



FEDERAL WAY HIGH SCHOOL

CTE PROGRAMS OF STUDY



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FEDERAL WAY
PUBLIC SCHOOLS



Business and Marketing




CAREER CLUSTER	HIGH SCHOOL COURSE TITLE	EQUIVALENCY CREDIT/COLLEGE CREDIT/ INDUSTRY RECOGNIZED CREDENTIALS	CAREERS	POST-SECONDARY PROGRAMS & DEGREES
ARTS, A/V TECHNOLOGY AND COMMUNICATION	Publishing (Yearbook)		Accounting Administrative Assistant Advertising	TECHNICAL PROGRAMS IN BUSINESS, ADMINISTRATION, & MARKETING <i>Accounting:</i> Bates, Bellevue, Clover Park, Green River, Highline, Lake Washington, Pierce, Renton, South Seattle, Tacoma <i>Banking & Support Services:</i> Clover Park, Renton <i>Business Administration Management:</i> Bates, Bellevue, Highline, Pierce, Renton, Tacoma <i>Computer Tech:</i> Bates, Pierce <i>Human Resource Management:</i> Bellevue, Pierce, Tacoma <i>Marketing Management:</i> Bates, Bellevue, Clover Park, Green River, Highline, Pierce <i>Retail Management:</i> Bellevue, Clover Park, Highline <i>Office Management:</i> Bellevue, Clover Park, Pierce, Renton, Seattle Central, South Seattle
	INcubator Entrepreneurship	COLLEGE CREDIT Green River College • BUS 164 – Entrepreneurship and Small Business Management (5 credits)	Auditor Bill & Account Collector Brand Management Business Manager Certified Public Accountant Computer Equipment Repair Computer Network & Data Computer Programmer Computer Science Engineer Computer Support Specialist Computer Systems Analyst Computer Technician Controller Court Reporter Database Administrator Economist Entrepreneur Event Planner Funeral Director Game Designer Information Technology Specialist/Manager Insurance Agent International Business Inventory Manager Loan Officer Market Research Analyst Marketing Manager Media Buyer/Planner Office Manager Personnel Recruiter Public Relations Real Estate Appraiser Research Specialist Retail Sales Supervisor Sales Representative Small Business Owner Stock Broker Systems Administrator Tax Examiner Tax Preparer Underwriter Web Developer Wholesale & Retail Buyer	
BUSINESS, MANAGEMENT AND ADMINISTRATION	Personal Finance Math	EQUIVALENCY CREDIT: Math COLLEGE CREDIT Green River College • BAC 110 – Business Math Applications (5 credits) Highline College • BUSN 133 – Basic Money Management (5 credits) Renton Technical College • AMATH 175 – Applied Mathematics for Business and Industry (5 credits)		
	Computer Applications	COLLEGE CREDIT Green River College • BTAC 100 – Fundamentals of Computers (5 credits) • BTAC 111 – Introduction to Computer Literacy (5 credits) • BTAC 112 – Beginning Word (5 credit—earn one of the above) Renton Technical College • MAP 114 – Computer Fundamentals Office 365 (5 credits) INDUSTRY RECOGNIZED CREDENTIAL Microsoft Office Specialist (MOS) Fundamentals—various certs		
INFORMATION TECHNOLOGY	Introduction to Computer Science and Game Design	COLLEGE CREDIT Green River College • BTAC 184 – Internet and Basic Web Design (5 credits)		
	AP Computer Science Principles	EQUIVALENCY CREDIT: Math or Science COLLEGE CREDIT: AP		
	AP Computer Science A	COLLEGE CREDIT: AP		
	Web Design	COLLEGE CREDIT Green River College • BTAC 184 – Internet and Basic Web Design (5 credits) Highline College • VICOM 100 – Intro to Web Design (5 credits) Renton Technical College • CSI 140 – Front End Web Development (5 credits)		
	Business Law	COLLEGE CREDIT Highline College • BUS & 201 – Business Law (5 credits) Renton Technical College • BUS 900 – Business Elective (5 credits)		
LAW, PUBLIC SAFETY, CORRECTIONS AND SECURITY				
MARKETING	Introduction to Marketing	COLLEGE CREDIT Green River College • BUS 121 – Marketing Fundamentals (5 credits) Highline College • BUSN 138 – Principles of Marketing (5 credits) Renton Technical College • BUS 130 – Small Business Marketing (5 credits) INDUSTRY RECOGNIZED CREDENTIAL: Food Worker Card		
	Marketing Operations, Scholar Store	COLLEGE CREDIT Green River College • BUS 121 – Marketing Fundamentals (5 credits) Highline College • BUSN 175 – Retailing (5 credits) Renton Technical College • BUS 900 – Business Elective (5 credits) INDUSTRY RECOGNIZED CREDENTIAL: Food Worker Card		UNIVERSITY PROGRAMS <i>Business Administration:</i> EWU, CWU, WSU, UW, WWU <i>Information Technology: Design Tech:</i> EWU <i>IT & Information Management:</i> CWU <i>Digital Technology:</i> WSU <i>Information Systems and Operations Management:</i> UW <i>Additional programs may be available, please check individual colleges for more information.</i>

