



DECATUR HIGH SCHOOL

CTE PROGRAMS OF STUDY



CTE™
CLASSROOM
TO CAREER

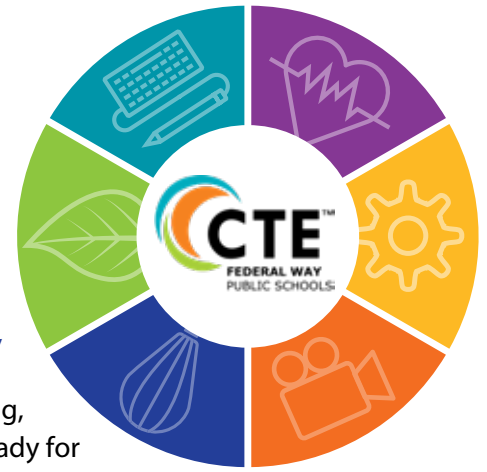
Your future is right here.



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 Decatur 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

Agricultural Education

CAREER CLUSTER	HIGH SCHOOL COURSE TITLE	EQUIVALENCY CREDIT/COLLEGE CREDIT/INDUSTRY RECOGNIZED CREDENTIALS	CAREERS	POST-SECONDARY PROGRAMS & DEGREES
AGRICULTURE, FOOD, AND NATURAL RESOURCES	Horticulture	EQUIVALENCY CREDIT: Science or Lab Science INDUSTRY RECOGNIZED CREDENTIAL: BASF Plant Science Certification	Agricultural & Food Scientist Agricultural Educator Animal Control Officer Animal Husbandry Arborist Conservation Scientist & Forester Ecologist Fish & Game Officer Florist	TECHNICAL PROGRAMS IN AGRICULTURE/NATURAL RESOURCES <i>Environmental Horticulture:</i> Lake Washington, South Seattle <i>Environmental Science:</i> Clover Park <i>Wine Production:</i> South Seattle <i>Urban Agriculture:</i> Highline UNIVERSITY PROGRAMS <i>Agriculture Sciences:</i> CWU, WSU, UW <i>Additional programs may be available, please check individual colleges for more information.</i>
	Animal Science	EQUIVALENCY CREDIT: Science or Lab Science INDUSTRY RECOGNIZED CREDENTIAL: Elanco Fundamentals of Animal Science Certification	Forest & Conservation Technician Forester & Range Manager Landscape Designer	
	Urban Agriculture	EQUIVALENCY CREDIT: Lab Science	Soil & Water Conservationist Water/Wastewater Treatment Plant & System Operator Wildlife & Environmental Biologist/Scientist	
	Agricultural Leadership			
CAREER CHOICES	College and Career Prep (<i>Applies to all programs of study</i>)			



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	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	Sustainability Specialist	
	Aerospace Engineering	EQUIVALENCY CREDIT: 3rd Math or Lab Science		
	Engineering Design & Development	EQUIVALENCY CREDIT: Science		
CAREER CHOICES	College and Career Prep (<i>Applies to all programs of study</i>)			

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	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 Technical College • BUS 125 – Concept to Commercialization (5 credits)	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 • BATC 110 – Business Math Applications (5 credits) Highline College • BUSN 133 – Basic Money Management (3 credits) Renton Technical College • AMATH 175 – Applied Mathematics for Business and Industry (5 credits)		
	Project Mgmt.			
	Computer Applications	COLLEGE CREDIT: Green River College (earn one of the below) • BTAC 100 – Fundamentals of Computers (5 credits) • BTAC 111 – Introduction to Computer Literacy (5 credits) • BTAC 112 – Beginning Word (5 credits) 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		
	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)		
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				
CAREER CHOICES	College and Career Prep (Applies to all programs of study)			

