Apprenticeship, visit Labor and Industries website.)</i>	2-yr Degree or Certification <i>(Find specific colleges at www.checkoutacollege.com)</i>	4 –yr Degree or Adv Training <i>(Find specific colleges at Washington Student Achievement Council)</i>	Some Preparation	Considerable Prep
<p><u>Communications Systems Installation and Repair Technology</u></p> <ul style="list-style-type: none"> Bates Technical College New Horizons Computer Learning Center Seattle Vocational Institute Skagit Valley College <p><u>Computer Operations and Technical Support</u></p> <ul style="list-style-type: none"> Interface Computer School <p><u>Computer Programming</u></p> <ul style="list-style-type: none"> City University <p><u>Computer Science</u></p> <ul style="list-style-type: none"> Heritage University <p><u>Computer Programming</u></p> <ul style="list-style-type: none"> Various technical and community colleges <p><u>Information Processing</u></p> <ul style="list-style-type: none"> Various technical and community colleges <p><u>Microsoft Certified Solution Developer.NET</u></p> <ul style="list-style-type: none"> Netdesk Corporation Strategy Computers Technical Training Center 	<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"> School Computer Technician I/II/III (15-1041) <p>STEP 3: Click "View" and scroll down to find contact name and program standards for qualifications and how to apply</p>	<p><u>Computer & Information Systems Security</u></p> <ul style="list-style-type: none"> Clover Park Technical College Edmonds Community College Green River Community College Highline Community College Spokane Falls Community College Whatcom Community College <p><u>Computer Programming</u></p> <ul style="list-style-type: none"> Various technical and community colleges <p><u>Information Processing</u></p> <ul style="list-style-type: none"> Various technical and community colleges <p><u>Data Warehousing and Administration</u></p> <ul style="list-style-type: none"> Bates Technical College Bellevue Community College Clark College Edmonds Community College Green River Community College Seattle Central Community College South Puget Sound Community College <p><u>Information Technology Desktop Support</u></p> <ul style="list-style-type: none"> ITT Technical Institute South Puget Sound Community College <p><u>Microcomputer Applications</u></p> <ul style="list-style-type: none"> Various technical and community colleges <p><u>Technical Support Services</u></p> <ul style="list-style-type: none"> Various technical and community colleges 	<p><u>Computer Engineering</u></p> <ul style="list-style-type: none"> Pacific Lutheran University Seattle Pacific University Seattle University University of Washington Washington State University <p><u>Computer Programming</u></p> <ul style="list-style-type: none"> City University <p><u>Computer & Information Sciences</u></p> <ul style="list-style-type: none"> Central Washington University City University DeVry University-Washington Eastern Washington University Gonzaga University Henry Cogswell College Heritage University ITT Technical Institute Pacific Lutheran University Saint Martin's University Seattle Pacific University Seattle University University of Phoenix-Seattle Campus University of Puget Sound University of Washington Walla Walla College Washington State University Western Washington University Whitworth College <p><u>Information Technology</u></p> <ul style="list-style-type: none"> University of Phoenix-Seattle Campus University of Washington City University <p><u>CTE Secondary Education Teacher</u></p> <ul style="list-style-type: none"> Education Degree in a CTE program area with 2000 hours of related work experience Industry Route Certificate requires 6000 hours of work experience in the field and completion of a state approved CTE Preparation Program along with passage of Basic Skills Math and English 	<p><u>Some Preparation</u></p> <ul style="list-style-type: none"> Call Center Support Representative Customer Service Representative <p><u>Medium Preparation</u></p> <ul style="list-style-type: none"> Applications Integrator Computer Operators Computer Support/Help Desk Specialists* Computer, Automated Teller, and Office Machine Repairers* Database Analyst Maintenance Technician 	<p><u>Considerable Prep</u></p> <ul style="list-style-type: none"> Computer Software Engineers, Systems Software* Computer Systems Analysts* CTE Teacher Database Administrators/System Designer* Network and Computer Systems Administrators* Testing Engineer Web Administrator <p><u>Extensive Preparation</u></p> <ul style="list-style-type: none"> Computer and Information Systems Managers