Family and Consumer Sciences

CAREER CLUSTER	HIGH SCHOOL COURSE TITLE	EQUIVALENCY CREDIT/COLLEGE CREDIT/ INDUSTRY RECOGNIZED CREDENTIALS	CAREERS	POST-SECONDARY PROGRAMS & DEGREES
EDUCATION AND TRAINING	ASL 1-4	EQUIVALENCY CREDIT: World Language COLLEGE CREDIT Spokane Falls College • ASL& 121 – American Sign Language I (5 credits)	Baker Banquet Chef Caterer Chef Child Care Worker Clergy College Professor Counselor Educational Administrator Employment Interviewer Executive Chef Facilities Management Food Service Manager Food Production Supervisor Government Executive & Legislative Librarian Library Technician Resort Manager Restaurant Manager Sign Language Interpreter Social Worker Teacher	TECHNICAL PROGRAMS IN EDUCATION <i>Early Childhood Ed & Teaching:</i> Bates, Bellevue, Clover Park, Green River, Highline, Pierce, Renton, Seattle Central <i>Prof-Tech Teaching:</i> Bates, Lake Washington <i>Teacher Aide:</i> Bates, Clover Park, Green River, Pierce, Tacoma <i>Sign Language Interpretation:</i> Seattle Central
	Teacher Academy	COLLEGE CREDIT Highline College • EDUC& 120 – Early Childhood Practicum (2 credits) • EDUC& 136 – School Age Care (3 credits) • EDUC& 202 – Intro to Education (5 credits) Renton Technical College • ECED& 105 – Intro to Early Childhood (5 credits)		TECHNICAL PROGRAMS IN PROJECT MANAGEMENT Highline College
HEALTH SCIENCE	Nutrition and Wellness	INDUSTRY RECOGNIZED CREDENTIAL Food Worker Card		TECHNICAL PROGRAMS IN CULINARY ARTS & HOSPITALITY <i>Baking & Pastry Arts:</i> Lake Washington, Renton, Seattle Central <i>Culinary Arts/Chef Training:</i> Bates, Clover Park, Lake Washington, Renton, Seattle Central, South Seattle
HOSPITALITY AND TOURISM	Culinary Arts Foundations	COLLEGE CREDIT Renton Technical College • CUL 103 – Knife Skills (3 credits) INDUSTRY RECOGNIZED CREDENTIAL Food Worker Card		UNIVERSITY PROGRAMS <i>CWU:</i> Psychology, Sociology, Family & Consumer Sciences, Education, Nutrition, Exercise, Health Science <i>UW:</i> Education, Psychology, Social Sciences, Sociology <i>WWU:</i> Education, Psychology <i>EWU:</i> Education, Psychology <i>WSU:</i> Hospitality Business Administration, Education
	ProStart 1	COLLEGE CREDIT Renton Technical College • CUL 105 – Culinary Foundations (3 credits) INDUSTRY RECOGNIZED CREDENTIAL Food Worker Card		<i>Additional programs may be available, please check individual colleges for more information.</i>
	ProStart 2	COLLEGE CREDIT Renton Technical College • CUL 110 – Culinary Foundations (3 credits) INDUSTRY RECOGNIZED CREDENTIAL • Food Worker Card • National Restaurant Assoc (NRA) ServSafe Certification		
HUMAN SERVICES	Child Development	COLLEGE CREDIT Highline College • EDUC& 115 – Child Development (5 credits) Renton Technical College • EDUC 115 – Child Development (5 credits) INDUSTRY RECOGNIZED CREDENTIAL Food Worker Card WA STARS (Child Care Basics)		