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

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	<p>EQUIVALENCY CREDIT: World Language</p> <p>COLLEGE CREDIT: Spokane Falls College • ASL& 121 – American Sign Language 1 (5 credits)</p>	<p>Baker</p> <p>Banquet Chef</p> <p>Caterer</p> <p>Chef</p> <p>Child Care Worker</p> <p>Clergy</p> <p>College Professor</p> <p>Counselor</p> <p>Educational Administrator</p> <p>Employment Interviewer</p> <p>Executive Chef</p> <p>Facilities Management</p> <p>Food Service Manager</p> <p>Food Production Supervisor</p> <p>Government Executive & Legislative</p> <p>Librarian</p> <p>Library Technician</p> <p>Resort Manager</p> <p>Restaurant Manager</p> <p>Sign Language Interpreter</p> <p>Social Worker</p> <p>Teacher</p>	<p>TECHNICAL PROGRAMS IN EDUCATION</p> <p>Early Childhood Ed & Teaching: Bates, Bellevue, Clover Park, Green River, Highline, Pierce, Renton, Seattle Central</p> <p>Prof-Tech Teaching: Bates, Lake Washington</p> <p>Teacher Aide: Bates, Clover Park, Green River, Pierce, Tacoma</p> <p>Sign Language Interpretation: Seattle Central</p> <p>TECHNICAL PROGRAMS IN PROJECT MANAGEMENT</p> <p>Highline College</p> <p>TECHNICAL PROGRAMS IN CULINARY ARTS & HOSPITALITY</p> <p>Baking & Pastry Arts: Lake Washington, Renton, Seattle Central</p> <p>Culinary Arts/Chef Training: Bates, Clover Park, Lake Washington, Renton, Seattle Central, South Seattle</p> <p>UNIVERSITY PROGRAMS</p> <p>CW: Psychology, Sociology, Family & Consumer Sciences Education, Nutrition, Exercise, Health Science</p> <p>EWU: Education, Psychology</p> <p>UW: Education, Psychology, Social Sciences, Sociology</p> <p>WSU: Education, Hospitality Business Administration, Psychology</p> <p>WWU: Education, Psychology</p> <p><i>Additional programs may be available, please check individual colleges for more information.</i></p>
	Teacher Academy	<p>COLLEGE CREDIT:</p> <p>Green River College</p> <ul style="list-style-type: none"> • EDUC& 136 – School-Age Care (3 credits) • EDUC& 205 – Introduction to Education with Field Experience (5 credits) <p>Highline College</p> <ul style="list-style-type: none"> • EDEC& 120 – Early Childhood Practicum (2 credits) • EDUC& 136 – School Age Care (3 credits) • EDUC& 202 – Intro to Education (5 credits) <p>Renton Technical College</p> <ul style="list-style-type: none"> • ECED& 105 – Intro to Early Childhood (5 credits) <p>INDUSTRY RECOGNIZED CREDENTIAL: WA STARS (Child Care Basics) Certification General Paraeducator</p>		
HEALTH SCIENCE	Nutrition and Wellness	<p>INDUSTRY RECOGNIZED CREDENTIAL: Food Worker Card</p>		
HOSPITALITY AND TOURISM	Culinary Arts Foundations	<p>COLLEGE CREDIT: Renton Technical College • CUL 103 – Knife Skills (3 credits)</p> <p>INDUSTRY RECOGNIZED CREDENTIAL: Food Worker Card</p>		
	ProStart 1	<p>COLLEGE CREDIT: Renton Technical College • CUL 105 – Culinary Foundations (3 credits)</p> <p>INDUSTRY RECOGNIZED CREDENTIAL: Food Worker Card</p>		
	ProStart 2	<p>COLLEGE CREDIT: Renton Technical College • CUL 110 – Fundamentals 1 (3 credits)</p> <p>INDUSTRY RECOGNIZED CREDENTIAL: Food Worker Card, National Restaurant</p>		
HUMAN SERVICES	Child Development	<p>COLLEGE CREDIT:</p> <p>Green River College</p> <ul style="list-style-type: none"> • EDUC& 115 – Child Development (5 credits) <p>Highline College</p> <ul style="list-style-type: none"> • EDUC& 115 – Child Development (5 credits) <p>Renton Technical College</p> <ul style="list-style-type: none"> • EDUC 115 – Child Development (5 credits) <p>INDUSTRY RECOGNIZED CREDENTIAL: Food Worker Card WA STARS (Child Care Basics)</p>		
	Family Psychology and Health	<p>EQUIVALENCY CREDIT: Health</p> <p>INDUSTRY RECOGNIZED CREDENTIAL: First Aid/CPR</p>		
CAREER CHOICES	College and Career Prep (Applies to all programs of study)			

