



FEDERAL WAY HIGH SCHOOL

CTE PROGRAMS OF STUDY



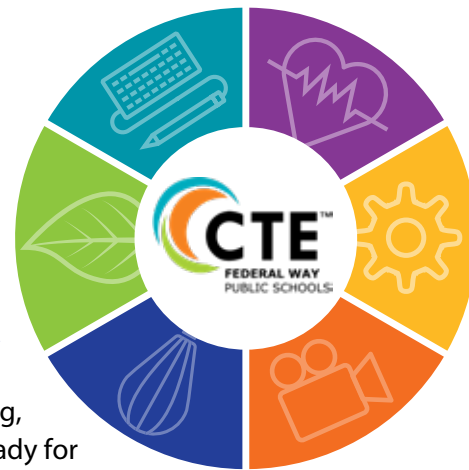
CTE™
CLASSROOM
TO CAREER
Your future is right here.



FEDERAL WAY
PUBLIC SCHOOLS



Career Planning through CTE course offerings



CTE is focused on providing students with skills, knowledge and other training to prepare them for a career.

Benefits of CTE include:

- Exploration of real career opportunities
- Development of career skills
- Work-based learning activities
- Industry Recognized Credentials and Certifications (IRCs)
- CTE college credit
- Leadership and extended learning through CTE clubs and student organizations
- High School equivalency credit
- Bridge to future education

Interested in what other FWPS high schools offer? Scan here to explore the CTE Programs of Study by high school



In Federal Way Public Schools, our scholars will successfully navigate the critical transitions in their schooling, and will graduate from high school ready for college, career, and post-secondary experiences.

This resource organizes the CTE courses offered at Federal Way High School, and can help you when it's time to register for courses. CTE courses are organized into 6 CTE Programs of Study that align to high-wage, in-demand and high-skill careers:

AGRICULTURAL EDUCATION*

BUSINESS AND MARKETING

FAMILY AND CONSUMER SCIENCES

Health Sciences

SKILLED AND TECHNICAL SCIENCES

SCIENCE, TECHNOLOGY, ENGINEERING AND MATH (STEM)

Answer the questions below to plan your career path using CTE Programs of Study and CTE courses offered. Answers can be found in the Program of Study charts included in this booklet.

- A career I'm interested in learning more about is *(see column 4 in the Program of Study charts)*

- This career falls under the _____
Program of Study *(see title above your selected Program of Study chart)*
- Possible CTE courses that align to this career are *(see column 2 in the Programs of Study charts)*

- Is the above course eligible for CTE college credit (dual credit)?
(see column 3 for College Credit information) Yes No
- Industry Recognized Credentials or Certifications (IRCs) are desirable to employers and can help me enter the workforce. Is there an IRC offered in this course?
(see column 3 for IRC information) Yes No
- What post-secondary programs are available under this Program of Study?
(see column 5 for Post-Secondary Programs & Degrees)

Talk to your high school counselor and/or high school college and career specialist as you continue to explore and plan for college, career, and post-secondary programs that best fit your individual needs, skills and interest.

* Program of Study only offered at Decatur High School




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)	EQUIVALENCY CREDIT: Fine Arts	Accounting Administrative Assistant Advertising Auditor Bill & Account Collector Brand Management Business Manager Certified Public Accountant Computer Equipment Repair Computer Network & Data Computer Programmer Computer Science Engineer	TECHNICAL PROGRAMS IN BUSINESS, ADMINISTRATION, & MARKETING Accounting: Bates, Bellevue, Clover Park, Green River, Highline, Lake Washington, Pierce, Renton, South Seattle, Tacoma Banking & Support Services: Renton Business Adm. Management: Bates, Bellevue, Highline, Pierce, Renton, Tacoma Computer Science: Bates, Pierce Human Resources Management: Bellevue, Pierce, Tacoma Marketing Management: Bates, Bellevue, Green River, Highline, Pierce Retail Management: Bellevue, Clover Park, Highline Office Management: 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) Highline College • BUSN 155 – Entrepreneurship (3 credits) Renton College • BUS 125 – Concept to Commercialization (5 credits)	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 • BATC 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) Highline College • BSTEC 105 – Intro to Computers & Windows (3 credits) Renton Technical College • IT 101 – Fundamentals Computing (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		UNIVERSITY PROGRAMS Business Administration: EWU, CWU, WSU, UW, WWU
	AP Computer Science A	EQUIVALENCY CREDIT: Math or Science COLLEGE CREDIT: AP		Information Technology: Design Tech: EWU
	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)		IT & Information Management: CWU Digital Technology: WSU Information Systems and Operations Management: UW
	Business Law	COLLEGE CREDIT: Green River College • BUS& 201 – Business Law and the Regulation of Business (5 credits) Highline College • BUS& 201 – Business Law (5 credits) Renton Technical College • BUS 900 – Business Elective (5 credits)		<i>Additional programs may be available, please check individual colleges for more information.</i>
LAW, PUBLIC SAFETY, CORRECTIONS AND SECURITY	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 900 – Business Elective (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) INDUSTRY RECOGNIZED CREDENTIAL: Food Worker Card		
MARKETING				

