



DECATUR HIGH SCHOOL

CTE PROGRAMS OF STUDY



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CLASSROOM
TO CAREER

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FEDERAL WAY
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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 Forest & Conservation Technician Forester & Range Manager Landscape Designer Soil & Water Conservationist Water/Wastewater Treatment Plant & System Operator Wildlife & Environmental Biologist/Scientist	TECHNICAL PROGRAMS IN AGRICULTURE/NATURAL RESOURCES Horticulture: Lake Washington, South Seattle Landscaping: Clover Park Viticulture/Fermentation: Lake Washington, South Seattle Urban Agriculture: Highline University UNIVERSITY PROGRAMS Agriculture Sciences: 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 COLLEGE CREDIT Highline College • SUST 142 – Practicum (2 credits) INDUSTRY RECOGNIZED CREDENTIAL Elanco Fundamentals of Animal Science Certification		
	Urban Agriculture	EQUIVALENCY CREDIT: Lab Science COLLEGE CREDIT Highline College • SUST 142 – Practicum (2 credits)		
	Agricultural Leadership			
CAREER CHOICES	College and Career Prep (Applies to all programs of study)			



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 Engineering Technology: Bates, Walla Walla Computer Engineering: DigiPen
	Principles of Engineering and Robotics	EQUIVALENCY CREDIT: Lab Science	Architectural & Engineering Manager CAD Designer Civil Engineer Design Engineer Drafter Industrial/Mechanical Engineer Robotics Engineer Sustainability Specialist	UNIVERSITIES WITH STEM PROGRAMS Civil Engineering: St. Martin's, Gonzaga, Seattle U Computer Engineering: EWU, Seattle Pacific, WWU, Gonzaga, Seattle U Electrical Engineering: EWU, Seattle Pacific, WWU, Gonzaga, Seattle U Manufacturing Engineering: WWU Mechanical Engineering: EWU, Seattle Pacific, Gonzaga, Seattle U <i>Additional programs may be available, please check individual colleges for more information.</i>
	Aerospace Engineering	EQUIVALENCY CREDIT 3rd Math or Lab Science		
CAREER CHOICES	College and Career Prep (Applies to all programs of study)			

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 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	TECHNICAL PROGRAMS IN BUSINESS, ADMINISTRATION, & MARKETING Accounting: Bates, Bellevue, Clover Park, Green River, Highline, Lake Washington, Pierce, Renton, South Seattle, Tacoma Banking & Support Services: Clover Park, Renton Business Administration Management: Bates, Bellevue, Highline, Pierce, Renton, Tacoma Computer Tech: Bates, Pierce Human Resource Management: Bellevue, Pierce, Tacoma Marketing Management: Bates, Bellevue, Clover Park, 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)		
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)		
	Project Management			
	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 credits—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		
	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	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	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 Business Administration: EWU, CWU, WSU, UW, WWU Information Technology: Design Tech: EWU IT & Information Management: CWU Digital Technology: WSU Information Systems and Operations Management: UW <i>Additional programs may be available, please check individual colleges for more information.</i>
CAREER CHOICES	College and Career Prep (Applies to all programs of study)			

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 Early Childhood Ed & Teaching: Bates, Bellevue, Clover Park, Green River, Highline, Pierce, Renton, Seattle Central Prof-Tech Teaching: Bates, Lake Washington Teacher Aide: Bates, Clover Park, Green River, Pierce, Tacoma Sign Language Interpretation: 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) INDUSTRY RECOGNIZED CREDENTIAL WA STARS (Child Care Basics) Certification General Paraeducator		
HEALTH SCIENCE	Nutrition and Wellness	INDUSTRY RECOGNIZED CREDENTIAL Food Worker Card		
HOSPITALITY AND TOURISM	Culinary Arts Foundations	COLLEGE CREDIT Renton Technical College • CUL 103 – Knife Skills (3 credits) INDUSTRY RECOGNIZED CREDENTIAL Food Worker Card		
	ProStart 1	COLLEGE CREDIT Renton Technical College • CUL 105 – Culinary Foundations (3 credits) INDUSTRY RECOGNIZED CREDENTIAL Food Worker Card		
	ProStart 2	COLLEGE CREDIT Renton Technical College • CUL 110 – Culinary Foundations (3 credits) INDUSTRY RECOGNIZED CREDENTIAL Food Worker Card, National Restaurant		
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)		
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 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 	EQUIVALENCY CREDIT: Lab Science COLLEGE CREDIT Renton Technical College • MEDA 108 – Anatomy and Physiology I (4 credits)		
	Physics of Medical Interventions Year 3 	EQUIVALENCY CREDIT: Lab Science INDUSTRY RECOGNIZED CREDENTIAL Biotechnician Asst. Credentialing Exam (BACE) (Biotility)		
	Biomedical Innovation Year 4 	EQUIVALENCY CREDIT: 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)		
	Sports Med 1	EQUIVALENCY CREDIT: Lab Science COLLEGE CREDIT Renton Technical College • MAST 127 First Aid/CPR and Safety (2 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 <i>Additional programs may be available, please check individual colleges for more information.</i>

