

ENGINEERING, MANUFACTURING, & TECHNOLOGY							
CLUSTER	COURSE NAME	DHS	FWHS	TJHS	TBHS	Federal Way Equivalency Credit	COLLEGE CREDIT *
ENGINEERING	Intro to Engineering Design	■	■	■	■	3rd Math	HC, GRC, RTC
	Principles of Engineering	■	■	■	■	3rd Math	
	Aerospace Engineering	■	■			3rd Math	
	Engineering Design & Development	■	■				
	Robotics—HS		■	■	■		
MANU-FACTURING	Composites Manufacturing 1–2				■		
	Intro to Advanced Manufacturing		■				
CONSTRUCTION & WOODWORKING	Woodworking		■	■			
	Cabinet Making & Millwork			■			
	Construction Foundations			■			
	Carpentry Essentials			■			
	Carpentry Specialist 1–2			■			
AUTOMOTIVE	Automotive Fundamentals	■					GR
	Automotive Technology	■					GR
	Automotive Advanced 1–2	■					GR
COMPUTER SCIENCE	Intro to Computer Science & Game Design	■	■	■	■		
	AP Computer Science Principles	■	■		■	Math or Science	AP, HC, GRC, RTC
	IB Computer Science SL, HL			■		Math or Science	IB, HC, GRC, RTC

CAREERS

- Aircraft Mechanics
- Airplane Assemblers
- Airplane Pilots
- Architect
- Automobile Mechanics
- Cabinet Makers
- CAD Designer
- Carpenters
- Civil Engineer
- Computer Equipment Repair
- Computer Network & Data
- Computer Programmers
- Computer Support Specialists
- Computer Systems Analysts
- Construction Foreman
- Construction & Building Inspectors
- Database Administrators
- Design Engineers
- Drafter
- Drywall Installer
- Electrical Engineering
- Electricians
- Electronic Engineer
- Engineer
- Environmental
- Fire Inspectors
- Game Designer
- General Contractor
- Industrial Engineer
- Machinists
- Mechanical Engineer
- Military Officer
- Plumber
- Sheet Metal Worker
- Systems Administrator
- Welding Technician

POST-SECONDARY PROGRAMS & DEGREES

TECHNICAL PROGRAMS: *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

UNIVERSITY PROGRAMS: *Engineering:* EWU, CWU, WSU, UW; *Machinery & Manufacturing Engineering Technology:* EWU, CWU, UW, WWU; *Construction:* EWU—Technology Construction, CWU—General Construction Mgmt. & Heavy Civil Construction Management, WSU—Construction Mgmt., UW—Construction Mgmt., WWU—Industrial Technology

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

*Colleges: HC = Highline College, GRC = Green River College, RTC = Renton Technical College, SCC = Seattle Central College
 FWPS Dual Credit Programs: AP = Advanced Placement, IB-TJ = International Baccalaureate at TJHS