Health Sciences

CAREER CLUSTER	HIGH SCHOOL COURSE TITLE	EQUIVALENCY CREDIT/COLLEGE CREDIT/ INDUSTRY RECOGNIZED CREDENTIALS	CAREERS	POST-SECONDARY PROGRAMS & DEGREES	
HEALTH SCIENCE	Principles of Biomedical Science Year 1 	EQUIVALENCY CREDIT: Biology	Anesthesiologist Athletic Trainer Biochemist Bio-Tech Lab Technician Certified Nursing Assistant Chiropractor Clinical Medical Assistant Dental Assistant Dental Hygienist Dentist Dietician EMT/Paramedic Health Care Administration Home Health Aide Massage Therapist Medical Transcriptionist Nurse Practitioner Optometrist Pharmacist Pharmacy Technician Physical Therapist Physician Psychologist Registered Nurse Speech Pathologist Sports Trainer Surgeon Surgical Technician Ultrasound Technician	TECHNICAL PROGRAMS IN MEDICAL/HEALTH <i>Biological Lab Tech:</i> Bates <i>Dental Assistant:</i> Bates, Clover Park, Renton <i>Dental Hygienist:</i> Pierce, Renton <i>Dental Lab Tech:</i> Bates <i>Ultrasound Tech:</i> Bellevue, Tacoma <i>Emergency Med Tech:</i> Tacoma <i>Medical Records:</i> Highline, Tacoma <i>Ward Clerk:</i> Bellevue, Clover Park <i>Hemodialysis:</i> Clover Park <i>Central Service Tech:</i> Clover Park <i>Medical Insurance Coding:</i> Bates, Highline, Tacoma <i>Radiologic Tech:</i> Bellevue, Tacoma <i>Medical Transcription:</i> Bates, Highline, Tacoma <i>Medical Asst.:</i> Bellevue, Clover Park, Highline <i>Nursing Asst.:</i> Clover Park, Green River, Tacoma <i>Nursing-Associate Degree:</i> Bellevue, Clover Park, Highline, Renton, Tacoma, South Seattle <i>Nursing Practical:</i> Bates, Clover Park, Green River, Highline, Lake Washington, Pierce, Renton, South Seattle <i>Optician:</i> Seattle Central <i>Optometric Tech:</i> Renton <i>Sign Language Interpreter:</i> Seattle Central <i>Respiratory Therapy:</i> Highline, Seattle Central, Tacoma <i>Substance Abuse Counseling:</i> Bellevue, Clover Park, Seattle Central, Highline <i>Surgical Tech:</i> Clover Park, Seattle Central <i>Veterinarian Asst.:</i> Pierce <i>Forensic Tech:</i> Green River	
	Human Body Systems Year 2 <i>(not offered 2023–24SY)</i> 	EQUIVALENCY CREDIT: Lab Science COLLEGE CREDIT Renton Technical College • MEDA 108 – Anatomy and Physiology I (4 credits)			
	Physics of Medical Interventions Year 3 <i>(not offered 2023–24SY)</i> 	EQUIVALENCY CREDIT: Lab Science INDUSTRY RECOGNIZED CREDENTIAL Biotechnician Asst. Credentialing Exam (BACE) (Biotility)			
	Intro to Health Careers	COLLEGE CREDIT Highline College • Heal 102 – Introduction to Healthcare Professions (3 credits)			UNIVERSITY PROGRAMS <i>Nursing:</i> UW, EWU, WSU <i>Medicine:</i> UW <i>Veterinary Science:</i> WSU <i>Dietician:</i> CWU <i>Athletic Training:</i> EWU, Whitworth, WSU <i>Pharmaceutical Sciences:</i> WSU, UW <i>Physical Therapy:</i> EWU <i>Zoology:</i> UW, WWU, WSU <i>Biotechnology:</i> UW