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 <hr/> 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: Green River College • EDUC& 136 – School-Age Care (3 credits) • EDUC& 205 – Introduction to Education with Field Experience (5 credits) 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 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
HEALTH SCIENCE	Nutrition and Wellness	INDUSTRY RECOGNIZED CREDENTIAL: Food Worker Card		UNIVERSITY PROGRAMS <i>CW:</i> Psychology, Sociology, Family & Consumer Sciences Education, Nutrition, Exercise, Health Science <i>EWU:</i> Education, Psychology <i>UW:</i> Education, Psychology, Social Sciences, Sociology <i>WSU:</i> Education, Hospitality Business Administration, Psychology <i>WWU:</i> Education, Psychology
HOSPITALITY AND TOURISM	Culinary Arts Foundations	COLLEGE CREDIT: Renton Technical College • CUL 103 – Knife Skills (3 credits)		
	ProStart 1	COLLEGE CREDIT: Renton Technical College • CUL 105 – Culinary Foundations (3 credits)		
	ProStart 2	COLLEGE CREDIT: Renton Technical College • CUL 110 – Fundamentals I (3 credits)		
HUMAN SERVICES	Child Development	COLLEGE CREDIT: Green River College • EDUC& 115 – Child Development (5 credits) Highline College • EDUC& 115 – Child Development (5 credits) Renton Technical College • EDUC 115 – Child Development (5 credits)		
	Family Psychology and Health	EQUIVALENCY CREDIT: Health <hr/> INDUSTRY RECOGNIZED CREDENTIAL: First Aid/CPR		<i>Additional programs may be available, please check individual colleges for more information.</i>

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	TECHNICAL PROGRAMS IN MEDICAL/HEALTH <i>Biological Lab Tech:</i> Bates <i>Central Service Tech:</i> Clover Park
	Human Body Systems Year 2 	EQUIVALENCY CREDIT: Lab Science	Bio-Tech Lab Technician Certified Nursing Assistant Chiropractor	<i>Dental Assistant:</i> Bates, Clover Park, Pierce, Lake Washington, Renton, Seattle Central <i>Dental Hygienist:</i> Bates, Clover Park, Pierce, Lake Washington, Renton, Seattle Central <i>Dental Lab Tech:</i> Bates
	Physics of Medical Interventions Year 3 	EQUIVALENCY CREDIT: Lab Science INDUSTRY RECOGNIZED CREDENTIAL: Biotechnician Asst. Credentialing Exam (BACE) (Biotility)	Clinical Medical Assistant Dental Assistant Dental Hygienist Dentist Dietician	<i>Emergency Med Tech:</i> Tacoma <i>Forensic Tech:</i> Green River <i>Health Unit Coord./Ward Clerk:</i> Bellevue, Clover Park <i>Hemodialysis:</i> Clover Park <i>Medical Assistant:</i> Bellevue, Clover Park, Highline <i>Medical Insurance Coding:</i> Bates, Highline, Tacoma <i>Medical Records/Health Info. Mgmt.:</i> Highline, Tacoma <i>Medical Transcription/Scribe:</i> Bates, Tacoma <i>Nursing Assistant:</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>Optometric Tech:</i> Renton
	Intro to Health Careers	COLLEGE CREDIT: Highline College • Heal 102 – Introduction to Healthcare Professions (3 credits)	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	<i>Radiologic Tech:</i> Bellevue, Tacoma <i>Respiratory Therapy:</i> Highline, Seattle Central, Tacoma <i>Sign Language Interpreter:</i> Seattle Central <i>Substance Abuse Counseling:</i> Bellevue, Clover Park, Seattle Central, Highline <i>Surgical Tech:</i> Clover Park, Seattle Central <i>Ultrasound Tech:</i> Bellevue, Tacoma <i>Veterinary Assistant:</i> Pierce
Biomedical Innovation	EQUIVALENCY CREDIT: Science		UNIVERSITY PROGRAMS <i>Animal Biology/Zoology:</i> UW, WWU, WSU <i>Athletic Training:</i> EWU, Whitworth, WSU <i>Biotechnology:</i> WSU, UW <i>Dietician:</i> CWU, WSU, UW <i>Medicine:</i> UW, WSU <i>Nursing:</i> UW, EWU, WSU <i>Pharmaceutical Sciences:</i> WSU, UW <i>Physical Therapy:</i> EWU, UPS, UW <i>Veterinary Science:</i> WSU <i>Additional programs may be available, please check individual colleges for more information.</i>	