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 Biological Lab Tech: Bates Central Service Tech: Clover Park
	Human Body Systems Year 2 	EQUIVALENCY CREDIT: Lab Science	Bio-Tech Lab Technician Certified Nursing Assistant Chiropractor	Dental Assistant: Bates, Clover Park, Pierce, Lake Washington, Renton, Seattle Central Dental Hygienist: Bates, Clover Park, Pierce, Lake Washington, Renton, Seattle Central Dental Lab Tech: 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	Emergency Med Tech: Tacoma Forensic Tech: Green River Health Unit Coord./Ward Clerk: Bellevue, Clover Park
	Biomedical Innovation Year 4 	EQUIVALENCY CREDIT: Science INDUSTRY RECOGNIZED CREDENTIAL: Biotechnician Asst. Credentialing Exam (BACE) (Biotility)	Dietician EMT/Paramedic Health Care Administration Home Health Aide Massage Therapist Medical Transcriptionist	Hemodialysis: Clover Park Medical Assistant: Bellevue, Clover Park, Highline Medical Insurance Coding: Bates, Highline, Tacoma Medical Records/Health Info. Mgmt.: Highline, Tacoma
	Intro to Health Careers	COLLEGE CREDIT: Highline College • Heal 102 – Introduction to Healthcare Professions (3 credits)	Medical Transcriptionist Nurse Practitioner Optometrist Pharmacist Pharmacy Technician Physical Therapist Physician Psychologist Registered Nurse Speech Pathologist Sports Trainer Surgeon Surgical Technician Ultrasound Technician	Medical Transcription/Scribe: Bates, Tacoma Nursing Assistant: Clover Park, Green River, Tacoma Nursing-Associate Degree: Bellevue, Clover Park, Highline, Renton, Tacoma, South Seattle Nursing Practical: Bates, Clover Park, Green River, Highline, Lake Washington, Pierce, Renton, South Seattle Optometric Tech: Renton Radiologic Tech: Bellevue, Tacoma Respiratory Therapy: Highline, Seattle Central, Tacoma Sign Language Interpreter: Seattle Central Substance Abuse Counseling: Bellevue, Clover Park, Seattle Central, Highline Surgical Tech: Clover Park, Seattle Central Ultrasound Tech: Bellevue, Tacoma Veterinary Assistant: Pierce
	Sports Med 1	EQUIVALENCY CREDIT: Lab Science		
	Sports Med 2	EQUIVALENCY CREDIT: Lab Science		
	Sports Med 3			
CAREER CHOICES	College and Career Prep (Applies to all programs of study)			



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
ARTS, A/V TECHNOLOGY AND COMMUNICATION	Commercial Photography	EQUIVALENCY CREDIT: Fine Arts COLLEGE CREDIT: Highline College • VICOM 147 – Introduction to Digital Photography (5 credits)	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	TECHNICAL PROGRAMS IN ARTS, A/V TECHNOLOGY & COMMUNICATION 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
	AP 2D Design Photography	EQUIVALENCY CREDIT: Fine Arts COLLEGE CREDIT: AP		
	Pottery 1–2	EQUIVALENCY CREDIT: Fine Arts		
	AP Studio Art 3D	EQUIVALENCY CREDIT: Fine Arts COLLEGE CREDIT: AP		
	Design & Applied Art 1–2	EQUIVALENCY CREDIT: Fine Arts COLLEGE CREDIT:* Highline College • VICOM 132 – Drawing for Illustration 1 (5 credits)		
	AP Studio Art 2D	EQUIVALENCY CREDIT: Fine Arts COLLEGE CREDIT: AP		
	Video Production 1–2	EQUIVALENCY CREDIT: Fine Arts COLLEGE CREDIT:* Highline College • MMD 130 – Multimedia for the Web (5 credits)		
	Video Prod. 3	EQUIVALENCY CREDIT: Fine Arts		
TRANSPORTATION DISTRIBUTION AND LOGISTICS	General Mechanics	COLLEGE CREDIT:** Green River College • ATECH 111 – Electrical and Electronics Systems (3 credits) • ATECH 112 – Engine Performance (2 credits) • ATECH 116 – Suspension and Steering (2 credits) • ATECH 117 – Brakes (2 credits) Renton Technical College • AUTC 101 – Safety/Environmental (2 credits) • AUTC 112 – Maintenance and Light Repair (7 credits)		
	Automotive Mechanics	INDUSTRY RECOGNIZED CREDENTIAL: • S/P2 Mechanical Safety • S/P2 Safety & Pollution CTE • ASE Entry-Level Automotive Certification		
	Heavy Diesel Mechanics	INDUSTRY RECOGNIZED CREDENTIAL: • S/P2 Mechanical Safety • S/P2 Safety & Pollution CTE • ASE Entry-Level Automotive Certification		
	Heavy Diesel Specialty	INDUSTRY RECOGNIZED CREDENTIAL: • S/P2 Mechanical Safety • S/P2 Safety & Pollution CTE • ASE Entry-Level Automotive Certification		
	Core Plus Automotive Fabrication			
CAREER CHOICES	College and Career Prep (Applies to all programs of study)			

* Must complete both 1 & 2. **Must complete all 3: General Mechanics, Automotive Mechanics, Heavy Diesel Mechanics.

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



The contents of this publication were developed with funds allocated by the U.S. Department of Education under the Carl D. Perkins Career and Technical Education Act.