Additional programs may be available, please check individual colleges for more information.



Skilled and Technical Sciences

CAREER CLUSTER	HIGH SCHOOL COURSE TITLE	EQUIVALENCY CREDIT/COLLEGE CREDIT/ INDUSTRY RECOGNIZED CREDENTIALS	CAREERS	POST-SECONDARY PROGRAMS & DEGREES
ARCHITECTURE & CONSTRUCTION	Pre-Apprenticeship Program	<p>COLLEGE CREDIT</p> <p>Green River College</p> <ul style="list-style-type: none"> CARP 113 – Foundations and Floor Framing (2 credits) <p>Renton Technical College</p> <ul style="list-style-type: none"> CONST 160 – Materials, Methods and Equipment (3 credits) CONST 250 – Project Safety and Accident Prevention (4 credits) <p>INDUSTRY RECOGNIZED CREDENTIAL</p> <ul style="list-style-type: none"> OSHA 10/30 Hr. General Industry Forklift Operator Certification WSDOT Flagger Certification 	Air Traffic Controller Airplane Pilot Animator Architect Art Director Art Therapist Artist Artistic Director Audio Systems Technician Audio-Visual Designer & Engineer Audio-Visual Specialist Automobile Mechanic Broadcast Technician Cabinet Maker Camera Operator Carpenter Cartoonist Cinematographer Civil Engineer Computer Animation Construction Foreman Construction & Building Inspector Construction Manager Correctional Officer Customs Agent Design Engineer Detective Drafter Drywall Installer Electrical Engineering Electrician Electronic Engineer Fashion Designer FBI Agent Film Making Fire Inspector General Contractor Graphic Designer Illustrator Industrial Engineer Interior Designer Machinist Mechanical Engineer Military Officer Military Service Painting Plumber Potter Prop Crafts Artisan Sculptor Set Designer Sheet Metal Worker Sign Painter Tattoo Artist Technical Computer Support Video Systems Technician Videographer & Special Effects Welding Technician	<p>TECHNICAL PROGRAMS IN ARTS, A/V TECHNOLOGY & COMMUNICATION</p> <p>Media, Communications & Design: Bates, Bellevue, Clover Park, Highline, Lake Washington, Seattle Central, Pierce</p> <p>Computer Graphics: Bellevue, Lake Washington, Pierce</p> <p>Photographic & Film/Video: Bellevue</p> <p>Animation: Lake Washington</p> <p>Commercial Photography/Commercial Advertising/Art: Seattle Central</p> <p>Radio/Television Broadcasting Tech: Bates</p>
ARTS, A/V TECHNOLOGY AND COMMUNICATION	Commercial Photography	<p>EQUIVALENCY CREDIT: Fine Arts</p> <p>COLLEGE CREDIT</p> <p>Highline College</p> <ul style="list-style-type: none"> VICOM 147 – Introduction to Digital Photography (5 credits) 		
	AP 2D Design Photography	<p>EQUIVALENCY CREDIT: Fine Arts</p> <p>COLLEGE CREDIT: AP</p>		
	Visual Communications 1–2	<p>EQUIVALENCY CREDIT: Fine Arts</p> <p>COLLEGE CREDIT*</p> <p>Highline College</p> <ul style="list-style-type: none"> VICOM 132 – Draw for Illustration (5 credits) 		
	AP Studio Art 2D	<p>EQUIVALENCY CREDIT: Fine Arts</p> <p>COLLEGE CREDIT: AP</p>		
	Graphic Design 1–2	<p>EQUIVALENCY CREDIT: Fine Arts</p> <p>COLLEGE CREDIT</p> <p>Highline College</p> <ul style="list-style-type: none"> VICOM 110 – Graphic Design I (5 credits—must complete both Graphic Design 1 and 2) 		
	AICE Graphic Design	<p>EQUIVALENCY CREDIT: Fine Arts</p> <p>COLLEGE CREDIT: CAMBRIDGE</p> <p>Highline College</p> <ul style="list-style-type: none"> VICOM 110 – Graphic Design I (5 credits) 		
	Technical Theater	<p>EQUIVALENCY CREDIT: Fine Arts</p> <p>INDUSTRY RECOGNIZED CREDENTIAL</p> <p>Backstage Exam</p>		
GOVERNMENT AND PUBLIC ADMINISTRATION	AFJROTC Drill & Ceremonies	<p>EQUIVALENCY CREDIT: PE</p> <p>INDUSTRY RECOGNIZED CREDENTIAL</p> <ul style="list-style-type: none"> AFJROTC Certificate of Training (2 years) AFJROTC Certificate of Completion (4 years) 		
	AFJROTC Exploring Space: The High Frontier	<p>EQUIVALENCY CREDIT: Social Studies</p> <p>INDUSTRY RECOGNIZED CREDENTIAL</p> <ul style="list-style-type: none"> AFJROTC Certificate of Training (2 years) AFJROTC Certificate of Completion (4 years) 		
	AFJROTC Global Awareness	<p>EQUIVALENCY CREDIT</p> <p>World History or Social Studies</p> <p>INDUSTRY RECOGNIZED CREDENTIAL</p> <ul style="list-style-type: none"> AFJROTC Certificate of Training (2 years) AFJROTC Certificate of Completion (4 years) 		
	AFJROTC Milestones in Aviation History	<p>EQUIVALENCY CREDIT: Social Studies</p> <p>INDUSTRY RECOGNIZED CREDENTIAL</p>		
	AFJROTC Management of Cadet Corps	<ul style="list-style-type: none"> AFJROTC Certificate of Training (2 years) AFJROTC Certificate of Completion (4 years) 		
	AFJROTC Science of Flight			
	AFJROTC Survival			