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>EQUIVALENCY CREDIT: 3rd Math or Science</p> <p>COLLEGE CREDIT: Green River College • CARP 113 – Foundations and Floor Framing (2 credits)</p> <p>Renton Technical College • CONST 160 – Materials, Methods and Equipment (3 credits) • CONST 250 – Project Safety and Accident Prevention (4 credits)</p> <p>INDUSTRY RECOGNIZED CREDENTIAL: OSHA 10/30 Hr. General Industry Forklift Operator Certification WSDOT Flagger Certification</p>	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>Animation: Lake Washington Computer Graphics: Bellevue, Lake Washington, Pierce Commercial Photography/Commercial Advertising/Art: Seattle Central Media, Communications & Design: Bates, Bellevue, Clover Park, Highline, Lake Washington, Seattle Central, Pierce, Whitman Photographic & Film/Video: Bellevue, Central, Eastern, DigiPen, Lake Washington, Whitman, Seattle U Radio/Television Broadcasting Tech: Bates, South Seattle</p> <p>TECHNICAL PROGRAMS IN SKILLED & TECHNICAL SCIENCES</p> <p>Architectural Engineering/Drafting: Clover Park, Green River, Lake Washington, Renton, South Central Biomedical Tech: Bates, Clover Park Civil Engineering Tech/Civil Drafting: Bates, Clover Park, Renton Composites: Bellevue, Clover Park Computer Tech: Bates, Bellevue, Clover Park, Green River, Pierce Drafting/Design CAD/CADD: Clover Park, Green River, Highline, Lake Washington, Renton, North Seattle, South Seattle Electronic Engineering Tech: Bates Engineering Tech: Clover Park Fire Security Tech: Clover Park Industrial, Construction, & Manufacturing Programs: Bates, Clover Park, Green River, Lake Washington, Pierce, Renton, Seattle Central, South Seattle Information Technology Programs: Bates, Bellevue, Clover Park, Green River, Highline, Lake Washington, Pierce, Renton, Seattle Central, South Seattle Mechanical Tech/Drafting: Bates, Clover Park, Green River, Lake Washington, South Seattle Mechanics Programs: Bates, Bellevue, Clover Park, Green River, Highline, Lake Washington, Pierce, Renton, Seattle Central, South Seattle Occupational Safety: Pierce UNITED STATES MILITARY SERVICE Air Force, Army, Marines, Navy, Coast Guard <i>Additional programs may be available, please check individual colleges for more information.</i> </p>
ARTS, A/V TECHNOLOGY AND COMMUNICATION	Commercial Photography	<p>EQUIVALENCY CREDIT: Fine Arts</p> <p>COLLEGE CREDIT: Highline College • VICOM 147 – Introduction to Digital Photography (5 credits)</p>		
	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:* Highline College • VICOM 132 – Draw for Illustration (5 credits)</p>		
	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:* Highline College • VICOM 110 – Graphic Design I (5 credits)</p>		
	AICE Graphic Design	<p>EQUIVALENCY CREDIT: Fine Arts</p>		
	Technical Theater	<p>EQUIVALENCY CREDIT: Fine Arts</p> <p>INDUSTRY RECOGNIZED CREDENTIAL: Backstage Exam</p>		
GOVERNMENT AND PUBLIC ADMINISTRATION	AFJROTC Drill & Ceremonies	<p>EQUIVALENCY CREDIT: PE</p> <p>INDUSTRY RECOGNIZED CREDENTIAL: AFJROTC Certificate of Training (2 years) AFJROTC Certificate of Completion (4 years)</p>		
	AFJROTC Exploring Space: The High Frontier	<p>EQUIVALENCY CREDIT: Social Studies</p> <p>INDUSTRY RECOGNIZED CREDENTIAL: AFJROTC Certificate of Training (2 years) AFJROTC Certificate of Completion (4 years)</p>		
	AFJROTC Global Awareness	<p>EQUIVALENCY CREDIT: World History or Social Studies</p> <p>INDUSTRY RECOGNIZED CREDENTIAL: AFJROTC Certificate of Training (2 years) AFJROTC Certificate of Completion (4 years)</p>		
	AFJROTC Milestones in Aviation History	<p>EQUIVALENCY CREDIT: Social Studies</p> <p>INDUSTRY RECOGNIZED CREDENTIAL: AFJROTC Certificate of Training (2 years) AFJROTC Certificate of Completion (4 years)</p>		
	AFJROTC Management of Cadet Corps			
	AFJROTC Science of Flight			
	AFJROTC Survival			

* Must complete both 1 & 2.

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 COLLEGE CREDIT: Renton Technical College • DFT 113 – Introduction to Computer-Aided Design (5 credits)	Aeronautical Engineer Aircraft Mechanic Airplane Assembler Architectural & Engineering Manager CAD Designer Civil Engineer Design Engineer Drafter Industrial/Mechanical Engineer Robotics Engineer Sustainability Specialist	TECHNICAL SCHOOLS WITH STEM PROGRAMS <i>Engineering Technology:</i> Bates, Walla Walla <i>Computer Engineering:</i> DigiPen 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		
	Aerospace Engineering	EQUIVALENCY CREDIT: 3rd Math or Lab Science		
	Engineering Essentials	EQUIVALENCY CREDIT: Lab Science		
	Engineering Design & Development	EQUIVALENCY CREDIT: Science		