CAREER CHOICES

College and Career Prep (Applies to all programs of study)



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	TECHNICAL PROGRAMS IN ARTS, A/V TECHNOLOGY & COMMUNICATION Media, Communications & Design: Bates, Bellevue, Clover Park, Highline, Lake Washington, Seattle Central, Pierce Computer Graphics: Bellevue, Lake Washington, Pierce Photographic & Film/Video: Bellevue Animation: Lake Washington Commercial Photography/Commercial Advertising/Art: Seattle Central Radio/Television Broadcasting Tech: Bates
	AP 2D Design Photography	EQUIVALENCY CREDIT: Fine Arts COLLEGE CREDIT: AP	Artistic Director Audio Systems Technician Audio-Visual Designer & Engineer Audio-Visual Specialist Automobile Mechanic Broadcast Technician Cabinet Maker Camera Operator Carpenter	
	Pottery 1	EQUIVALENCY CREDIT: Fine Arts	Cartoonist Cinematographer Civil Engineer Computer Animation Construction Foreman Construction & Building Inspector Construction Manager	
	AP Studio Art 3D	EQUIVALENCY CREDIT: Fine Arts COLLEGE CREDIT: AP	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	
	Design & Applied Art 1–2	EQUIVALENCY CREDIT: Fine Arts COLLEGE CREDIT* Highline College • VICOM 132 – Drawing for Illustration (5 credits)	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 SKILLED & TECHNICAL SCIENCES Architectural Engineering/Drafting: Clover Park, Green River, Lake Washington Biomedical Tech: Bates Drafting/Design CAD/CADD: Green River, Highline, Lake Washington, Renton, South Seattle Civil Engineering Tech/Civil Drafting: Bates, Renton Composites: Clover Park Computer Tech: Bates, Pierce Electronic Engineering Tech: Bates Fire Security Tech: Clover Park Engineering Tech: Clover Park Mechanical Tech/Drafting: Bates, Clover Park, Green River, Lake Washington, South Seattle Occupational Safety: Pierce Industrial, Construction & Manufacturing Programs: Bates, Clover Park, Green River, Lake Washington, Pierce, Renton, Seattle Central, South Seattle Mechanics Programs: Bates, Clover Park, Green River, Lake Washington, Renton, South Seattle Information Technology Programs: Bates, Bellevue, Clover Park, Green River, Highline, Lake Washington, Pierce, Renton, Seattle Central, South Seattle 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>
	AP Studio Art 2D	EQUIVALENCY CREDIT: Fine Arts COLLEGE CREDIT: AP		
	Video Production 1–2	EQUIVALENCY CREDIT: Fine Arts COLLEGE CREDIT* Highline College • MMD 110 – Multimedia Production (5 credits)		
	Video Prod. 3	EQUIVALENCY CREDIT: Fine Arts		
TRANSPORTATION DISTRIBUTION AND LOGISTICS	Automotive Fundamentals	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) INDUSTRY RECOGNIZED CREDENTIAL • S/P2 Mechanical Safety • S/P2 Safety & Pollution CTE • ASE Entry-Level Automotive Certification		
	Automotive Technology	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) INDUSTRY RECOGNIZED CREDENTIAL • S/P2 Mechanical Safety • S/P2 Safety & Pollution CTE • ASE Entry-Level Automotive Certification		
	Automotive Advanced 1	INDUSTRY RECOGNIZED CREDENTIAL • S/P2 Mechanical Safety • S/P2 Safety & Pollution CTE • ASE Entry-Level Automotive Certification		
	Automotive Advanced 2	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) INDUSTRY RECOGNIZED CREDENTIAL • S/P2 Mechanical Safety • S/P2 Safety & Pollution CTE • ASE Entry-Level Automotive Certification		
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* Must complete both 1 & 2. **Must complete all 3: Automotive Fundamentals; Automotive Technology; Automotive Advanced 2.