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STEM

CAREER CLUSTER	HIGH SCHOOL COURSE TITLE	EQUIVALENCY CREDIT/COLLEGE CREDIT/INDUSTRY RECOGNIZED CREDENTIALS	CAREERS	POST-SECONDARY PROGRAMS & DEGREES
SCIENCE, TECHNOLOGY, ENGINEERING AND MATHEMATICS	Introduction to Engineering Design	EQUIVALENCY CREDIT 3rd Math	Aeronautical Engineer Aircraft Mechanic Airplane Assembler	TECHNICAL SCHOOLS WITH STEM PROGRAMS <i>Engineering Technology:</i> Bates, Walla Walla <i>Computer Engineering:</i> DigiPen <hr/> UNIVERSITIES WITH STEM PROGRAMS <i>Civil Engineering:</i> St. Martin's, Gonzaga, Seattle U <i>Computer Engineering:</i> EWU, Seattle Pacific, WWU, Gonzaga, Seattle U <i>Electrical Engineering:</i> EWU, Seattle Pacific, WWU, Gonzaga, Seattle U <i>Manufacturing Engineering:</i> WWU <i>Mechanical Engineering:</i> EWU, Seattle Pacific, Gonzaga, Seattle U <i>Additional programs may be available, please check individual colleges for more information.</i>
	Principles of Engineering and Robotics	EQUIVALENCY CREDIT Lab Science	Architectural & Engineering Manager CAD Designer Civil Engineer Design Engineer Drafter	
	Aerospace Engineering	EQUIVALENCY CREDIT 3rd Math or Lab Science	Industrial/Mechanical Engineer Robotics Engineer Sustainability Specialist	

